

# *even·Spray*



## 2021 Catalogue

*Serving Our Customers Since 1976*

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## Some of the NEW Products in our 2021 catalogue...



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*Dosatron DI40 Fertilizer Injector*  
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## **Terms & Conditions**

### **Terms:**

- Net 30 Days on approved accounts. 2% interest per month charged on overdue accounts.

### **Credit Cards:**

- Gladly accepted at time of shipping or pick-up, however credit cards will not be accepted as payment on account. Non-swiped credit card transactions may be subject to a handling fee.

### **Minimum Invoice Charge \$20.00 NET.**

### **Prices:**

- Subject to change without notice.
- All items subject to GST, PST, and HST, where applicable.
- All prices are Freight On Board (F.O.B.) our warehouse.

### **Return Policy:**

- ALL Chemical sales are final – NO returns will be accepted.
- A RETURN GOODS AUTHORIZATION (RGA) number must accompany all other merchandise returns.
- Contact order desk (Ph. 204.237.9095, Fax 204.231.0710) to obtain RGA number.
- Information such as original invoice or sales order number will help expedite the return process.
- RGA items must be shipped freight PREPAID to Even-Spray and may be subject to a re-stocking fee.
- Goods should be in original packaging and in resalable condition.
- SPECIAL ORDER ITEMS CANNOT BE RETURNED FOR CREDIT.

### **Warranty:**

- Even-Spray & Chemicals will honour the original manufacturer's warranty.
- All products being shipped to Even-Spray & Chemicals for warranty assessment MUST be sent PREPAID to our Winnipeg warehouse. Products shipped collect to Even-Spray without prior approval will be refused.

### **Shipping:**

- Orders received by 1:00 PM Manitoba time will be shipped same day providing stock and freight carrier is available. Even-Spray will ship via the appropriate carrier prepaid and charge on invoices, unless specified otherwise by customer at time of order.

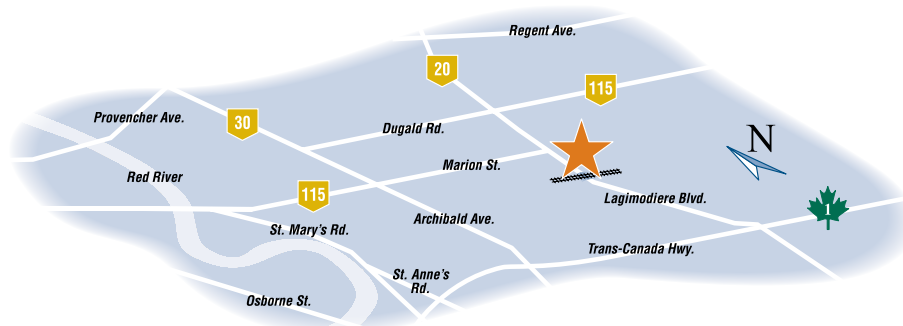
### **SHIPMENTS AND TRANSPORTATION OF COMMERCIAL, AGRICULTURAL, AND RESTRICTED CHEMICALS**

NOTE: Based on Federal regulations, all Commercial, Agricultural, and Restricted chemicals must only be shipped into another AWSA Certified site or DIRECTLY to an end user location. Such classified chemicals can only be sold to holders of valid Pesticide Applicator permits, businesses maintaining AWSA certified warehouses, or end-users authorized to purchase and apply such products.

### **Even-Spray & Chemicals Limited**

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# AIXR TeeJet® Air Induction XR Flat Spray Tips

## Features:




- 110° wide, tapered flat spray angle with air induction technology offers better drift management.
- Made of a two-piece UHMWPE polymer construction with VisiFlo® color-coding. UHMWPE provides excellent chemical resistance, including acids, as well as exceptional wear life.
- Compact size to prevent tip damage.
- Depending on the chemical, produces large air-filled drops through a Venturi air aspirator.
- Removable pre-orifice.
- Available in nine tip capacities with a wide operating pressure range: 15-90 PSI (1-6 bar).
- Automatic alignment with CP114440-\*CE cap. (Spray tip sizes 015 to 06).
- Automatic alignment with CP114442-\*CE cap. (Spray tip sizes 08 to 10).



PART	DESCRIPTION	PRICE (B)
TP110-**-AIXR	AIXR TeeJet Tip - sizes 015 to 06	10.55
TP110-**-AIXR	AIXR TeeJet Tip - sizes 08 and 10	12.35

EXAMPLE: TP110-03AIXR



		PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	 20°											
						GPA								GALLONS PER 1000 SQ. FT.			
						4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
TP110015AIXR (100)	15	XC	0.092	12	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4	0.31	0.21	0.16	0.13	
	20	XC	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.6	0.37	0.25	0.19	0.15	
	30	C	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.44	0.29	0.22	0.18	
	40	C	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23	
	50	M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24	
TP11002AIXR (50)	75	M	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29	
	90	M	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31	
	15	XC	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16	
	20	XC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19	
	30	VC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23	
TP110025AIXR (50)	40	C	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27	
	50	C	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30	
	60	C	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33	
	75	M	0.27	35	20	16.0	13.4	10.0	8.0	6.7	5.3	4.0	0.92	0.61	0.46	0.37	
	90	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41	
TP11003AIXR (50)	15	XC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20	
	20	XC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24	
	30	XC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30	
	40	VC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34	
	50	C	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38	
TP11004AIXR (50)	60	C	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42	
	75	C	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46	
	90	C	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52	
	15	XC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24	
	20	XC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29	
TP11005AIXR (50)	30	C	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35	
	40	VC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41	
	50	C	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46	
	60	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50	
	75	C	0.41	52	30	24	20	15.2	12.2	10.1	8.1	6.1	1.4	0.93	0.70	0.56	
TP11006AIXR (50)	90	C	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61	
	15	UC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33	
	20	XC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38	
	30	XC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.97	0.73	0.58	
	40	XC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54	
TP11007AIXR (50)	50	VC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61	
	60	VC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67	
	75	C	0.55	70	41	33	27	20	16.3	13.6	10.9	8.2	1.9	1.2	0.94	0.75	
	90	C	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82	
	15	UC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42	
TP11008AIXR (50)	20	XC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48	
	30	XC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58	
	40	XC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68	
	50	VC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76	
	60	VC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83	
TP11009AIXR (50)	75	C	0.68	87	50	40	34	25	20	16.8	13.5	10.1	2.3	1.5	1.2	0.92	
	90	C	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0	
	15	UC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50	
	20	XC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57	
	30	XC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71	
TP11010AIXR	40	XC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82	
	50	VC	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91	
	60	VC	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99	
	75	C	0.82	105	61	49	41	30	24	20	16.2	12.2	2.8	1.9	1.4	1.1	
	90	C	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2	
TP11008AIXR (50)	15	UC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67	
	20	UC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78	
	30	XC	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94	
	40	XC	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1	
	50	VC	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2	
TP11008AIXR (50)	60	VC	0.98	125	72	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3	
	75	VC	1.10	141	82	65	54	41	33	27	22	16.3	2.5	1.9	1.5		
	90	C	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6	
	15	UC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83	
	20	UC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97	
TP11010AIXR	30	UC	0.87	111	64	52	43	34	26	22	17.2	12.3	3.0	2.0	1.5	1.2	
	40	XC	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4	
	50	XC	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5	
	60	VC	1.22	156	91	72	60	45	36	30	24	18.1	4.2	2.8	2.1	1.7	
	75	VC	1.37	175	102	81	68	51	41	34	27	20	4.7	3.1	2.3	1.9	
TP11010AIXR	90	VC	1.50	192	111	89	72	55	43	36	29	21	5.3	3.4	2.5	2.0	

TeeJet®

## XR TeeJet®

## Features:

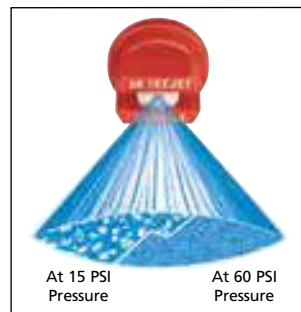
- Excellent spray distribution over a wide range of pressures—15–60 PSI.
- Ideal for rigs equipped with sprayer controllers.
- Reduces drift at lower pressures, better coverage at higher pressures.
- Automatic spray alignment with CP114440-CE Quick TeeJet® cap.
- Automatic spray alignment for sizes 10 and 15 with QJ25609\* Quick TeeJet cap.

## XR Visiflo 80°




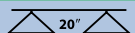
PART	DESCRIPTION	PRICE (B)
TP80-01XR	XR Tip SS 80°	<b>10.10</b>
TP80-02XR	XR Tip SS 80°	<b>10.10</b>
TP80-025XR	XR Tip SS 80°	<b>10.10</b>
TP80-03XR	XR Tip SS 80°	<b>10.10</b>
TP80-035XR	XR Tip SS 80°	<b>10.10</b>
TP80-04XR	XR Tip SS 80°	<b>10.10</b>
TP80-05XR	XR Tip SS 80°	<b>10.10</b>
TP80-06XR	XR Tip SS 80°	<b>10.10</b>
TP80-08XR	XR Tip SS 80°	<b>10.10</b>
TP80-10XRSS	XR Tip All SS 80°	<b>12.00</b>
TP80-15XRSS	XR Tip All SS 80°	<b>12.00</b>

## XR Visiflo 110°

PART	DESCRIPTION	PRICE (B)
TP110-025VK	XR Ceramic 110°	<b>7.80</b>
TP110-01XR	XR Tip SS 110°	<b>10.10</b>
TP110-015XR	XR Tip SS 110°	<b>10.10</b>
TP110-02XR	XR Tip SS 110°	<b>10.10</b>
TP110-03XR	XR Tip SS 110°	<b>10.10</b>
TP110-04XR	XR Tip SS 110°	<b>10.10</b>
TP110-05XR	XR Tip SS 110°	<b>10.10</b>
TP110-06XR	XR Tip SS 110°	<b>10.10</b>
TP110-08XR	XR Tip SS 110°	<b>10.10</b>
TP110-10XRSS	XR Tip All SS 110°	<b>12.00</b>
TP110-15XRSS	XR Tip All SS 110°	<b>12.00</b>

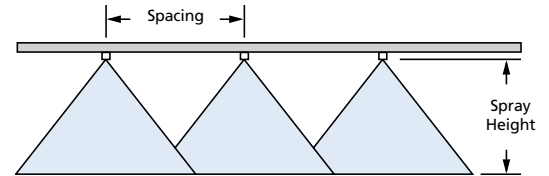





PLEASE NOTE: NEW SIZED XR SPRAY TIPS "TP80-025XR" AND "TP80-035XR" NOT SHOWN IN SPRAY TIP PERFORMANCE CHART BELOW. PLEASE CONTACT OUR OFFICE FOR ADDITIONAL INFORMATION.

 		PSI	DROP SIZE		CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	 20°															
			GPA										GALLONS PER 1000 SQ. FT.									
			80°	110°			4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH				
TP8001XR TP11001XR 100 M	15	M	F	0.061	7.8	4.5	3.6	3.0	2.3	1.8	1.5	1.2	0.91	0.21	0.14	0.10	0.08					
	20	F	F	0.071	9.1	5.3	4.2	3.5	2.6	2.1	1.8	1.4	1.1	0.24	0.16	0.12	0.10					
	30	F	F	0.087	11	6.5	5.2	4.3	3.2	2.6	2.2	1.7	1.3	0.30	0.20	0.15	0.12					
	40	F	F	0.10	13	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.34	0.23	0.17	0.14					
	50	F	VF	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15					
60	F	VF	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16						
TP80015XR TP110015XR 100 M	15	M	F	0.092	12	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4	0.31	0.21	0.16	0.13					
	20	M	F	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15					
	30	F	F	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18					
	40	F	F	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20					
	50	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23					
60	F	F	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24						
TP8002XR TP11002XR 50 M	15	M	M	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16					
	20	M	F	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19					
	30	M	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23					
	40	F	F	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27					
	50	F	F	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30					
60	F	F	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33						
TP110025VK 50 M	15	M	F	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20					
	20	M	F	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24					
	30	F	F	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30					
	40	F	F	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34					
	50	F	F	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38					
60	F	F	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42						
TP8003XR TP11003XR 50 M	15	M	M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24					
	20	M	M	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29					
	30	M	F	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35					
	40	M	F	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41					
	50	M	F	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46					
60	F	F	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50						
TP8004XR TP11004XR 50 M	15	C	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33					
	20	C	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	1.0	0.63	0.48	0.38					
	30	M	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48					
	40	M	M	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54					
	50	M	F	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61					
60	M	F	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67						
TP8005XR TP11005XR 50 M	15	C	M	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42					
	20	C	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48					
	30	C	M	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58					
	40	M	M	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68					
	50	M	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76					
60	M	F	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83						
TP8006XR TP11006XR 50 M	15	C	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50					
	20	C	C	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	1.0	0.71	0.57					
	30	C	M	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71					
	40	C	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82					
	50	C	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91					
60	C	M	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99						
TP8008XR TP11008XR 50 M	15	VC	C	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67					
	20	VC	C	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78					
	30	C	C	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94					
	40	C	C	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1					
	50	C	M	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2					
60	M	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3						
TP8010XRSS TP11010XRSS	15	XC	VC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83					
	20	VC	C	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97					
	30	C	C	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2					
	40	C	M	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4					
	50	C	M	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5					
60	C	M	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7						
TP8015XRSS TP11015XRSS	15	XC	VC	0.92	118	68	55	46	34	27	23	18.2	13.7	3.1	2.1	1.6	1.3					
	20	XC	VC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4					
	30	C	C	1.30	166	97	77	64	48	39	32	26	19.3	4.4	2.9	2.2	1.8					
	40	VC	C	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0					
	50	C	C	1.68	215	125	100	83	62	50	42	33	25	5.7	3.8	2.9	2.3					
60	C	C	1.84	236	137	109	91	68	55	46	36	27	6.3	4.2	3.1	2.5						

# TeeJet®

## VisiFlo® Flat Spray Tips



			PSI	DROP SIZE		CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	 20"															
				80°	100°			GPA								GALLONS PER 1000 SQ. FT.							
								4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH				
TP650050	30				0.043	5.5	3.2	2.6	2.1	1.6	1.3	1.1	0.85	0.64	0.15	0.10	0.07	0.06					
TP800050	35				0.047	6.0	3.5	2.8	2.3	1.7	1.4	1.2	0.93	0.70	0.16	0.11	0.08	0.06					
TP1100050	40				0.050	6.4	3.7	3.0	2.5	1.9	1.5	1.2	0.99	0.74	0.17	0.11	0.09	0.07					
(100)	50				0.056	7.2	4.2	3.3	2.8	2.1	1.7	1.4	1.1	0.83	0.19	0.13	0.10	0.08					
	60				0.061	7.8	4.5	3.6	3.0	2.3	1.8	1.5	1.2	0.91	0.21	0.14	0.10	0.08					
TP650067	30				0.058	7.4	4.3	3.4	2.9	2.2	1.7	1.4	1.1	0.86	0.20	0.13	0.10	0.08					
TP800067	35				0.063	8.1	4.7	3.7	3.1	2.3	1.9	1.6	1.2	0.94	0.21	0.14	0.11	0.09					
TP1100067	40				0.067	8.6	5.0	4.0	3.3	2.5	2.0	1.7	1.3	0.99	0.23	0.15	0.11	0.09					
(100)	50				0.075	9.6	5.6	4.5	3.7	2.8	2.2	1.9	1.5	1.1	0.26	0.17	0.13	0.10					
	60				0.082	10	6.1	4.9	4.1	3.0	2.4	2.0	1.6	1.2	0.28	0.19	0.14	0.11					
TP8001VS	30	F	F	F	0.087	11	6.5	5.2	4.3	3.2	2.6	2.2	1.7	1.3	0.30	0.20	0.15	0.12					
TP11001VS	35	F	F	F	0.094	12	7.0	5.6	4.7	3.5	2.8	2.3	1.9	1.4	0.32	0.21	0.16	0.13					
(100)	40	F	F	F	0.10	13	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.34	0.23	0.17	0.14					
	50	F	F	VF	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15					
TP80015VS	60	F	F	VF	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16					
TP80015VS	30	F	F	F	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18					
TP110015VS	35	F	F	F	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19					
(100)	40	F	F	F	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20					
	50	F	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23					
TP8002VS	60	F	F	F	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24					
TP8002VS	30	M	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23					
TP11002VS	35	M	F	F	0.19	24	14.1	11.3	9.4	7.1	5.6	4.7	3.8	2.8	0.65	0.43	0.32	0.26					
(50)	40	F	F	F	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27					
	50	F	F	F	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30					
TP8003VS	60	F	F	F	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33					
TP8003VS	30	M	F	F	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35					
TP11003VS	35	M	F	F	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38					
(50)	40	M	F	F	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41					
	50	M	F	F	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46					
TP11003VS	60	F	F	F	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50					
TP8004VS	30	M	M	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48					
TP11004VS	35	M	M	M	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50					
(50)	40	M	M	M	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54					
	50	M	F	F	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61					
TP8005VS	60	M	F	F	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67					
TP8005VS	30	C	M	M	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58					
TP11005VS	35	M	M	M	0.47	60	35	28	23	17.4	14.0	11.6	9.3	7.0	1.6	1.1	0.80	0.64					
(50)	40	M	M	M	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68					
	50	M	M	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76					
TP11005VS	60	M	F	F	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83					
TP8006VS	30	C	M	M	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71					
TP11006VS	35	C	M	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76					
(50)	40	C	M	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82					
	50	C	M	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91					
TP8008VS	60	C	M	M	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99					
TP8008VS	30	C	C	C	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94					
TP11008VS	35	C	C	C	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0					
(50)	40	C	C	C	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1					
	50	C	M	M	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2					
TP8010SS	60	C	M	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3					
TP8010SS	30	C	C	C	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2					
(100)	35	C	C	C	0.94	120	70	56	47	35	28	23	18.6	14.0	3.2	2.1	1.6	1.3					
	40	C	M	M	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4					
TP8015SS	50	C	M	M	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5					
TP8015SS	60	C	M	M	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7					
TP8015SS	30	VC	VC	VC	1.30	166	97	77	64	48	39	32	26	19.3	4.4	2.9	2.2	1.8					
(100)	35	VC	VC	VC	1.40	179	104	83	69	52	42	35	28	21	4.8	3.2	2.4	1.9					
	40	VC	VC	VC	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0					
TP8020SS	50	VC	VC	VC	1.68	215	125	100	83	62	50	42	33	25	5.7	3.8	2.9	2.3					
TP8020SS	60	VC	VC	VC	1.84	236	137	109	91	68	55	46	36	27	6.3	4.2	3.1	2.5					
TP8020SS	30				1.73	221	128	103	86	64	51	43	34	26	5.9	3.9	2.9	2.4					
(100)	35				1.87	239	139	111	93	69	56	46	37	28	6.4	4.2	3.2	2.5					
	40				2.00	256	149	119	99	74	59	50	40	30	6.8	4.5	3.4	2.7					
TP8020SS	50				2.24	287	166	133	111	83	67	55	44	33	7.6	5.1	3.8	3.0					
TP8020SS	60				2.45	314	182	146	121	91	73	61	49	36	8.3	5.6	4.2	3.3					

Very Fine Fine Medium Coarse Very Coarse Extremely Coarse

65°	35"
80°	30"
110°	20"



### Features

- Tapered edge flat spray pattern for uniform coverage in broadcast spraying.
- VisiFlo color-coded version available in stainless steel, ceramic and polymer in 80° or 110° spray angles in selected sizes.
- Available in ceramic 80° capacities 01-03 and 110° capacities 01-02.
- Automatic spray alignment with CP114440\*-CE\* cap.
- Automatic spray alignment for sizes 10 thru 20 with QJ25609\* cap.

PART	DESCRIPTION	PRICE (B)
TP80**VS	VisiFlo Tip 80°	9.05





# Turbo TwinJet® Twin Flat Spray Tips

Twin style flat spray tips are best suited for broadcast spraying where superior leaf coverage and canopy penetration is important. Whether applying fungicides, insecticides, or contact herbicides, twin flat spray tips are an excellent choice.

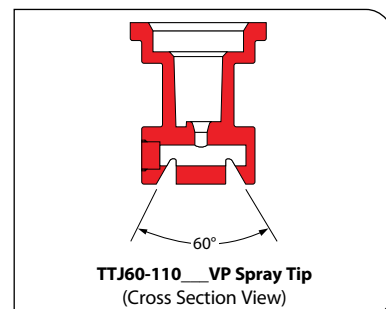
## Features

- Dual outlet design produces two 110° flat fan spray patterns using the patented technology from the Turbo TeeJet nozzle. The angle between each spray pattern is 60° forward and backward.
- Best suited for broadcast spraying where superior leaf coverage and canopy penetration is important.
- Droplet size range is slightly larger than for the same capacity of Turbo TeeJet nozzle providing drift-reducing properties with increased coverage and penetration.
- Molded polymer for excellent chemical and wear resistance.
- Available in eight VisiFlo® colour-coded capacities with pressure ranges between 20 – 90 PSI.
- Ideal for use with automatic sprayer controllers.
- Automatic spray alignment with CP114440-\*.CE.

PART	DESCRIPTION	PRICE (B)
TP110-**TTJ60	Turbo TwinJet Spray Tip	11.40

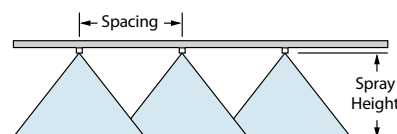


	PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	GPA										GALLONS PER 1000 SQ. FT.			
					20"													
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH		
02 YELLOW (100)	20	C	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19		
	30	C	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23		
	40	M	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27		
	50	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30		
	60	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33		
025 VIOLET (100)	70	M	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35		
	80	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38		
	90	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41		
	20	VC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24		
	30	C	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30		
03 BLUE (100)	40	C	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34		
	50	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38		
	60	M	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42		
	70	M	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45		
	80	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48		
04 RED (50)	90	M	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52		
	20	VC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29		
	30	C	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35		
	40	C	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41		
	50	M	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46		
05 BROWN (50)	60	M	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50		
	70	M	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54		
	80	M	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57		
	90	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61		
	20	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38		
06 GRAY (50)	30	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48		
	40	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54		
	50	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61		
	60	M	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67		
	70	M	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72		
08 WHITE (50)	80	M	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78		
	90	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82		
	20	VC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48		
	30	C	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58		
	40	C	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68		
10 LIGHT BLUE	50	C	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76		
	60	M	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83		
	70	M	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90		
	80	M	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97		
	90	M	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0		
025 VIOLET (100)	20	VC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57		
	30	C	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71		
	40	C	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82		
	50	C	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91		
	60	M	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99		
03 BLUE (100)	70	M	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1		
	80	M	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2		
	90	M	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2		
	20	VC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78		
	30	C	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94		
04 RED (50)	40	C	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.09		
	50	C	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2		
	60	C	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3		
	70	C	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4		
	80	M	1.13	145	84	67	56	42	34	28	24	16.8	3.8	2.6	1.9	1.5		
05 BROWN (50)	90	M	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6		
	20	XC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97		
	30	C	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2		
	40	VC	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4		
	50	VC	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5		
06 GRAY (50)	60	C	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7		
	70	C	1.32	169	98	78	65	49	39	33	26	19.6	4.5	3.0	2.2	1.8		
	80	C	1.41	180	105	84	70	52	42	35	28	21	4.8	3.2	2.4	1.9		
	90	C	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0		



CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
EXCELLENT	EXCELLENT	VERY GOOD
VERY GOOD*	EXCELLENT*	EXCELLENT*

\*At pressures below 30 PSI (2.0 bar)



## Optimum Spray Height

110°	20"



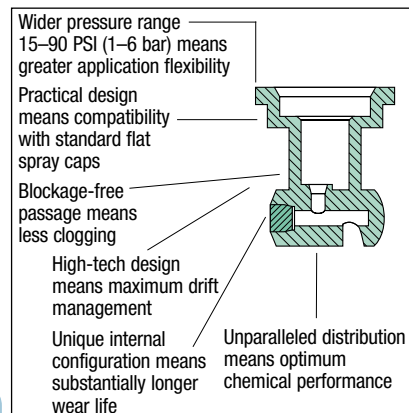
# Turbo TeeJet®



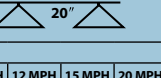
## Turbo TeeJet Wide Angle Flat Spray Tips

- Tapered edge wide angle flat spray pattern for uniform coverage in broadcast spraying.
- Large, rounded internal passage to minimize clogging.
- Excellent resistance to corrosive solutions
- Superior wear characteristics.
- Larger droplets for less drift – 15-90 PSI.
- Automatic spray alignment for tip sizes 01 to 08, use CP114440-\*CE cap. For spray tip sizes 10 and 12, use CP114501-\*CE.

## TeeJet Turbo Tips

PART	DESCRIPTION	PRICE (B)
TP110-01TTVP	Turbo Tip – Orange	9.50
TP110-015TTVP	Turbo Tip – Green	9.50
TP110-02TTVP	Turbo Tip – Yellow	9.50
TP110-025TTVP	Turbo Tip – Violet	9.50
TP110-03TTVP	Turbo Tip – Blue	9.50
TP110-04TTVP	Turbo Tip – Red	9.50
TP110-05TTVP	Turbo Tip – Brown	9.50
TP110-06TTVP	Turbo Tip – Grey	9.50
TP110-08TTVP	Turbo Tip – White	9.50
TP110-10TTVP	Turbo Tip – Light Blue	11.40
TP110-12TTVP	Turbo Tip – Telemagenta	11.40



		PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.																
						GPA								GALLONS PER 1000 SQ. FT.							
						4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH				
TP11001TTVP 100 M	15	C	0.061	7.8	4.5	3.6	3.0	2.3	1.8	1.5	1.2	0.91	0.21	0.14	0.10	0.08					
	20	C	0.071	9.1	5.3	4.2	3.5	2.6	2.1	1.8	1.4	1.1	0.24	0.16	0.12	0.10					
	30	M	0.087	11	6.5	5.2	4.3	3.2	2.6	2.2	1.7	1.3	0.30	0.20	0.15	0.12					
	40	M	0.10	13	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.34	0.23	0.17	0.14					
	50	M	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15					
	60	F	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16					
TP110015TTVP 100 M	75	F	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19					
	90	F	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20					
	15	VC	0.092	12	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4	0.31	0.21	0.16	0.13					
	20	C	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15					
	30	M	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18					
	40	M	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20					
TP11002TTVP 50 M	50	M	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23					
	60	F	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24					
	75	F	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29					
	90	F	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31					
	15	VC	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16					
	20	VC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19					
TP110025TTVP 50 M	30	C	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23					
	40	M	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27					
	50	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30					
	60	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33					
	75	F	0.27	35	20	16.0	13.4	10.0	8.0	6.7	5.3	4.0	0.92	0.61	0.46	0.37					
	90	F	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41					
TP110025TTVP 50 M	15	VC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20					
	20	VC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24					
	30	C	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30					
	40	M	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34					
	50	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38					
	60	M	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42					
TP11003TTVP 50 M	75	F	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46					
	90	F	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52					
	15	VC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24					
	20	VC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29					
	30	C	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35					
	40	C	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41					
TP11004TTVP 50 M	50	M	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46					
	60	M	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50					
	75	M	0.41	52	30	24	20	15.2	12.2	10.1	8.1	6.1	1.4	0.93	0.70	0.56					
	90	F	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61					
	15	XC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33					
	20	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38					
TP11004TTVP 50 M	30	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48					
	40	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54					
	50	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61					
	60	M	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67					
	75	M	0.55	70	41	33	27	20	16.3	13.6	10.9	8.2	1.9	1.2	0.94	0.75					
	90	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82					
TP11005TTVP 50 M	15	XC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42					
	20	VC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48					
	30	VC	0.43	55	32	26	21	16.6	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58					
	40	C	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68					
	50	C	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76					
	60	M	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83					
TP11005TTVP 50 M	75	M	0.68	87	50	40	34	25	20	16.8	13.5	10.1	2.3	1.5	1.2	0.92					
	90	M	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0					
	15	XC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50					
	20	VC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57					
	30	VC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71					
	40	VC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82					
TP11006TTVP 50 M	50	C	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91					
	60	C	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99					
	75	C	0.82	105	61	49	41	30	24	20	16.2	12.2	2.8	1.9	1.4	1.1					
	90	M	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2					
	15	XC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67					
	20	VC	0.54	72	42	33	28	21	16.3	13.9	11.1	8.3	1.9	1.3	0.95	0.76					
TP11008TTVP 50 M	30	VC	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94					
	40	C	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1					
	50	C	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2					
	60	C	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3					
	75	M	1.10	141	82	65	54	41	33	27	22	16.3	3.7	2.5	1.9	1.5					
	90	M	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6					
TP11010TTVP 50 M	15	XC	0.67	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83					
	20	VC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97					
	30	VC	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2					
	40	VC	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4					
	50	C	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5					
	60	C	1.22	156	91	72	60	45	36	30	24	18.1	4.2	2.8	2.1	1.7					
TP11012TTVP 50 M	75	C	1.37	175	102	81	68	51	41	34	27	20	4.6	3.1	2.3	1.87					
	90	M	1.50	192	111	89	74	59	43	37	30	25	5.2	3.4	2.6	2.1					
	15	XC	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99					
	20	VC	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.5	1.2					
	30	VC	1.04	133	77	62	51	39	31	26	21	15.4	3.5	2.4	1.8	1.4					
	40	C	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6					
TP11012TTVP 50 M	50	C	1.34	172	99	80	66	50	40	33	27	19.9	4.6	3.0	2.3	1.8					
	60	C	1.47	188	109	87	73	55	44	36	29	22	5.0	3.3	2.5	2.0					
	75	M	1.64	210	122	97	81	61	49	41	32	24	6.1	3.6	2.8	2.2					
	90	M	1.80	230	134	107	89	67	53	45	36	27	6.1	4.1	3.1	2.5					






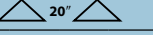
# Air Induction Turbo TwinJet® Twin Flat Spray Tips

Air Induction Twin style flat spray tips are suited for broadcast spraying when leaf coverage and canopy penetration are desired, but drift management is important. Excellent for applying systemic fungicides and insecticides, or post-emergent herbicides, Air Induction twin flat spray tips are the right choice. TeeJet Air Induction Turbo TwinJet flat spray tips features include:

- Air induction with dual 110° flat fan spray pattern.
- 60° angle between leading and trailing spray pattern.
- Good leaf coverage and canopy penetration and best drift control.
- Excellent drift control with coarse to very coarse droplets.
- Available in nine VisiFlo® colour-coded capacities with pressure ranges from 20 – 90 PSI.
- Automatic spray alignment with CP114442-CE\* cap for 02 to 06 tip sizes only. For spray tip sizes 08, 10, and 15, use CP114501-CE cap.

PART	DESCRIPTION	PRICE (B)
TP110**AITTJ60	AITTJ Spray Tip – sizes 02 to 08	11.85
TP110**AITTJ60	AITTJ Spray Tip – sizes 10 & 15	13.65



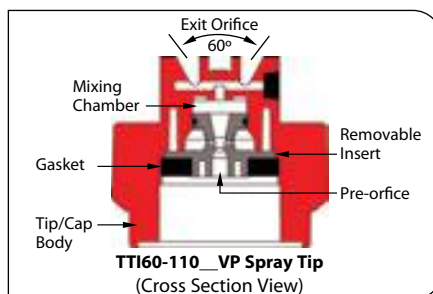
	 		DROPS SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE OZ./MIN.	 20°															
						GPA								GALLONS PER 1000 SQ. FT.							
						4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH				
02 YELLOW (100)	20	XC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19					
	30	VC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23					
	40	VC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27					
	50	C	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30					
	60	C	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33					
	70	C	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35					
025 VIOLET (100)	80	C	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38					
	90	C	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41					
	20	XC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24					
	30	VC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30					
	40	VC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34					
	50	C	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38					
03 BLUE (100)	60	C	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42					
	70	C	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45					
	80	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48					
	90	C	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52					
	20	XC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29					
	30	VC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35					
04 RED (50)	40	VC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41					
	50	C	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46					
	60	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50					
	70	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54					
	80	C	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57					
	90	C	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61					
05 BROWN (50)	20	XC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38					
	30	VC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48					
	40	VC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54					
	50	C	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61					
	60	C	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67					
	70	C	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72					
	80	C	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78					
	90	C	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82					
	20	XC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48					
06 GRAY (50)	30	VC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58					
	40	VC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68					
	50	VC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76					
	60	VC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83					
	70	C	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90					
	80	C	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97					
	90	C	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0					
	20	XC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57					
	30	VC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71					
08 WHITE (50)	40	VC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82					
	50	VC	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91					
	60	VC	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99					
	70	C	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1					
	80	C	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2					
	90	C	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2					
	20	XC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78					
	30	VC	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94					
	40	VC	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.09					
10 LIGHT BLUE (50)	50	VC	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2					
	60	VC	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3					
	70	VC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4					
	80	VC	1.13	145	84	67	56	42	34	28	22	16.8	3.8	2.6	1.9	1.5					
	90	C	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6					
	20	XC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97					
	30	VC	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2					
	40	VC	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4					
	50	VC	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5					
15 GREEN (50)	60	VC	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7					
	70	VC	1.32	169	98	78	65	49	39	33	26	19.6	4.5	3.0	2.2	1.8					
	80	VC	1.41	180	105	84	70	52	42	35	28	21	4.8	3.2	2.4	1.9					
	90	VC	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0					
	20	XC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4					
	30	VC	1.30	166	97	77	64	48	39	32	26	19.3	4.4	2.9	2.2	1.8					
	40	VC	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0					
	50	VC	1.68	215	125	100	83	62	50	42	33	25	5.7	3.8	2.9	2.3					
	60	VC	1.84	236	137	109	91	68	55	46	36	27	6.3	4.2	3.1	2.5					
20	VC	1.98	251	147	118	96	74	59	49	39	29	6.7	4.5	3.4	2.7						
	VC	2.12	271	157	126	105	79	63	52	42	31	7.2	4.8	3.6	2.9						
	VC	2.25	288	167	134	111	84	67	56	45	33	7.7	5.1	3.8	3.1						
	VC	2.40	308	179	145	118	94	74	60	49	38	8.2	5.5	4.1	3.4						

# TTI TwinJet® Twin Flat Spray Tips

The extremely coarse droplet size of the TeeJet TTI TwinJet spray nozzles provides the best drift control possible, with minimal driftable fines and a twin spray pattern for improved coverage. Ideal for post-emergent systemic products.

## Features:

- 110° wide angle, air induction, twin tapered flat spray tip pattern based on the patented outlet orifice design of the original Turbo TeeJet® nozzle.
- 60° angle between leading and trailing patterns for increased canopy coverage and penetration.
- Depending on the chemical, produces large air-filled drops through a venturi air aspirator resulting in less drift.
- All polymer construction for excellent chemical and wear resistance.



- All in one molded nozzle and Quick TeeJet® cap design allows for quick installation and automatic alignment.
- Removable pre-orifice for fast and easy cleaning.
- Wide operating pressure: 20 – 100 PSI.

PART	DESCRIPTION	PRICE (\$)
TP110*VPTTI60	TTI TwinJet Tip – 02 to 08	20.90

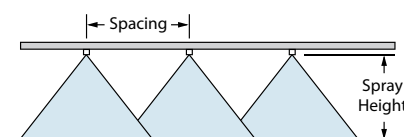
\* Indicate spray tip size when ordering.

	PSI	DROPSIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	20"															
					GPA								GALLONS PER 1000 SQ. FT.							
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH				
TP110-02VPTTI60	20	UC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19				
	30	UC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23				
	40	XC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27				
	50	XC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30				
	60	VC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33				
	70	VC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35				
TP110-025VPTTI60	80	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
	90	VC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41				
	20	UC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24				
	30	UC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30				
	40	XC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34				
	50	XC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
TP110-03VPTTI60	60	VC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42				
	70	VC	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45				
	80	VC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	90	VC	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52				
	20	UC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29				
	30	UC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35				
TP110-04VPTTI60	40	UC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41				
	50	UC	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46				
	60	XC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50				
	70	XC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
	80	VC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57				
	90	VC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61				
TP110-05VPTTI60	20	UC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
	30	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	40	UC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
	50	UC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61				
	60	XC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67				
	70	XC	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72				
TP110-06VPTTI60	80	VC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78				
	90	VC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82				
	20	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	30	UC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58				
	40	UC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68				
	50	UC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76				
TP110-08VPTTI60	60	XC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83				
	70	XC	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90				
	80	VC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97				
	90	VC	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0				
	20	UC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57				
	30	UC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71				
TP110-09VPTTI60	40	UC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82				
	50	UC	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91				
	60	XC	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99				
	70	XC	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1				
	80	XC	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2				
	90	XC	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2				
TP110-10VPTTI60	20	UC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78				
	30	UC	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94				
	40	UC	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.09				
	50	UC	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2				
	60	UC	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3				
	70	UC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4				
TP110-11VPTTI60	80	UC	1.13	145	84	67	56	42	34	28	22	16.8	3.8	2.6	1.9	1.5				
	90	XC	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6				

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).



CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
—	EXCELLENT	EXCELLENT



## Optimum Spray Height

110°	20"
110°	20"





## SJ-VR STREAMJET Variable Rate Fertilizer Tips

The SJ3-VR and SJ7-VR line of variable rate fertilizer spray tips feature a variable diameter orifice that produces a wide range of flow rates across standard operating pressures. This allows for a wider range of ground speeds and/or application rates from a single tip for improved productivity. The elastomer orifice design provides consistent flow rate performance while utilizing a simple, reliable design with no springs or moving parts.

### Features:

- Designed for use in flow meter-based application systems.
- Creates either three (SJ3-VR) or seven (SJ7-VR) identical fluid streams of equal velocity and capacity.
- Solid stream pattern minimizes leaf burn and virtually eliminates drift.
- Excellent spray distribution quality.
- Removable variable rate orifice (EPDM) for easy cleaning.
- Variable rate for a wide range of application speeds and rates.
- Nylon, Acetal, and EPDM construction for excellent chemical resistance.
- Recommended operating pressure 20 to 100 PSI (SJ3-VR) and 30 to 80 PSI (SJ7-VR) for optimum stream performance.



SJ3-VR STREAMJET TIP



SJ7-VR STREAMJET TIP



SJ-VR EXPLODED VIEW

PART	DESCRIPTION	PRICE (B)
TPSJ3-VRX2.0	Variable Rate StreamJet – 3 orifice	33.80
TPSJ7-VRX2.0	Variable Rate StreamJet – 7 orifice	37.45

SJ3-VRX2.0 VARIABLE RATE STREAMJET												
TIP NO. STRAINER MESH SIZE	LIQUID PRESSURE IN PSI	CAPACITY 1 NOZZLE IN GPM	20" SPACING									
			GALLONS PER ACRE									
			5 MPH	6 MPH	7 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
SJ3-VRX2.0 (50)	20	0.55	44	36	31	27	22	18.2	15.6	13.6	12.1	10.9
	30	0.70	55	46	40	35	28	23	19.8	17.3	15.4	13.9
	40	0.84	67	55	48	42	33	28	24	21	18.5	16.6
	50	0.97	77	64	55	48	38	32	27	24	21	19.2
	60	1.11	88	73	63	55	44	37	31	27	24	22
	70	1.25	99	83	71	62	50	41	35	31	28	25
	80	1.38	109	91	78	68	55	46	39	34	30	27
	90	1.51	120	100	85	75	60	50	43	37	33	30
	100	1.64	130	108	93	81	65	54	46	41	36	32

SJ7-VR VARIABLE RATE STREAMJET												
TIP NO. STRAINER MESH SIZE	LIQUID PRESSURE IN PSI	CAPACITY 1 NOZZLE IN GPM	20" SPACING									
			GALLONS PER ACRE									
			5 MPH	6 MPH	7 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
SJ7-VRX2.0 (50)	30	0.70	42	35	30	26	21	17.3	14.9	13	11.6	10.4
	40	0.85	50	42	36	32	25	21	18	15.8	14	12.6
	50	1.00	59	50	42	37	30	25	21	18.6	16.5	14.9
	60	1.17	69	58	50	43	35	29	25	22	19.3	17.4
	70	1.35	80	67	57	50	40	33	29	25	22	20
	80	1.55	92	77	66	58	46	38	33	29	26	23

## QJ-VR & PTC-VR Variable Rate Fertilizer Assemblies

The QJ-VR and PTC-VR line of variable rate fertilizer assemblies feature a variable diameter orifice that produces a wide range of flow rates across standard operating pressures. This allows for a wider range of ground speeds and/or application rates from a single size for improved productivity. The elastomer orifice design provides consistent flow rate performance while utilizing a simple, reliable design with no springs or moving parts.

### QJ-VR Variable Rate Hose Barb Fertilizer Assembly

#### Features:

- Designed for use in flow meter-based application systems.
- Available in 1/4" and 3/8" I.D. Hose.
- 1/4" version hose barb available in stainless steel; 3/8" version hose barb available in stainless steel and nylon.
- Removable variable rate EPDM orifice for easy cleaning.
- Variable rate for a wide range of application speeds and rates.
- Nylon, Acetal, and EPDM construction for excellent chemical resistance.
- Recommended operating pressure: 10 – 100 PSI.



### PTC-VR Variable Rate Push-To-Connect Fertilizer Assembly

#### Features:

- Designed for use in flow meter-based application systems.
- Available for 1/4" and 3/8" O.D. tubing.
- Fittings feature push-to-connect couplers for fast, easy, and leak-free assembly.
- Removable variable rate EPDM orifice for easy cleaning.
- Variable rate for a wide range of application speeds and rates.
- Nylon, Acetal, and EPDM construction for excellent chemical resistance.
- Recommended operating pressure: 10 – 100 PSI.



PART	DESCRIPTION	PRICE (B)
QJVR1/4SSX1.0	Variable Rate Hose Barb Assembly – 1/4" S.S.	55.60
QJVR3/8NYBX1.0	Variable Rate Hose Barb Assembly – 3/8" Nylon	41.20
QJVR3/8SSX1.0	Variable Rate Hose Barb Assembly – 3/8" S.S.	55.60

PART	DESCRIPTION	PRICE (B)
TPPTCVR1/4X1.0	Variable Rate Push-to-Connect Assembly – 1/4"	39.90
TPPTCVR3/8X1.0	Variable Rate Push-to-Connect Assembly – 3/8"	39.90

**NOTE: Please contact us for QJ-VR and PTC-VR Application Rate Charts.**



# StreamJet®






## Features:

- VisiFlo® color-coding system.
- 3 solid streams of equal velocity and capacity.
- Removable metering orifice for easy cleaning.
- Ten sizes for a wide range of application rates.
- Equally spaced distribution at 20" height.
- Use with Quick TeeJet® cap CP114442-\*.CE.
- All acetal construction for excellent chemical resistance.
- Recommended operating pressure:  
20–60 PSI (1.5–4 bar).

## Streamjet Tips

PART	DESCRIPTION	PRICE (B)
TPSJ3-015	Fertilizer Tip Green	12.95
TPSJ3-02	Fertilizer Tip Yellow	12.95
TPSJ3-03	Fertilizer Tip Blue	12.95
TPSJ3-04	Fertilizer Tip Red	12.95
TPSJ3-05	Fertilizer Tip Brown	12.95
TPSJ3-06	Fertilizer Tip Grey	12.95
TPSJ3-08	Fertilizer Tip White	12.95
TPSJ3-10	Fertilizer Tip Light Blue	12.95
TPSJ3-15	Fertilizer Tip Light Green	12.95
TPSJ3-20	Fertilizer Tip Black	12.95



		CAPACITY ONE NOZZLE IN GPM	GPA  20"											
			3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH	
SJ3-015-VP (100)	20	0.11	10.9	8.2	6.5	5.4	4.1	3.3	2.7	2.3	2.0	1.8	1.6	
	30	0.13	12.9	9.7	7.7	6.4	4.8	3.9	3.2	2.8	2.4	2.1	1.9	
	40	0.15	14.9	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2	
	50	0.16	15.8	11.9	9.5	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4	
	60	0.17	16.8	12.6	10.1	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5	
SJ3-02-VP (50)	20	0.14	13.9	10.4	8.3	6.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1	
	30	0.17	16.8	12.6	10.1	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5	
	40	0.20	19.8	14.9	11.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0	
	50	0.21	21	15.6	12.5	10.4	7.8	6.2	5.2	4.5	3.9	3.5	3.1	
	60	0.22	22	16.3	13.1	10.9	8.2	6.5	5.4	4.7	4.1	3.6	3.3	
SJ3-03-VP (50)	20	0.24	24	17.8	14.3	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	
	30	0.27	27	20	16.0	13.4	10.0	8.0	6.7	5.7	5.0	4.5	4.0	
	40	0.30	30	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5	
	50	0.33	33	25	19.6	16.3	12.3	9.8	8.2	7.0	6.1	5.4	4.9	
	60	0.35	35	26	21	17.3	13.0	10.4	8.7	7.4	6.5	5.8	5.2	
SJ3-04-VP (50)	20	0.30	30	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5	
	30	0.36	36	27	21	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3	
	40	0.40	40	30	24	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9	
	50	0.43	43	32	26	21	16.0	12.8	10.6	9.1	8.0	7.1	6.4	
	60	0.47	47	35	28	23	17.4	14.0	11.6	10.0	8.7	7.8	7.0	
SJ3-05-VP (50)	20	0.36	36	27	21	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3	
	30	0.45	45	33	27	22	16.7	13.4	11.1	9.5	8.4	7.4	6.7	
	40	0.50	50	37	30	25	18.6	14.9	12.4	10.6	9.3	8.3	7.4	
	50	0.55	54	41	33	27	20	16.3	13.6	11.7	10.2	9.1	8.2	
	60	0.59	58	44	35	29	22	17.5	14.6	12.5	11.0	9.7	8.8	
SJ3-06-VP (50)	20	0.42	42	31	25	21	15.6	12.5	10.4	8.9	7.8	6.9	6.2	
	30	0.54	53	40	32	27	20	16.0	13.4	11.5	10.0	8.9	8.0	
	40	0.60	59	45	36	30	22	17.8	14.9	12.7	11.1	9.9	8.9	
	50	0.66	65	49	39	33	25	19.6	16.3	14.0	12.3	10.9	9.8	
	60	0.70	69	52	42	35	26	21	17.3	14.9	13.0	11.6	10.4	
SJ3-08-VP	20	0.56	55	42	33	28	21	16.6	13.9	11.9	10.4	9.2	8.3	
	30	0.72	71	53	43	36	27	21	17.8	15.3	13.4	11.9	10.7	
	40	0.80	79	59	48	40	30	24	19.8	17.0	14.9	13.2	11.9	
	50	0.88	87	65	52	44	33	26	22	18.7	16.3	14.5	13.1	
	60	0.94	93	70	56	47	35	28	23	19.9	17.4	15.5	14.0	
SJ3-10-VP	20	0.65	64	48	39	32	24	19.3	16.1	13.8	12.1	10.7	9.7	
	30	0.90	89	67	53	45	33	27	22	19.1	16.7	14.9	13.4	
	40	1.00	99	74	59	50	37	30	25	21	18.6	16.5	14.9	
	50	1.11	110	82	66	55	41	33	27	24	21	18.3	16.5	
	60	1.19	118	88	71	59	44	35	29	25	22	19.6	17.7	
SJ3-15-VP	20	0.99	98	74	59	49	37	29	25	21	18.4	16.3	14.7	
	30	1.24	123	92	74	61	46	37	31	26	23	20	18.4	
	40	1.50	149	111	89	74	56	45	37	32	28	25	22	
	50	1.68	166	125	100	83	62	50	42	36	31	28	25	
	60	1.83	181	136	109	91	68	54	45	39	34	30	27	
SJ3-20-VP	20	1.41	140	105	84	70	52	42	35	30	26	23	21	
	30	1.75	173	130	104	87	65	52	43	37	32	29	26	
	40	2.00	198	149	119	99	74	59	50	42	37	33	30	
	50	2.28	226	169	135	113	85	68	56	48	42	38	34	
	60	2.49	247	185	148	123	92	74	62	53	46	41	37	

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).



# TeeJet® Turbo TeeJet Induction Spray Tips





## Features

- 110° Wide angle, air induction, tapered flat spray tip pattern based on the patented outlet orifice design of the original TeeJet® nozzle.
- Patented orifice design provides large, round passages to minimize plugging.
- Depending on chemical, produces large air-filled drops through a Venturi air aspirator resulting in less drift.
- All polymer construction for excellent chemical and wear resistance.
- Compact size to prevent tip damage.
- Removable pre-orifice – easy to clean, if required.
- Ideal for use with automatic sprayer controllers.
- Wide operating pressure range: 15 – 100 PSI.
- Use CP114442\*-CE Quick TeeJet® cap for spray tip sizes 015 to 06.
- Use CP114502\*-CE Quick TeeJet® cap for spray tip sizes 08 and 10.



PART	DESCRIPTION	PRICE (B)
TP110-**TTIVP	Turbo TeeJet Induction Spray Tip – Sizes 015 to 06	16.30
TP110-**TTIVP	Turbo TeeJet Induction Spray Tip – Sizes 08 & 10	19.05

Available in sizes: 015, 02, 025, 03, 04, 05, 06, 08, 10

 		PSI	DROPS SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	 20"											
						GPA								GALLONS PER 1000 SQ. FT.			
						4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
TP110015TTIVP (100)	15	UC	0.092	12	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4	0.31	0.21	0.16	0.13	
	20	UC	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15	
	30	UC	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18	
	40	UC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20	
	50	UC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23	
	60	UC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24	
	70	XC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27	
	80	XC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29	
	90	XC	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31	
	100	XC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33	
TP11002TTIVP (50)	15	UC	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16	
	20	UC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19	
	30	UC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23	
	40	UC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27	
	50	UC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30	
	60	UC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33	
	70	XC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35	
	80	XC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38	
	90	XC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41	
	100	XC	0.32	41	24	19.0	15.8	11.9	9.5	7.9	6.3	4.8	1.1	0.73	0.54	0.44	
TP110025TTIVP (50)	15	UC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20	
	20	UC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24	
	30	UC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30	
	40	UC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34	
	50	UC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38	
	60	UC	0.31	40	23	18.4	15.1	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42	
	70	UC	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45	
	80	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48	
	90	UC	0.38	48	28	22	18.6	14.1	11.3	9.4	7.3	5.5	1.3	0.84	0.63	0.50	
	100	UC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54	
TP11003TTIVP (50)	15	UC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24	
	20	UC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29	
	30	UC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35	
	40	UC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41	
	50	UC	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46	
	60	UC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50	
	70	XC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54	
	80	XC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57	
	90	XC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61	
	100	XC	0.47	60	35	28	23	17.4	14.0	11.6	9.3	7.0	1.6	1.1	0.80	0.64	
TP11004TTIVP (50)	15	UC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33	
	20	UC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38	
	30	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48	
	40	UC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54	
	50	UC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61	
	60	UC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67	
	70	XC	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72	
	80	XC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78	
	90	XC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82	
	100	XC	0.63	81	47	37	31	23	18.7	15.6	12.5	9.4	2.1	1.4	1.1	0.86	
TP11005TTIVP (50)	15	UC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42	
	20	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48	
	30	UC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58	
	40	UC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68	
	50	UC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76	
	60	UC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83	
	70	UC	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90	
	80	XC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97	
	90	XC	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0	
	100	XC	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1	
TP11006TTIVP (50)	15	UC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50	
	20	UC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57	
	30	UC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71	
	40	UC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82	
	50	UC	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91	
	60	UC	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99	
	70	XC	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1	
	80	XC	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2	
	90	XC	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2	
	100	XC	0.95	122	71	56	47	35	28	24	18.8	14.1	3.2	2.2	1.6	1.3	
TP11008TTIVP (50)	15	UC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67	
	20	UC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78	
	30	UC	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94	
	40	UC	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1	
	50	UC	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2	
	60	UC	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3	
	70	XC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4	
TP110010TTIVP	15	UC	1.13	145	84	67	56	41	32	26	22	16.2	2.6	1.9	1.4	1.1	
	20	UC	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6	
	30	UC	1.26	161	94	75	62	47	37	31	25	18.7	4.3	2.9	2.1	1.7	
	40	UC	1.35	178	105	84	70	54	42	35	28	20.1	5.1	3.4	2.5	1.9	
	50	UC	1.41	182	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0	
	60	UC	1.48	190	117	94	78	60	48	40	32	23	5.4	3.7	2.7	2.1	
	70	UC	1.55	197	123	101	82	64	51	42	34	25	5.8	4.0	2.9	2.2	
	80	UC	1.61	203	128	106	86	66	53	44	36	27	6.1	4.3	3.1	2.3	
	90	UC	1.67	210	133	111	91	71	58	47	39	30	6.5	4.6	3.3	2.4	
	100	UC	1.73	217	138	116	96	76	61	52	42	35	6.9	4.9	3.5	2.5	

# TeeJet® Flow Regulators

## Typical Assembly

Flow Regulators are usually mounted behind cultivator shanks for the subsurface application of liquid fertilizers and soil fumigants. They are also used for above-ground streaming applications.



1322  
1/4TT Body

5053  
Strainer

4916  
Orifice  
Plate

4928  
Adapter  
1/8" NPT (F)  
Outlet

1325  
Cap



**Note:** Always insert Orifice Plate with side marked with number facing the outlet  
MATERIAL: Stainless Steel

PART	DESCRIPTION	PRICE (B)
4916-**-	Stainless Steel Orifice	4.55

To determine the orifice plates you need, use the following equations:

$$\text{GPM (Per Nozzle)} = \frac{\text{GPA} \times \text{MPH} \times \text{W}}{5,940}$$

$$\text{GPA} = \frac{5,940 \times \text{GPM (Per Nozzle)}}{\text{MPH} \times \text{W}}$$

Tabulated flow rates are for spraying water into air atmospheric pressure. If your application creates backpressure, or if spraying into a liquid, measure and calibrate to ensure proper application rates.

W = Nozzle spacing (in inches) for broadcast spraying.

= Spray width (in inches) for single nozzle, band spraying or boomless spraying.

= Row spacing (in inches) divided by the number of nozzles per row for directed spraying.

	GPM						
	5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
4916-008	0.003	0.004	0.006	0.007	0.008	0.009	0.010
4916-10	0.005	0.007	0.009	0.011	0.013	0.015	0.016
4916-12	0.007	0.010	0.013	0.016	0.019	0.021	0.023
4916-14	0.009	0.013	0.018	0.022	0.025	0.028	0.031
4916-15	0.010	0.015	0.021	0.025	0.029	0.032	0.036
4916-16	0.012	0.017	0.023	0.029	0.033	0.037	0.040
4916-18	0.015	0.021	0.030	0.036	0.042	0.047	0.051
4916-20	0.018	0.026	0.037	0.045	0.052	0.058	0.064
4916-22	0.022	0.031	0.043	0.053	0.061	0.068	0.075
4916-24	0.026	0.037	0.052	0.064	0.074	0.083	0.091
4916-25	0.028	0.040	0.056	0.068	0.079	0.088	0.097
4916-26	0.030	0.043	0.061	0.074	0.086	0.096	0.105
4916-27	0.032	0.046	0.064	0.079	0.091	0.102	0.111
4916-28	0.035	0.049	0.069	0.085	0.098	0.110	0.120
4916-29	0.038	0.054	0.076	0.094	0.108	0.121	0.132
4916-30	0.040	0.057	0.081	0.099	0.114	0.127	0.140
4916-31	0.043	0.062	0.087	0.107	0.123	0.138	0.151
4916-32	0.048	0.068	0.095	0.117	0.135	0.151	0.165
4916-34	0.052	0.074	0.104	0.127	0.147	0.164	0.180
4916-35	0.056	0.079	0.111	0.136	0.157	0.176	0.192
4916-37	0.061	0.086	0.122	0.149	0.172	0.192	0.211
4916-39	0.068	0.096	0.135	0.165	0.191	0.214	0.234
4916-40	0.072	0.102	0.144	0.177	0.204	0.228	0.250
4916-41	0.075	0.106	0.149	0.183	0.211	0.236	0.258
4916-43	0.082	0.116	0.163	0.200	0.231	0.258	0.283
4916-45	0.088	0.125	0.177	0.217	0.250	0.280	0.306
4916-46	0.095	0.135	0.191	0.234	0.270	0.302	0.331

	GPM						
	5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
4916-47	0.097	0.138	0.194	0.238	0.275	0.307	0.337
4916-48	0.101	0.143	0.202	0.248	0.286	0.320	0.350
4916-49	0.104	0.148	0.209	0.255	0.295	0.330	0.361
4916-51	0.116	0.165	0.233	0.285	0.329	0.368	0.403
4916-52	0.118	0.168	0.237	0.290	0.335	0.375	0.410
4916-54	0.127	0.180	0.255	0.312	0.360	0.402	0.441
4916-55	0.133	0.189	0.267	0.326	0.377	0.421	0.462
4916-57	0.141	0.200	0.283	0.346	0.400	0.447	0.490
4916-59	0.153	0.217	0.306	0.375	0.433	0.484	0.530
4916-61	0.165	0.233	0.330	0.404	0.466	0.521	0.571
4916-63	0.174	0.246	0.347	0.425	0.491	0.549	0.601
4916-65	0.185	0.261	0.369	0.452	0.522	0.584	0.639
4916-67	0.196	0.278	0.392	0.481	0.555	0.621	0.680
4916-68	0.203	0.287	0.405	0.496	0.573	0.641	0.702
4916-70	0.216	0.306	0.433	0.530	0.612	0.684	0.750
4916-72	0.226	0.320	0.453	0.554	0.640	0.716	0.784
4916-73	0.233	0.330	0.467	0.572	0.660	0.738	0.808
4916-75	0.245	0.347	0.491	0.601	0.694	0.776	0.850
4916-78	0.272	0.385	0.544	0.667	0.770	0.861	0.943
4916-80	0.280	0.397	0.561	0.687	0.793	0.887	0.971
4916-81	0.290	0.411	0.581	0.711	0.821	0.918	1.01
4916-83	0.317	0.449	0.634	0.777	0.897	1.00	1.10
4916-86	0.332	0.470	0.664	0.813	0.939	1.05	1.15
4916-89	0.346	0.490	0.693	0.849	0.980	1.10	1.20
4916-91	0.369	0.523	0.739	0.905	1.05	1.17	1.28
4916-93	0.387	0.547	0.774	0.947	1.09	1.22	1.34
4916-95	0.404	0.572	0.808	0.990	1.14	1.28	1.40

	GPM						
	5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
4916-98	0.442	0.625	0.884	1.08	1.25	1.40	1.53
4916-103	0.461	0.653	0.923	1.13	1.31	1.46	1.60
4916-107	0.518	0.733	1.04	1.27	1.47	1.64	1.79
4916-110	0.548	0.775	1.10	1.34	1.55	1.73	1.90
4916-115	0.605	0.855	1.21	1.48	1.71	1.91	2.09
4916-120	0.629	0.890	1.26	1.54	1.78	1.99	2.18
4916-125	0.693	0.980	1.39	1.70	1.96	2.19	2.40
4916-128	0.721	1.02	1.44	1.77	2.04	2.28	2.50
4916-132	0.774	1.10	1.55	1.90	2.19	2.45	2.68
4916-136	0.840	1.19	1.68	2.06	2.38	2.66	2.91
4916-140	0.894	1.27	1.79	2.19	2.53	2.83	3.10
4916-144	0.926	1.31	1.85	2.27	2.62	2.93	3.21
4916-147	0.953	1.35	1.91	2.33	2.70	3.01	3.30
4916-151	1.04	1.47	2.08	2.55	2.94	3.29	3.60
4916-156	1.10	1.55	2.20	2.69	3.11	3.47	3.80
4916-161	1.15	1.63	2.31	2.83	3.27	3.65	4.00
4916-166	1.21	1.72	2.43	2.97	3.43	3.84	4.20
4916-170	1.30	1.84	2.61	3.19	3.69	4.12	4.51
4916-172	1.36	1.92	2.71	3.32	3.84	4.29	4.70
4916-177	1.41	2.00	2.83	3.46	4.00	4.47	4.90
4916-182	1.47	2.08	2.95	3.61	4.17	4.66	5.10
4916-187	1.56	2.21	3.12	3.82	4.41	4.93	5.40
4916-196	1.73	2.45	3.46	4.24	4.90	5.47	6.00
4916-205	1.88	2.65	3.75	4.59	5.31	5.93	6.50
4916-218	2.11	2.98	4.21	5.16	5.96	6.66	7.30
4916-234	2.45	3.47	4.91	6.01	6.94	7.76	8.50
4916-250	2.83	4.00	5.66	6.93	8.00	8.94	9.80

**Note:** Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).





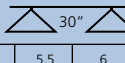
# TeeJet® Even Flat Spray Tips

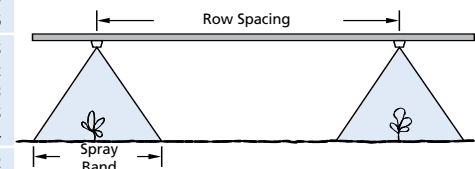
## Features:

- Ideal for banding over the row or in row middles.
- Provides uniform distribution throughout the flat spray pattern.
- Easily mounted on spray boom or planter.
- Available in Visiflo, stainless steel, or brass.
- Automatic spray alignment with CP114440\*-CE cap.

PART	DESCRIPTION	PRICE (B)
TP40**E	Brass Tip	6.50
TP40**ESS	Stainless Steel Tip	16.65
TP80**EVS	Visiflo Tip	9.40
TP80**ESS	Stainless Steel Tip	16.45



 	PSI	CAPACITY ONE NOZZLE IN GPM	U.S. GPA 											
			3 MPH	3.5 MPH	4 MPH	4.5 MPH	5 MPH	5.5 MPH	6 MPH	6.5 MPH	7 MPH	7.5 MPH	8 MPH	8.5 MPH
TP4001E TP4001ESS	20	0.071	4.7	4.0	3.5	3.1	2.8	2.6	2.3	2.2	2.0	1.9	1.8	1.7
	30	0.087	5.7	4.9	4.3	3.8	3.4	3.1	2.9	2.7	2.5	2.3	2.2	2.0
	40	0.10	6.6	5.7	5.0	4.4	4.0	3.6	3.3	3.0	2.8	2.6	2.5	2.3
	50	0.11	7.3	6.2	5.4	4.8	4.4	4.0	3.6	3.4	3.1	2.9	2.7	2.6
TP8001EVS	60	0.12	7.9	6.8	5.9	5.3	4.8	4.3	4.0	3.7	3.4	3.2	3.0	2.8
	20	0.11	7.3	6.2	5.4	4.8	4.4	4.0	3.6	3.4	3.1	2.9	2.7	2.6
	30	0.13	8.6	7.4	6.4	5.7	5.1	4.7	4.3	4.0	3.7	3.4	3.2	3.0
	40	0.15	9.9	8.5	7.4	6.6	5.9	5.4	5.0	4.6	4.2	4.0	3.7	3.5
TP80015EVS	50	0.17	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2	4.0
	60	0.18	11.9	10.2	8.9	7.9	7.1	6.5	5.9	5.5	5.1	4.8	4.5	4.2
	20	0.14	9.2	7.9	6.9	6.2	5.5	5.0	4.6	4.3	4.0	3.7	3.5	3.3
	30	0.17	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2	4.0
TP8002EVS	40	0.20	13.2	11.3	9.9	8.8	7.9	7.2	6.6	6.1	5.7	5.3	5.0	4.7
	50	0.22	14.5	12.4	10.9	9.7	8.7	7.9	7.3	6.7	6.2	5.8	5.4	5.1
	60	0.24	15.8	13.6	11.9	10.6	9.5	8.6	7.9	7.3	6.8	6.3	5.9	5.6
	20	0.21	13.9	11.9	10.4	9.2	8.3	7.6	6.9	6.4	5.9	5.5	5.2	4.9
TP8003EVS	30	0.26	17.2	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.4	6.9	6.4	6.1
	40	0.30	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5	7.9	7.4	7.0
	50	0.34	22	19.2	16.8	15.0	13.5	12.2	11.2	10.4	9.6	9.0	8.4	7.9
	60	0.37	24	21	18.3	16.3	14.7	13.3	12.2	11.3	10.5	9.8	9.2	8.6
TP8004EVS	20	0.28	18.5	15.8	13.9	12.3	11.1	10.1	9.2	8.5	7.9	7.4	6.9	6.5
	30	0.35	23	19.8	17.3	15.4	13.9	12.6	11.6	10.7	9.9	9.2	8.7	8.2
	40	0.40	26	23	19.8	17.6	15.8	14.4	13.2	12.2	11.3	10.6	9.9	9.3
	50	0.45	30	25	22	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5
TP8005EVS	60	0.49	32	28	24	22	19.4	17.6	16.2	14.9	13.9	12.9	12.1	11.4
	20	0.35	23	19.8	17.3	15.4	13.9	12.6	11.6	10.7	9.9	9.2	8.7	8.2
	30	0.43	28	24	21	18.9	17.0	15.5	14.2	13.1	12.2	11.4	10.6	10.0
	40	0.50	33	28	25	22	19.8	18.0	16.5	15.2	14.1	13.2	12.4	11.6
TP8006EVS	50	0.56	37	32	28	25	22	20	18.5	17.1	15.8	14.8	13.9	13.0
	60	0.61	40	35	30	27	24	22	20	18.6	17.3	16.1	15.1	14.2
	20	0.42	28	24	21	18.5	16.6	15.1	13.9	12.8	11.9	11.1	10.4	9.8
	30	0.52	34	29	26	23	21	18.7	17.2	15.8	14.7	13.7	12.9	12.1
TP8008EVS	40	0.60	40	34	30	26	24	22	19.8	18.3	17.0	15.8	14.9	14.0
	50	0.67	44	38	33	29	27	24	22	20	19.0	17.7	16.6	15.6
	60	0.73	48	41	36	32	29	26	24	22	21	19.3	18.1	17.0
	20	0.57	38	32	28	25	23	21	18.8	17.4	16.1	15.0	14.1	13.3
TP8008EVS	30	0.69	46	39	34	30	27	25	23	21	19.5	18.2	17.1	16.1
	40	0.80	53	45	40	35	32	29	26	24	23	21	19.8	18.6
	50	0.89	59	50	44	39	35	32	29	27	25	23	22	21
	60	0.98	65	55	49	43	39	35	32	30	28	26	24	23
TP8010EVS	20	0.71	47	40	35	31	28	26	23	22	20	18.7	17.6	16.5
	30	0.87	57	49	43	38	34	31	29	27	25	23	22	20
	40	1.00	66	57	50	44	40	36	33	30	28	26	25	23
	50	1.12	74	63	55	49	44	40	37	34	32	30	28	26
TP8015EVS	60	1.22	81	69	60	54	48	44	40	37	35	32	30	28
	20	1.06	70	60	52	47	42	38	35	32	30	28	26	25
	30	1.30	86	74	64	57	51	47	43	40	37	34	32	30
	40	1.50	99	85	74	66	59	54	50	46	42	40	37	35
TP8015EVS	50	1.68	111	95	83	74	67	60	55	51	48	44	42	39
	60	1.84	121	104	91	81	73	66	61	56	52	49	46	43



	GPA CONVERSION FACTORS*						
	40°	65°	80°	95°	110°	20"	30"
8"	11"	6"	5"	4"	3"	2.50	3.75
10"	14"	8"	6"	5"	4"	2.00	3.00
12"	16"	9"	7"	5"	4"	1.67	2.50
15"	21"	12"	9"	7"	5"	1.33	2.00



# TeeJet® AI3070 Air Induction Dual Pattern Flat Spray Tips

The AI3070 TeeJet dual flat spray tip, utilizing a patent-pending design, provides two spray patterns at complementary angles of 30° and 70° from vertical. The leading pattern provides coverage at the rear of the crop and penetration for coverage within the canopy. The trailing pattern provides thorough coverage across the top of the crop canopy. The AI3070 is ideal for fungicide application and disease control in cereal crops.

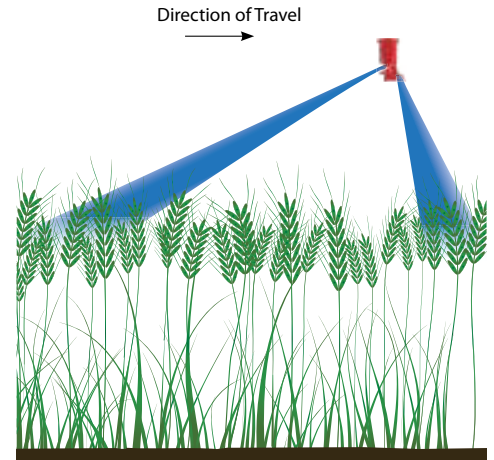
## AI3070 Features & Benefits:

- AI3070 produces two wide angle, flat spray patterns for uniform coverage in broadcast applications.
- 30° forward tilted spray penetrates dense crop canopies, while the backward tilted 70° spray maximizes coverage of the crop seed head.
- Drift resistant drops are produced through the use of a venture air aspirator.
- Large, round, free passages minimize clogging.
- All acetal construction for excellent chemical and wear resistance.
- Removable pre-orifice for fast and easy cleaning.
- Automatic alignment with use of QJ98578-1NYP cap.
- Uses standard QJ19438EPR gasket.
- Suggested spray pressure range of 20 to 90 PSI (1.5 to 6 bar).

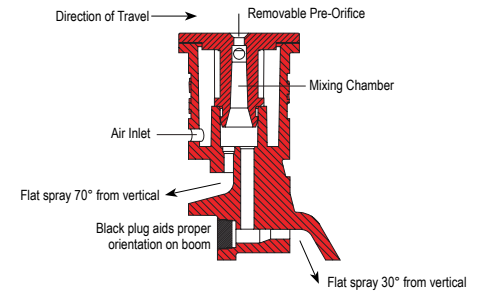


PART	DESCRIPTION	PRICE (\$)
TP3070-AIVP	AI3070 Spray Tip*	11.90
QJ98578-1NY	Cap Only for AI3070 Spray Tip	2.05
QJ19438EPR	QJ Gasket	.75

\* AI3070 Spray Tip available in 6 sizes (015, 02, 025, 03, 04, and 05) – Please Specify Size When Ordering



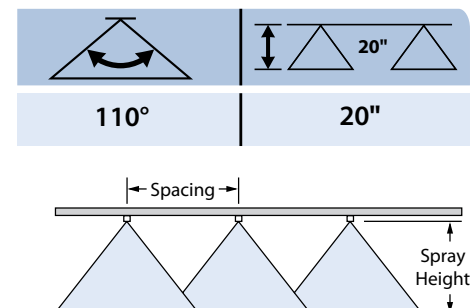
## CROSS SECTION VIEW






## SELECTION GUIDE

CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
EXCELLENT	EXCELLENT	VERY GOOD

## OPTIMUM SPRAY HEIGHT



		PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE OZ/MIN	 20"											GALLONS PER 1000 SQ. FT.				
						GPA															
						4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH				
AI3070-015VP (100)	20	VC	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15					
	30	C	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18					
	40	C	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20					
	50	M	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23					
	60	M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24					
	75	M	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29					
90	F	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31						
AI3070-02VP (100)	20	XC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19					
	30	VC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23					
	40	C	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27					
	50	C	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30					
	60	C	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33					
	75	M	0.27	35	20	16.0	13.4	10.0	8.0	6.7	5.3	4.0	0.92	0.61	0.46	0.37					
90	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41						
AI3070-025VP (100)	20	XC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24					
	30	VC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30					
	40	C	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34					
	50	C	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38					
	60	C	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42					
	75	C	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46					
90	M	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52						
AI3070-03VP (50)	20	XC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29					
	30	XC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35					
	40	VC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41					
	50	C	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46					
	60	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50					
	75	C	0.41	52	30	24	20	15.2	12.2	10.1	8.1	6.1	1.4	0.93	0.70	0.56					
AI3070-04VP (50)	90	C	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61					
	20	UC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38					
	30	XC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48					
	40	VC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54					
	50	VC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61					
	60	VC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67					
75	C	0.55	70	41	33	27	20	16.3	13.6	10.9	8.2	1.9	1.2	0.94	0.75						
90	C	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82						
AI3070-05VP (50)	20	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48					
	30	XC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58					
	40	VC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68					
	50	VC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76					
	60	VC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83					
	75	C	0.68	87	50	40	34	25	20	16.8	13.5	10.1	2.3	1.5	1.2	0.92					
90	C	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0						

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).

Extremely Fine Very Fine Fine Medium Coarse Very Coarse Extremely Coarse Ultra Coarse

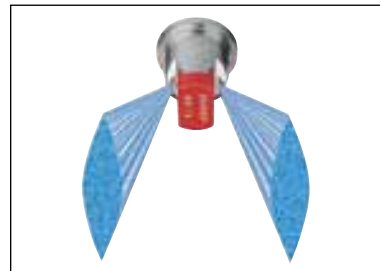
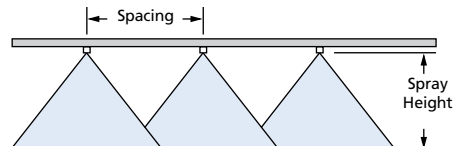
TeeJet®



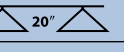
TwinJet®



**Features:**

- Penetrates crop residue or dense foliage.
- Smaller droplets for thorough coverage.
- Better spray distribution along boom than with hollow cone nozzles.
- Available stainless steel with VisiFlo® color-coding in 80° and 110° spray angles.
- Automatic spray alignment with CP114442-\*CE Quick TeeJet® cap.



		DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	 20"																
					PSI	80°	110°	GPA								GALLONS PER 1000 SQ. FT.					
								4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH		
TJ60-6501 TJ60-8001 (100)	30	VF		0.087	11	6.5	5.2	4.3	3.2	2.6	2.2	1.7	1.3	0.30	0.20	0.15	0.12				
	35	VF		0.094	12	7.0	5.6	4.7	3.5	2.8	2.3	1.9	1.4	0.32	0.21	0.16	0.13				
	40	VF		0.10	13	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.34	0.23	0.17	0.14				
	50	VF		0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15				
TJ60-650134 (100)	60	VF		0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16				
	30			0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16				
	35			0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18				
	40			0.134	17	9.9	8.0	6.6	5.0	4.0	3.3	2.7	2.0	0.46	0.30	0.23	0.18				
TJ60-6502 TJ60-8002 TJ60-11002 (100)	50			0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20				
	60			0.16	20	11.9	9.5	7.9	5.9	4.8	4.0	3.2	2.4	0.54	0.36	0.27	0.22				
	30	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23				
	35	F	VF	0.19	24	14.1	11.3	9.4	7.1	5.6	4.7	3.8	2.8	0.65	0.43	0.32	0.26				
TJ60-6503 TJ60-8003 TJ60-11003 (100)	40	F	VF	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27				
	50	F	VF	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30				
	60	F	VF	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33				
	30	F	F	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35				
TJ60-6504 TJ60-8004 TJ60-11004 (50)	35	F	F	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
	40	F	F	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41				
	50	F	F	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46				
	60	F	F	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50				
TJ60-8005 TJ60-11005 (50)	30	M	F	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	35	M	F	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50				
	40	F	F	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
	50	F	F	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61				
TJ60-8006 TJ60-11006 (50)	60	F	F	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67				
	30	M	M	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58				
	35	M	M	0.47	60	35	28	23	17.4	14.0	11.6	9.3	7.0	1.6	1.07	0.80	0.64				
	40	M	M	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.13	0.85	0.68				
TJ60-6506 TJ60-8006 TJ60-11006 (50)	50	F	F	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76				
	60	F	F	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.04	0.83				
	30	M	M	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71				
	35	M	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76				
TJ60-6508 TJ60-8008 TJ60-11008 (50)	40	M	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82				
	50	M	F	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91				
	60	M	F	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99				
	30	C	M	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94				
TJ60-8010 TJ60-11010 (50)	35	M	M	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0				
	40	M	M	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1				
	50	M	M	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2				
	60	M	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3				
TJ60-8010 TJ60-11010 (50)	30	C	M	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2				
	35	C	M	0.94	120	70	56	47	35	28	23	18.6	14.0	3.2	2.1	1.6	1.3				
	40	C	M	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4				
	50	M	M	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5				
TJ60-8010 TJ60-11010 (50)	60	M	M	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7				

**Note:** Always double check your application rates.  
Tabulations are based on spraying water at 70°F (21°C).

● Very Fine   
 ● Fine   
 ● Medium   
 ● Coarse   
 ● Very Coarse   
 ○ Extremely Coarse

**Optimum Spray Height**

80°	110°
35"	20"
30"	20"
20"	20"

**TwinJet**

PART	DESCRIPTION	PRICE (B)
TP80-01TJ60VS	Twin Jet VS Tip 80°	<b>18.05</b>
TP65-0134TJ60VS	Twin Jet VS Tip 65°	<b>18.05</b>
TP80-02TJ60VS	Twin Jet VS Tip 80°	<b>18.05</b>
TP80-03TJ60VS	Twin Jet VS Tip 80°	<b>18.05</b>
TP80-04TJ60VS	Twin Jet VS Tip 80°	<b>18.05</b>
TP80-06TJ60VS	Twin Jet VS Tip 80°	<b>18.05</b>
TP80-08TJ60VS	Twin Jet VS Tip 80°	<b>18.05</b>
TP80-10TJ60VS	Twin Jet VS Tip 80°	<b>18.05</b>

**110°**

PART	DESCRIPTION	PRICE (B)
TP110-02TJ60VS	Twin Jet VS Tip 110°	<b>17.55</b>
TP110-03TJ60VS	Twin Jet VS Tip 110°	<b>17.55</b>
TP110-04TJ60VS	Twin Jet VS Tip 110°	<b>17.55</b>
TP110-06TJ60VS	Twin Jet VS Tip 110°	<b>17.55</b>
TP110-08TJ60VS	Twin Jet VS Tip 110°	<b>17.55</b>
TP110-10TJ60VS	Twin Jet VS Tip 110°	<b>17.55</b>

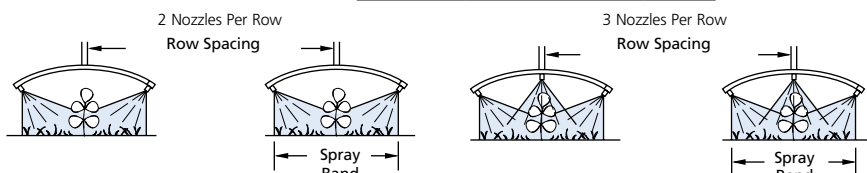
# ConeJet®

## Features:

- VisiFlo color-coded version consists of stainless steel in polypropylene body. Maximum operating pressure 300 PSI. Spray angle is 80° at 100 PSI.
- Ideal for banding with two or three nozzles over the row.
- Finely atomized spray pattern provides thorough coverage.
- Automatic spray alignment with CP114444\*-CE cap.

## ConeJet Tips

PART	DESCRIPTION	PRICE (B)
TPTX-1VS	Hollow ConeJet 80°	9.80
TPTX-2VS	Hollow ConeJet 80°	9.80
TPTX-3VS	Hollow ConeJet 80°	9.80
TPTX-4VS	Hollow ConeJet 80°	9.80
TPTX-6VS	Hollow ConeJet 80°	9.80
TPTX-8VS	Hollow ConeJet 80°	9.80
TPTX-10VS	Hollow ConeJet 80°	9.80
TPTX-12VS	Hollow ConeJet 80°	9.80
TPTX-18VS	Hollow ConeJet 80°	9.80
TPTX-26VS	Hollow ConeJet 80°	9.80



\*To find GPA rate on band widths, multiply the tabulated GPA for ROW SPACING by the conversion factors.

		GPA CONVERSION FACTORS*	
		30°	
8"			3.75
10"			3.00
12"			2.50
15"			2.00

	PSI	CAPACITY TWO NOZZLES IN GPM	CAPACITY TWO NOZZLES IN OZ./MIN.	U.S. GPA 30°					PSI	CAPACITY THREE NOZZLES IN GPM	CAPACITY THREE NOZZLES IN OZ./MIN.	U.S. GPA 30°				
				3 MPH	4 MPH	5 MPH	6 MPH	7 MPH				3 MPH	4 MPH	5 MPH	6 MPH	7 MPH
TX-1	40	0.033	4.2	2.2	1.6	1.3	1.1	0.93	40	0.050	6.4	3.3	2.5	2.0	1.7	1.4
TPTX1VS	60	0.039	5.0	2.6	1.9	1.5	1.3	1.1	60	0.059	7.6	3.9	2.9	2.3	1.9	1.7
(100)	75	0.043	5.5	2.8	2.1	1.7	1.4	1.2	75	0.065	8.3	4.3	3.2	2.6	2.1	1.8
	90	0.047	6.0	3.1	2.3	1.9	1.6	1.3	90	0.070	9.0	4.6	3.5	2.8	2.3	2.0
	120	0.053	6.8	3.5	2.6	2.1	1.7	1.5	120	0.079	10	5.2	3.9	3.1	2.6	2.2
TX-2	40	0.067	8.6	4.4	3.3	2.7	2.2	1.9	40	0.100	13	6.6	5.0	4.0	3.3	2.8
TPTX2VS	60	0.080	10	5.3	4.0	3.2	2.6	2.3	60	0.12	15	7.9	5.9	4.8	4.0	3.4
(100)	75	0.088	11	5.8	4.4	3.5	2.9	2.5	75	0.13	17	8.6	6.4	5.1	4.3	3.7
	90	0.095	12	6.3	4.7	3.8	3.1	2.7	90	0.14	18	9.2	6.9	5.5	4.6	4.0
	120	0.11	14	7.3	5.4	4.4	3.6	3.1	120	0.16	20	10.6	7.9	6.3	5.3	4.5
TX-3	40	0.10	13	6.6	5.0	4.0	3.3	2.8	40	0.15	19	9.9	7.4	5.9	5.0	4.2
TPTX3VS	60	0.12	15	7.9	5.9	4.8	4.0	3.4	60	0.18	23	11.9	8.9	7.1	5.9	5.1
(100)	75	0.13	17	8.6	6.4	5.1	4.3	3.7	75	0.20	26	13.2	9.9	7.9	6.6	5.7
	90	0.14	18	9.2	6.9	5.5	4.6	4.0	90	0.21	27	13.9	10.4	8.3	6.9	5.9
	120	0.16	20	10.6	7.9	6.3	5.3	4.5	120	0.24	31	15.8	11.9	9.5	7.9	6.8
TX-4	40	0.13	17	8.6	6.4	5.1	4.3	3.7	40	0.20	26	13.2	9.9	7.9	6.6	5.7
TPTX4VS	60	0.16	20	10.6	7.9	6.3	5.3	4.5	60	0.24	31	15.8	11.9	9.5	7.9	6.8
(50)	75	0.18	23	11.9	8.9	7.1	5.9	5.1	75	0.27	35	17.8	13.4	10.7	8.9	7.6
	90	0.19	24	12.5	9.4	7.5	6.3	5.4	90	0.29	37	19.1	14.4	11.5	9.6	8.2
	120	0.22	28	14.5	10.9	8.7	7.3	6.2	120	0.33	42	22	16.3	13.1	10.9	9.3
TX-6	40	0.20	26	13.2	9.9	7.9	6.6	5.7	40	0.30	38	19.8	14.9	11.9	9.9	8.5
TPTX6VS	60	0.24	31	15.8	11.9	9.5	7.9	6.8	60	0.36	46	24	17.8	14.3	11.9	10.2
(50)	75	0.27	35	17.8	13.4	10.7	8.9	7.6	75	0.40	51	26	19.8	15.8	13.2	11.3
	90	0.29	37	19.1	14.4	11.5	9.6	8.2	90	0.43	55	28	21	17.0	14.2	12.2
	120	0.33	42	22	16.3	13.1	10.9	9.3	120	0.50	64	33	25	19.8	16.5	14.1
TX-8	40	0.27	35	17.8	13.4	10.7	8.9	7.6	40	0.40	51	26	19.8	15.8	13.2	11.3
TPTX8VS	60	0.32	41	21	15.8	12.7	10.6	9.1	60	0.49	63	32	24	19.4	16.2	13.9
(50)	75	0.36	46	24	17.8	14.3	11.9	10.2	75	0.54	69	36	27	21	17.8	15.3
	90	0.39	50	26	19.3	15.4	12.9	11.0	90	0.59	76	39	29	23	19.5	16.7
	120	0.45	58	30	22	17.8	14.9	12.7	120	0.68	87	45	34	27	22	19.2
TX-10	40	0.33	42	22	16.3	13.1	10.9	9.3	40	0.50	64	33	25	19.8	16.5	14.1
TPTX10VS	60	0.40	51	26	19.8	15.8	13.2	11.3	60	0.61	78	40	30	24	20	17.3
(50)	75	0.45	58	30	22	17.8	14.9	12.7	75	0.68	87	45	34	27	22	19.2
	90	0.49	63	32	24	19.4	16.2	13.9	90	0.74	95	49	37	29	24	21
	120	0.56	72	37	28	22	18.5	15.8	120	0.85	109	56	42	34	28	24
TX-12	40	0.40	51	26	19.8	15.8	13.2	11.3	40	0.60	77	40	30	24	19.8	17.0
TPTX12VS	60	0.49	63	32	24	19.4	16.2	13.9	60	0.73	93	48	36	29	24	21
(50)	75	0.54	69	36	27	21	17.8	15.3	75	0.81	104	53	40	32	27	23
	90	0.59	76	39	29	23	19.5	16.7	90	0.88	113	58	44	35	29	25
	120	0.68	87	45	34	27	22	19.2	120	1.01	129	67	50	40	33	29
TX-18	40	0.60	77	40	30	24	19.8	17.0	40	0.90	115	59	45	36	30	25
TPTX18VS	60	0.73	93	48	36	29	24	21	60	1.10	141	73	54	44	36	31
(50)	75	0.82	105	54	41	32	27	23	75	1.23	157	81	61	49	41	35
	90	0.90	115	59	45	36	30	25	90	1.35	173	89	67	53	45	38
	120	1.03	132	68	51	41	34	29	120	1.55	198	102	77	61	51	44
TX-26	40	0.87	111	57	43	34	29	25	40	1.30	166	86	64	51	43	37
TPTX26VS	60	1.06	136	70	52	42	35	30	60	1.59	204	105	79	63	52	45
(50)	75	1.18	151	78	58	47	39	33	75	1.78	228	117	88	70	59	50
	90	1.30	166	86	64	51	43	37	90	1.94	248	128	96	77	64	55
	120	1.49	191	98	74	59	49	42	120	2.24	287	148	111	89	74	63



# AI TeeJet®

## Features:

- Stainless steel insert produces tapered edge flat spray pattern for uniform coverage in broadcast spraying.
- Polymer insert holder and pre-orifice with VisiFlo® color-coding.
- Larger droplets for less drift.
- Depending on the chemical, produces large air-filled drops through the use of Venturi air aspirator.
- Automatic spray alignment with CP114442-\*CE Quick TeeJet® cap.

## Air Induction Tips

PART	DESCRIPTION	PRICE (B)
TP110-015AIVS	Air Induction Tip 110°	19.30
TP110-02AIVS	Air Induction Tip 110°	19.30
TP110-025AIVS	Air Induction Tip 110°	19.30
TP110-03AIVS	Air Induction Tip 110°	19.30

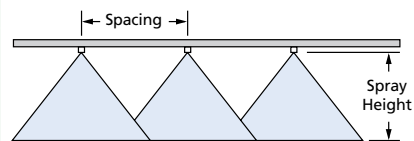
PART	DESCRIPTION	PRICE (B)
TP110-04AIVS	Air Induction Tip 110°	19.30
TP110-05AIVS	Air Induction Tip 110°	19.30
TP110-06AIVS	Air Induction Tip 110°	19.30
TP110-08AIVS	Air Induction Tip 110°	19.30



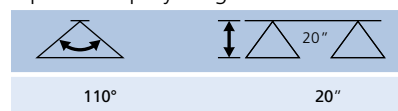
	PSI	DROPS PER MIN.	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	20"															
					GPA								GALLONS PER 1000 SQ. FT.							
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH
TP110015AIVS (100)	30	UC	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18				
	40	XC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20				
	50	XC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23				
	60	VC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24				
	70	VC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27				
	80	VC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29				
TP11002AIVS (50)	90	C	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31				
	100	C	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33				
	30	UC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23				
	40	XC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27				
	50	XC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30				
	60	VC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33				
TP110025AIVS (50)	70	VC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35				
	80	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
	90	VC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41				
	100	C	0.32	41	24	19.0	15.8	11.9	9.5	7.9	6.3	4.8	1.1	0.73	0.54	0.44				
	30	UC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30				
	40	XC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34				
TP11003AIVS (50)	50	XC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
	60	XC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42				
	70	VC	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45				
	80	VC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	90	VC	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52				
	100	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
TP11004AIVS (50)	30	UC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35				
	40	XC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41				
	50	XC	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46				
	60	XC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50				
	70	VC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
	80	VC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57				
TP11005AIVS (50)	90	VC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61				
	100	C	0.47	60	35	28	23	17.4	14.0	11.6	9.3	7.0	1.6	1.1	0.80	0.64				
	30	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	40	XC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
	50	XC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61				
	60	VC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67				
TP11006AIVS (50)	70	VC	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72				
	80	VC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78				
	90	VC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82				
	100	C	0.63	81	47	37	31	23	18.7	15.6	12.5	9.4	2.1	1.4	1.1	0.86				
	30	UC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58				
	40	XC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68				
TP11008AIVS (50)	50	XC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76				
	60	VC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83				
	70	VC	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90				
	80	VC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97				
	90	VC	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0				
	100	VC	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1				
TP11009AIVS (50)	30	UC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71				
	40	UC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82				
	50	XC	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91				
	60	XC	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99				
	70	VC	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1				
	80	VC	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2				
TP11010AIVS (50)	90	VC	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2				
	100	VC	0.95	122	71	56	47	35	28	24	18.8	14.1	3.2	2.2	1.6	1.3				
	30	UC	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94				
	40	UC	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1				
	50	XC	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2				
	60	XC	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3				
TP11011AIVS (50)	70	VC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4				
	80	VC	1.13	145	84	67	56	42	34	28	22	16.8	3.8	2.6	1.9	1.5				
	90	VC	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6				
	100	VC	1.26	161	94	75	62	47	37	31	25	18.7	4.3	2.9	2.1	1.7				



**Note:** Due to the pre-orifice design, this tip is not compatible with the 4193A check valve tip strainer.



Optimum Spray Height





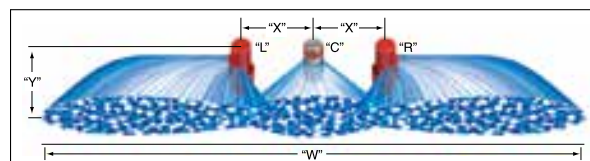
# XP BoomJet®



## Typical Applications:




- Boomless field spray applications.
- Roadside and right-of-way applications.
- End row spraying.
- Orchard spraying.
- De-icing applications.
- Forestry.

## Features:

- Unique orifice geometry produces wide spray pattern while maintaining superior distribution across entire width.
- Pre-orifice design minimizes drift.
- Extra wide spray pattern—up to 18.5 feet (5.5 meters)—using a single nozzle.
- Removable polymer pre-orifice.
- Acetal construction for excellent chemical resistance.
- Recommended spray pressure range: 20–60 PSI (1.5–4 bar).
- NPT or BSPT (male) threads for easy installation.
- Color-coding for easy capacity identification.



 "R", "L"	CENTER NOZZLE "C"	NOZZLE SPACING "X" = 20"																								
		 PSI	DROP SIZE	CAPACITY THREE NOZZLES IN GPM	SPRAY WIDTH "W" (FEET)		HEIGHT = 24"										HEIGHT = 36"									
							GPA FOR THREE NOZZLES					GALLONS PER 1000 SQ. FT.					GPA FOR THREE NOZZLES					GALLONS PER 1000 SQ. FT.				
					24" HEIGHT	36" HEIGHT	4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH	4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
1/4XP10R 1/4XP10L	1/4TTJ08	30	XC	2.43	23.3	25.3	12.9	8.6	6.5	5.2	3.4	2.6	0.59	0.39	0.30	0.24	11.9	7.9	5.9	4.8	3.2	2.4	0.54	0.36	0.27	0.22
		40	XC	2.80	25.3	28.3	13.7	9.1	6.8	5.5	3.7	2.7	0.63	0.42	0.31	0.25	12.2	8.2	6.1	4.9	3.3	2.4	0.56	0.37	0.28	0.22
		50	XC	3.13	28.3	30.3	13.7	9.1	6.8	5.5	3.6	2.7	0.63	0.42	0.31	0.25	12.8	8.5	6.4	5.1	3.4	2.6	0.59	0.39	0.29	0.23
		60	XC	3.42	29.3	32.3	14.4	9.6	7.2	5.8	3.9	2.9	0.66	0.44	0.33	0.26	13.1	8.7	6.6	5.2	3.5	2.6	0.60	0.40	0.30	0.24
1/4XP20R 1/4XP20L	1/4TTJ08	30	XC	4.19	26.3	27.3	19.7	13.1	9.9	7.9	5.3	3.9	0.90	0.60	0.45	0.36	19.0	12.7	9.5	7.6	5.1	3.8	0.87	0.58	0.43	0.35
		40	XC	4.80	30.3	31.3	19.6	13.1	9.8	7.8	5.2	3.9	0.90	0.60	0.45	0.36	19.0	12.7	9.5	7.6	5.1	3.8	0.87	0.58	0.43	0.35
		50	XC	5.39	32.3	33.3	21	13.8	10.3	8.3	5.5	4.1	0.95	0.63	0.47	0.38	20	13.4	10.0	8.0	5.3	4.0	0.92	0.61	0.46	0.37
		60	XC	5.98	33.3	35.3	22	14.8	11.1	8.9	5.9	4.4	1.0	0.68	0.51	0.41	21	14.0	10.5	8.4	5.6	4.2	0.96	0.64	0.48	0.38
1/4XP25R 1/4XP25L	1/4TTJ10	30	XC	5.13	27.3	30.3	23	15.5	11.6	9.3	6.2	4.7	1.1	0.71	0.53	0.43	21	14.0	10.5	8.4	5.6	4.2	0.96	0.64	0.48	0.38
		40	XC	6.00	30.3	32.3	25	16.3	12.3	9.8	6.5	4.9	1.1	0.75	0.56	0.45	23	15.3	11.5	9.2	6.1	4.6	1.1	0.70	0.53	0.42
		50	XC	6.62	32.3	33.3	25	16.9	12.7	10.1	6.8	5.1	1.2	0.77	0.58	0.46	25	16.4	12.3	9.8	6.6	4.9	1.1	0.75	0.56	0.45
		60	XC	7.22	33.3	35.3	27	17.9	13.4	10.7	7.2	5.4	1.2	0.82	0.61	0.49	25	16.9	12.7	10.1	6.7	5.1	1.2	0.77	0.58	0.46
1/2XP40R 1/2XP40L	1/4TTJ15	30	XC	8.36	29.3	32.3	35	24	17.7	14.1	9.4	7.1	1.6	1.1	0.81	0.65	32	21	16.0	12.8	8.5	6.4	1.5	0.98	0.73	0.59
		40	XC	9.50	31.3	34.3	38	25	18.8	15.0	10.0	7.5	1.7	1.1	0.86	0.69	34	23	17.1	13.7	9.1	6.9	1.6	1.0	0.78	0.63
		50	XC	10.8	33.3	35.3	40	27	20	16.1	10.7	8.0	1.8	1.2	0.92	0.74	38	25	18.9	15.1	10.1	7.6	1.7	1.2	0.87	0.69
		60	XC	11.8	35.3	38.3	41	28	21	16.5	11.0	8.3	1.9	1.3	0.95	0.76	38	25	19.1	15.3	10.2	7.6	1.7	1.2	0.87	0.70

 "R", "L"	CENTER NOZZLE "C" 	NOZZLE SPACING "X" = 30"																									
			DROP SIZE	CAPACITY THREE NOZZLES IN GPM	SPRAY WIDTH "W" (FEET)		HEIGHT = 24"										HEIGHT = 36"										
							GPA FOR THREE NOZZLES					GALLONS PER 1000 SQ. FT.					GPA FOR THREE NOZZLES					GALLONS PER 1000 SQ. FT.					
					24" HEIGHT	36" HEIGHT	4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH	4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH	
1/4XP10R 1/4XP10L	1/4TTJ06 (50)	30	XC	2.26	25.0	27.0	11.2	7.5	5.6	4.5	3.0	2.2	0.51	0.34	0.26	0.20	10.4	6.9	5.2	4.1	2.8	2.1	0.47	0.32	0.24	0.19	
		40	XC	2.60	27.0	30.0	11.9	7.9	6.0	4.8	3.2	2.4	0.55	0.36	0.27	0.22	10.7	7.2	5.4	4.3	2.9	2.1	0.49	0.33	0.25	0.20	
		50	XC	2.91	30.0	32.0	12.0	8.0	6.0	4.8	3.2	2.4	0.55	0.37	0.27	0.22	11.3	7.5	5.6	4.5	3.0	2.3	0.52	0.34	0.26	0.21	
		60	XC	3.17	31.0	34.0	12.7	8.4	6.3	5.1	3.4	2.5	0.58	0.39	0.29	0.23	11.5	7.7	5.8	4.6	3.1	2.3	0.53	0.35	0.26	0.21	
1/4XP20R 1/4XP20L	1/4TTJ06 (50)	30	XC	4.02	28.0	29.0	17.8	11.8	8.9	7.1	4.7	3.6	0.81	0.54	0.41	0.33	17.2	11.4	8.6	6.9	4.6	3.4	0.79	0.52	0.39	0.31	
		40	XC	4.60	32.0	33.0	17.8	11.9	8.9	7.1	4.7	3.6	0.81	0.54	0.41	0.33	17.3	11.5	8.6	6.9	4.6	3.5	0.79	0.53	0.39	0.32	
		50	XC	5.17	34.0	35.0	18.8	12.5	9.4	7.5	5.0	3.8	0.86	0.57	0.43	0.34	18.3	12.2	9.1	7.3	4.9	3.7	0.84	0.56	0.42	0.33	
		60	XC	5.73	35.0	37.0	20	13.5	10.1	8.1	5.4	4.1	0.93	0.62	0.46	0.37	19.2	12.8	9.6	7.7	5.1	3.8	0.88	0.59	0.44	0.35	
1/4XP25R 1/4XP25L	1/4TTJ08	30	XC	4.95	29.0	32.0	21	14.1	10.6	8.4	5.6	4.2	0.97	0.64	0.48	0.39	19.1	12.8	9.6	7.7	5.1	3.8	0.88	0.58	0.44	0.35	
		40	XC	5.80	32.0	34.0	22	15.0	11.2	9.0	6.0	4.5	1.0	0.68	0.51	0.41	21	14.1	10.6	8.4	5.6	4.2	0.97	0.64	0.48	0.39	
		50	XC	6.39	34.0	35.0	23	15.5	11.6	9.3	6.2	4.7	1.1	0.71	0.53	0.43	23	15.1	11.3	9.0	6.0	4.5	1.0	0.69	0.52	0.41	
		60	XC	6.98	35.0	37.0	25	16.5	12.3	9.9	6.6	4.9	1.1	0.75	0.57	0.45	23	15.6	11.7	9.3	6.2	4.7	1.1	0.71	0.53	0.43	
1/2XP40R 1/2XP40L	1/4TTJ10	30	XC	7.93	31.0	34.0	32	21	15.8	12.7	8.4	6.3	1.4	0.97	0.72	0.58	29	19.2	14.4	11.5	7.7	5.8	1.3	0.88	0.66	0.53	
		40	XC	9.00	33.0	36.0	34	23	16.9	13.5	9.0	6.8	1.5	1.0	0.77	0.62	31	21	15.5	12.4	8.3	6.2	1.4	0.94	0.71	0.57	
		50	XC	10.2	35.0	37.0	36	24	18.0	14.4	9.6	7.2	1.7	1.1	0.83	0.66	34	23	17.1	13.6	9.1	6.8	1.6	1.0	0.78	0.62	
		60	XC	11.2	37.0	40.0	37	25	18.7	15.0	10.0	7.5	1.7	1.1	0.86	0.69	35	23	17.3	13.9	9.2	6.9	1.6	1.1	0.79	0.63	
1/2XP80R 1/2XP80L	1/4TTJ15	30	XC	15.0	35.0	38.0	53	35	27	21	14.1	10.6	2.4	1.6	1.2	0.97	49	33	24	19.5	13.0	9.8	2.2	1.5	1.1	0.89	
		40	XC	17.5	37.0	40.0	59	39	29	23	15.6	11.7	2.7	1.8	1.3	1.1	54	36	27	22	14.4	10.8	2.5	1.7	1.2	0.99	
		50	XC	19.1	38.0	41.0	62	41	31	25	16.6	12.4	2.8	1.9	1.4	1.1	58	38	29	23	15.4	11.5	2.6	1.8	1.3	1.1	
		60	XC	21.0	40.0	42.0	65	43	32	26	17.3	13.0	3.0	2.0	1.5	1.2	62	41	31	25	16.5	12.4	2.8	1.9	1.4	1.1	

**Note:** Always double check your application rates.  
Tabulations are based on spraying water at 70°F (21°C).

 Very Fine
  Fine
  Medium
  Coarse
  Very Coarse
  Extremely Coarse






# TeeJet®

TeeJet Off-Center spray tips are commonly installed in double and single swivel nozzle bodies. Because these bodies are adjustable for angular position, a wide spray swath is easily obtained.



PART	DESCRIPTION	PRICE (B)
TPOC-**	Off Center Brass Tip	16.55
TPOC-**SS	Off Center Stainless Steel Tip	24.50

 		CAPACITY ONE NOZZLE IN GPM	HEIGHT = 18"					HEIGHT = 24"				
			"W" IN INCHES	U.S. GPA				"W" IN INCHES	U.S. GPA			
				3 MPH	4 MPH	5 MPH	6 MPH		3 MPH	4 MPH	5 MPH	6 MPH
TPOC01	30	0.087	58	3.0	2.2	1.8	1.5	65	2.7	2.0	1.6	1.3
TPOC01SS (100)	40	0.10	60	3.3	2.5	2.0	1.7	67	3.0	2.2	1.8	1.5
	60	0.12	62	3.8	2.9	2.3	1.9	69	3.4	2.6	2.1	1.7
TPOC02	30	0.17	68	5.0	3.7	3.0	2.5	75	4.5	3.4	2.7	2.2
TPOC02SS (50)	40	0.20	70	5.7	4.2	3.4	2.8	77	5.1	3.9	3.1	2.6
	60	0.24	72	6.6	5.0	4.0	3.3	78	6.1	4.6	3.7	3.0
TPOC03	30	0.26	77	6.7	5.0	4.0	3.3	80	6.4	4.8	3.9	3.2
TPOC03SS (50)	40	0.30	80	7.4	5.6	4.5	3.7	83	7.2	5.4	4.3	3.6
	60	0.37	82	8.9	6.7	5.4	4.5	85	8.6	6.5	5.2	4.3
TPOC04	30	0.35	91	7.6	5.7	4.6	3.8	93	7.5	5.6	4.5	3.7
TPOC04SS (50)	40	0.40	93	8.5	6.4	5.1	4.3	94	8.4	6.3	5.1	4.2
	60	0.49	94	10.3	7.7	6.2	5.2	95	10.2	7.7	6.1	5.1
TPOC06	30	0.52	99	10.4	7.8	6.2	5.2	108	9.5	7.2	5.7	4.8
TPOC06SS (50)	40	0.60	101	11.8	8.8	7.1	5.9	110	10.8	8.1	6.5	5.4
	60	0.73	102	14.2	10.6	8.5	7.1	111	13.0	9.8	7.8	6.5
TPOC08	30	0.69	100	13.7	10.2	8.2	6.8	110	12.4	9.3	7.5	6.2
TPOC08SS (50)	40	0.80	102	15.5	11.6	9.3	7.8	112	14.1	10.6	8.5	7.1
	60	0.98	104	18.7	14.0	11.2	9.3	113	17.2	12.9	10.3	8.6
TPOC12	30	1.04	102	20	15.1	12.1	10.1	113	18.2	13.7	10.9	9.1
TPOC12SS (50)	40	1.20	104	23	17.1	13.7	11.4	115	21	15.5	12.4	10.3
	60	1.47	105	28	21	16.6	13.9	116	25	18.8	15.1	12.5
TPOC16	30	1.39	132	21	15.6	12.5	10.4	142	19.4	14.5	11.6	9.7
TPOC16SS (50)	40	1.60	138	23	17.2	13.8	11.5	146	22	16.3	13.0	10.8
	60	1.96	143	27	20	16.3	13.6	148	26	19.7	15.7	13.1

## TurfJet® Wide Angle Flat Fan Spray Nozzles

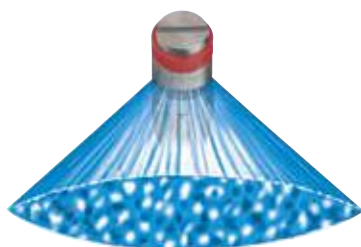


### Features:

- Very large droplets – excellent for drift control and applying systemic products.
- Large orifice reduces clogging.
- Nozzle spacing – 20-40 inches (50-100 cm).
- Spraying pressure – 25-75 PSI (1.5-5 bar).
- Available in both Poly and Stainless.
- Use with QJ46761/4-90 QJ Adapter.

PART	DESCRIPTION	PRICE (B)
TP1/4TTJ-**VP	TurfJet Poly Nozzle	13.30
TP1/4TTJ-**VS	TurfJet Stainless Nozzle	25.65

CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
—	EXCELLENT	EXCELLENT



	PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	40"								20"			
					GPA								GALLONS PER 1000 SQ. FT.			
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
1/4TTJ02 (50)	25	XC	0.16	20	5.9	4.8	4.0	3.0	2.4	2.0	1.6	1.2	0.54	0.36	0.27	0.22
	30	XC	0.17	22	6.3	5.0	4.2	3.2	2.5	2.1	1.7	1.3	0.58	0.39	0.29	0.23
	40	XC	0.20	26	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.68	0.45	0.34	0.27
	50	XC	0.22	28	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.75	0.50	0.37	0.30
	60	XC	0.24	31	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.82	0.54	0.41	0.33
1/4TTJ04 (50)	75	XC	0.27	35	10.0	8.0	6.7	5.0	4.0	3.3	2.7	2.0	0.92	0.61	0.46	0.37
	25	XC	0.32	41	11.9	9.5	7.9	5.9	4.8	4.0	3.2	2.4	1.1	0.73	0.54	0.44
	30	XC	0.35	45	13.0	10.4	8.7	6.5	5.2	4.3	3.5	2.6	1.2	0.79	0.60	0.48
	40	XC	0.40	51	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	1.4	0.91	0.68	0.54
	50	XC	0.45	58	16.7	13.4	11.1	8.4	6.7	5.6	4.5	3.3	1.5	1.0	0.77	0.61
1/4TTJ05 (50)	60	XC	0.49	63	18.2	14.6	12.1	9.1	7.3	6.1	4.9	3.6	1.7	1.1	0.83	0.67
	75	XC	0.55	70	20	16.3	13.6	10.2	8.2	6.8	5.4	4.1	1.9	1.2	0.94	0.75
	25	XC	0.40	51	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	1.4	0.91	0.68	0.54
	30	XC	0.43	55	16.0	12.8	10.6	8.0	6.4	5.3	4.3	3.2	1.5	0.97	0.73	0.58
	40	XC	0.50	64	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	1.7	1.1	0.85	0.68
1/4TTJ06 (50)	50	XC	0.56	72	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	1.9	1.3	0.95	0.76
	60	XC	0.61	78	23	18.1	15.1	11.3	9.1	7.5	6.0	4.5	2.1	1.4	1.0	0.83
	75	XC	0.68	87	25	20	16.8	12.6	10.1	8.4	6.7	5.0	2.3	1.5	1.2	0.92
	25	XC	0.47	60	17.4	14.0	11.6	8.7	7.0	5.8	4.7	3.5	1.6	1.1	0.80	0.64
	30	XC	0.52	67	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	1.8	1.2	0.88	0.71
1/4TTJ08	40	XC	0.60	77	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	2.0	1.4	1.0	0.82
	50	XC	0.67	86	25	19.9	16.6	12.4	9.9	8.3	6.6	5.0	2.3	1.5	1.1	0.91
	60	XC	0.73	93	27	22	18.1	13.6	10.8	9.0	7.2	5.4	2.5	1.7	1.2	0.99
	75	XC	0.82	105	30	24	20	15.2	12.2	10.1	8.1	6.1	2.8	1.9	1.4	1.1
	25	XC	0.63	81	23	18.7	15.6	11.7	9.4	7.8	6.2	4.7	2.1	1.4	1.1	0.86
1/4TTJ10	30	XC	0.69	88	26	20	17.1	12.8	10.2	8.5	6.8	5.1	2.3	1.6	1.2	0.94
	40	XC	0.80	102	30	24	19.8	14.9	11.9	9.9	7.9	5.9	2.7	1.8	1.4	1.1
	50	XC	0.89	114	33	26	22	16.5	13.2	11.0	8.8	6.6	3.0	2.0	1.5	1.2
	60	XC	0.98	125	36	29	24	18.2	14.6	12.1	9.7	7.3	3.3	2.2	1.7	1.3
	75	XC	1.10	141	41	33	27	20	16.3	13.6	10.9	8.2	3.7	2.5	1.9	1.5
1/4TTJ15	25	XC	0.79	101	29	23	19.6	14.7	11.7	9.8	7.8	5.9	2.7	1.8	1.3	1.1
	30	XC	0.87	111	32	26	22	16.1	12.9	10.8	8.6	6.5	3.0	2.0	1.5	1.2
	40	XC	1.00	128	37	30	25	18.6	14.9	12.4	9.9	7.4	3.4	2.3	1.7	1.4
	50	XC	1.12	143	42	33	28	21	16.6	13.9	11.1	8.3	3.8	2.5	1.9	1.5
	60	XC	1.22	156	45	36	30	23	18.1	15.1	12.1	9.1	4.1	2.8	2.1	1.7
	75	XC	1.37	175	51	41	34	25	20	17.0	13.6	10.2	4.7	3.1	2.3	1.9
	25	XC	1.19	152	44	35	29	22	17.7	14.7	11.8	8.8	4.0	2.7	2.0	1.6
	30	XC	1.30	166	48	39	32	24	19.3	16.1	12.9	9.7	4.4	2.9	2.2	1.8
	40	XC	1.50	192	56	45	37	28	22	18.6	14.9	11.1	5.1	3.4	2.6	2.0
	50	XC	1.68	215	62	50	42	31	25	21	16.6	12.5	5.7	3.8	2.9	2.3
	60	XC	1.84	236	68	55	46	34	27	23	18.2	13.7	6.3	4.2	3.1	2.5
	75	XC	2.05	262	76	61	51	38	30	25	20	15.2	7.0	4.6	3.5	2.8

# Quick TeeJet® Caps

**Colour Code**

1	2	3	4	5	6	7	8	9	10	11	12	13
Black	White	Red	Blue	Green	Yellow	Brown	Orange	Gray	Violet	Lt. Blue	Telemagenta	Lt. Green

**Ordering Information** – Specify Colour Code When Ordering

QUICK TEEJET CAPS	PART NUMBER	PRICE(B)	FOR USE WITH THESE SPRAY TIPS
	CP114440-*-CE	1.10	<b>TeeJet® Flat Spray Tips (Smaller Capacities)</b>  TP Standard -0067 to -08  DG TeeJet®  XR -01 to -08  TurboTeeJet® -01 to -08  Turbo TwinJet®  OC TeeJet®  AIXR TeeJet® -015 to -06
	QJ25611-9PP	1.40	
	QJ25609-*	1.25	<b>TeeJet Flat Spray Tips (Larger Capacities)</b>  TP Standard -10 to -20  XR -10 to -15
	CP114442-*-CE	1.25	 TJ60 TwinJet®  AI TeeJet® and AIUB TeeJet®  AI Turbo TwinJet® -02 to -06  Turbo TeeJet® Induction -015 to -06  DG TwinJet®  SJ3 StreamJet  AIXR TeeJet® -08 to -10
	CP114501-*-CE	2.10	 AI Turbo TwinJet® -08 to -15  Turbo TeeJet® Induction -08 to -10  Turbo TeeJet® -10 to -12
	QJ98578-1NY	2.05	 AI3070
	QJ25599-*	1.25	 Turbo FloodJet®  TK-VP FloodJet®  TK-VS FloodJet®  Locating Nib
	CP114444-*-CE	1.25	 TK FloodJet®  FL FullJet®  TX/TXA ConeJet®  TG Full Cone  Hose Shank
	QJ25607-9PP	1.40	
	CP114444-*-CE	1.25	 Disc  Core  Seal  CP18999-EPR  Disc-Core (Insert Core into Seal)
	QJ26277-1	1.30	 Ceramic Disc-Core  D-Disc  Core

**NOTE:** Certain colours are non-stock. Cap CP114501-\*-CE stocked in white, light blue, Telemagenta, and light green only.



QJ19438EPR



QJ18999EPR

### Tip Gaskets

PART	DESCRIPTION	PRICE (B)
QJ19438EPR	Standard Gasket	.75
QJ18999EPR	Disc and Core Gasket*	1.60

Note: \*Use with 4916 orifice



### Quick-Jet Adapter

Permits use of standard 1/8" and 1/4" nozzles. Can be used for mounting pressure gauge at the nozzle.

- 1/4" NPT female.

PART	DESCRIPTION	PRICE (B)
QJ46761/4	With Gasket	3.50
QJ46761/4-45	45° - Without Gasket	6.65
QJ46761/4-90	90° - Without Gasket	6.65



QJ19843



QJ90-1



QJ90

Different cap configurations for shut-off function, right angle spray tip positioning, or split dual nozzle set-up.



### Male Nozzle Bodies

PART	DESCRIPTION	PRICE (B)
1322	Brass 1/4"	3.50
1336	Brass 1/8"	3.50
8028NY	Nylon 1/4"	2.50



### Poly Nozzle Strainers

PART	DESCRIPTION	PRICE (B)
8079-50	50M	1.80
8079-100	100M	1.80

Note: No check valve



### Nylon Swivels

PART	DESCRIPTION	PRICE (B)
86001/4T	1/4" Female Inlet	13.15
86002	1/4" Female Inlet	15.90

### Round Clamp Sub Assemblies

PART	DESCRIPTION	PRICE (B)
111-1/2	1/2"	6.85
111-3/4	3/4"	6.85
111-1	1"	6.85
111-11/4	1 1/4"	11.45



### Female Nozzle Bodies

PART	DESCRIPTION	PRICE (B)
1321	Brass 1/4"	3.50
1335	Brass 1/8"	3.50
12094	Nylon 1/4"	2.45



### 4193A Series Check Valves

- 5 PSI Standard
- 10 PSI Optional

PART	DESCRIPTION	PRICE (B)
4193A24PP	Poly - 24 M	5.95
4193A50PP	Poly - 50 M	5.95
4193A100PP	Poly - 100 M	5.95
4193A200PP	Poly - 200 M	5.95
4193A50	Brass - 50 M	7.45
4193A100	Brass - 100 M	7.45
4193A200	Brass - 200 M	7.45



### Brass Swivel Outlet

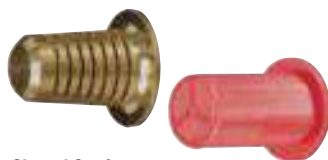
PART	DESCRIPTION	PRICE (B)
50001/4T	1/4" Female Inlet - Single Swivel	27.40
420221/4T	1/4" Female Inlet - Double Swivel	37.15

420221/4T - While Quantities Last



### Nozzle Cap 11/16" Threads

PART	DESCRIPTION	PRICE (B)
1325	Brass	2.15
8027NY-1	Nylon - Deep Cap	1.85
8027NY	Nylon	1.45



### Slotted Strainers

PART	DESCRIPTION	PRICE (B)
19845-50	Poly - 50 Mesh	2.30
451410	Brass - 50 Mesh	2.05
451410NY	Nylon - 50 Mesh	1.95
451420	Brass - 25 Mesh	2.05
451432	Brass - 16 Mesh	2.05
451432NY	Nylon - 16 Mesh	1.95



### Female Nozzle Adapters

PART	DESCRIPTION	PRICE (B)
46761/4	Brass 1/4"	4.40
46761/8	Brass 1/8"	4.40
46761/4NY	Nylon 1/4"	3.60
46761/8NY	Nylon 1/8"	3.60



### Discs and Cores

Use discs with core for hollow cone spray.

PART	DESCRIPTION	PRICE (B)
D*VP	Poly Disc (Sizes 2-8)	1.50
D*SS	SS Disc (Sizes 2-12)	2.10
#*	Brass Core	4.05

### Diaphragm Shut-Off

PART	DESCRIPTION	PRICE (B)
83601/4NY	1/4" Inlet, 11/16" Outlet	25.45



### Standard End Cap Sub-Assembly

PART	DESCRIPTION	PRICE (B)
21950-10	Standard 10 PSI Sub Assembly	5.60

\* Also available in 2, 8, 15 and 20 PSI



### Brass Nozzle Strainers

PART	DESCRIPTION	PRICE (B)
505350	50M	4.45
5053100	100M	4.45

Note: No check valve



### Nylon Hose Shanks

PART	DESCRIPTION	PRICE (B)
K8414	1/4"	.65
K8438	3/8"	.65
K8412	1/2"	.70

Note: Use with nozzle caps



### Metering Orifice

PART	DESCRIPTION	PRICE (B)
4916-**	Stainless	4.55

For detailed information on Metering Orifices, please refer to our spray tip section at front of catalogue.

### QJ Diaphragm EPDM

PART	DESCRIPTION	PRICE (B)
21953EPR	Fits QJ17560, QJ360, 836	.70
21953VI	Viton Diaphragm	2.20



# Gauges



## 2 1/2" Dry Gauge

- Plastic case (ABS)
- 2 1/2" diameter
- Bronze bourdon tube
- Brass socket
- Glass window
- Metal pointer
- Built-in restrictor
- 1/4" NPTM bottom mount

PART	DESCRIPTION	PRICE (E)
PG25030	30 PSI	6.30
PG25060	60 PSI	6.30
PG25100	100 PSI	6.30
PG25160	160 PSI	6.30
PG25200	200 PSI	6.30
PG25300	300 PSI	6.30
PG25400	400 PSI	6.30
PG25600	600 PSI	6.30
PG251000	1000 PSI	6.30



## 2 1/2" Liquid Filled Gauge

- 2 1/2" diameter
- Stainless steel case
- Metal pointer
- Liquid filled
- Bronze bourdon tube
- Brass socket
- Glass window
- Restrictor
- 1/4" NPTM bottom mount

PART	DESCRIPTION	PRICE (E)
PG0060	60 PSI	14.15
PG0100	100 PSI	14.15
PG0160	160 PSI	14.15
PG0300	300 PSI	14.15
PG0600	600 PSI	14.15
PG1000	1000 PSI	14.15
PG2000	2000 PSI	14.15
PG3000	3000 PSI	14.15
PG5000	5000 PSI	14.15
PG10000	10000 PSI	14.15



## Rear Mount Liquid Gauge

- 2 1/2" diameter
- Stainless steel case
- Metal pointer
- Liquid filled
- Bronze bourdon tube
- Brass socket
- Glass window
- Restrictor
- 1/4" NPTM bottom mount

PART	DESCRIPTION	PRICE (E)
PG0060R	60 PSI	14.15
PG0160R	160 PSI	14.15



## 4" Dry Ammonia

- 316 Stainless steel movement
- 316 Stainless steel bourdon tube
- White aluminum dial
- Acrylic window
- Enameled steel case
- Stainless steel 1/4" MPT connection
- Stainless steel wetted parts

PART	DESCRIPTION	PRICE (E)
PG4AM-060	60 PSI Dry Ammonia Gauge	29.55
PG4AM-160	160 PSI Dry Ammonia Gauge	29.55



## 2 1/2" & 4" All Stainless Liquid Gauges

Designed for use with any medium not corrosive to stainless steel. Liquid-filled for reduced shock and needle vibration.

- 304 stainless steel case
- 316 stainless steel Bourdon tube
- All wetted parts stainless steel
- 1/4" MPT 316 stainless steel mount
- White aluminum face
- Polycarbonate lens
- Single scale face plate in PSI only

PART	DESCRIPTION	PRICE (E)
PGSS0060	2 1/2" 60 PSI All Stainless	53.55
PGSS0100	2 1/2" 100 PSI All Stainless	53.55
PG4-060-SS	4" 60 PSI All Stainless	99.25
PG4-100-SS	4" 100 PSI All Stainless	99.25
PG4-160-SS	4" 160 PSI All Stainless	99.25

Other pressure ranges available by special order; please inquire.



## 1/8" Nylon Gauge Tube Union

PART	DESCRIPTION	PRICE (E)
1182	1/8" X 1/8" Gauge Tube Union	6.80



## 4" Liquid Gauge

- 304 stainless steel case
- Bronze tube
- Brass stem and internals
- White enameled aluminum dial face
- Black enameled aluminum pointer
- Acrylic window
- Liquid filled
- Built-in restrictor

PART	DESCRIPTION	PRICE (E)
PG4-030	30 PSI Liquid Gauge 4"	48.30
PG4-060*	60 PSI Liquid Gauge 4"	48.30
PG4-100*	100 PSI Liquid Gauge 4"	48.30
PG4-160*	160 PSI Liquid Gauge 4"	48.30
PG4-200	200 PSI Liquid Gauge 4"	48.30
PG4-300	300 PSI Liquid Gauge 4"	48.30
PG4-400	400 PSI Liquid Gauge 4"	48.30
PG4-600	600 PSI Liquid Gauge 4"	57.80
PG4-1000	1000 PSI Liquid Gauge 4"	57.80
PG4-1500	1500 PSI Liquid Gauge 4"	48.30
PG4-2000	2000 PSI Liquid Gauge 4"	57.90
PG4-3000	3000 PSI Liquid Gauge 4"	57.80
PG4-5000	5000 PSI Liquid Gauge 4"	57.80
PG4-6000	6000 PSI Liquid Gauge 4"	57.80
PG4-10000	10000 PSI Liquid Gauge 4"	48.30

\* Denotes regular stocked item.

## 4" Dry Gauge

- Dual scale
- Steel black painted case
- Copper bourdon tube
- 1/4" MPT brass mount
- White aluminum face
- Acrylic lens

PART	DESCRIPTION	PRICE (E)
PG4DRY-60	4" 60 PSI Dry Gauge	14.00
PG4DRY-100	4" 100 PSI Dry Gauge	14.00
PG4DRY-160	4" 160 PSI Dry Gauge	14.00



## Pressure Gauge Hose

PART	DESCRIPTION	PRICE/FT. (F)
1/8TUBING	1/8"	.50



#### QJ100 Series Nozzle Bodies – No Check Valve

PART	DESCRIPTION	PRICE (B)
QJ18635-3/8	3/8" Hose Barb – Elbow	6.00
QJ18638-1/2	1/2" Hose Barb – Elbow	6.00
QJ18719-3/4	3/4" Hose Barb – Elbow	6.00
QJ18636-3/8	3/8" Hose Barb – Tee	6.00
QJ18639-1/2	1/2" Hose Barb – Tee	6.00
QJ18720-3/4	3/4" Hose Barb – Tee	6.00
QJ18637-3/8	3/8" Hose Barb – Triple	6.00
QJ18640-1/2	1/2" Hose Barb – Triple	6.00
QJ18721-3/4	3/4" Hose Barb – Triple	6.00



#### QJ200 Series Nozzle Bodies w/ Check Valve

PART	DESCRIPTION	PRICE (B)
QJ19349-3/8	3/8" Hose Barb – Elbow	14.85
QJ19349-1/2	1/2" Hose Barb – Elbow	14.85
QJ19349-3/4	3/4" Hose Barb – Elbow	14.85
QJ19350-3/8	3/8" Hose Barb – Tee	14.85
QJ19350-1/2	1/2" Hose Barb – Tee	14.85
QJ19350-3/4	3/4" Hose Barb – Tee	14.85
QJ19351-3/8	3/8" Hose Barb – Triple	14.85
QJ19351-1/2	1/2" Hose Barb – Triple	14.85
QJ19351-3/4	3/4" Hose Barb – Triple	14.85



#### Push To Connect QJ Body & Cap w/ Check Valve

- Used with systems utilizing 1/4" semi-rigid low density poly tubing.
- Cap and body combination.
- 10 PSI (0.69 bar) check valve.
- Different configurations available; please call for more information.

PART	DESCRIPTION	PRICE (B)
QJ98595-1/4-10	Body / Cap combination	25.80



#### QJ222 Series Diaphragm Nozzle Bodies

PART	DESCRIPTION	PRICE (B)
QJ22251-311-3/8	3/8" Hose Barb – Elbow	12.25
QJ22251-311-1/2	1/2" Hose Barb – Elbow	12.25
QJ22251-311-3/4	3/4" Hose Barb – Elbow	12.25
QJ22252-312-3/8	3/8" Hose Barb – Tee	12.25
QJ22252-312-1/2	1/2" Hose Barb – Tee	12.25
QJ22252-312-3/4	3/4" Hose Barb – Elbow	12.25



#### Diaphragm Check Valve

PART	DESCRIPTION	PRICE (B)
QJ8360-1/4	1/4" Male NPT x QJ	7.50
QJT8360	11/16" Female Cap Thread x QJ	8.15



#### 45° QJ Nozzle Body

PART	DESCRIPTION	PRICE (B)
QJ226741/4	1/4" Male NPT x QJ	4.30



#### QJ Swivels

PART	DESCRIPTION	PRICE (B)
QJ86001/4NY	Single Swivel – 1/4" FNPT x QJ	10.95
QJ86002NY	Double Swivel – 1/4" FNPT x QJ	13.15



#### QJ Nozzle Bodies

PART	DESCRIPTION	PRICE (B)
QJ1/4T	1/4" Female NPT x QJ	4.20
QJ1/4TT	1/4" Male NPT x QJ	4.20



#### QJ Adapter

- Converts standard nozzle body to Quick TeeJet.
- Comes complete with gasket.

PART	DESCRIPTION	PRICE (B)
QJTNYB	11/16" Female Cap Thread x QJ	7.65



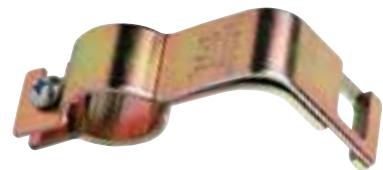
#### Square Vari-Spacing Boom Clamps

PART	DESCRIPTION	PRICE (B)
QJ111SQ-3/4	3/4" Clamp	4.05
QJ111SQ-1	1" Clamp	4.05
QJ111SQ-11/4	1 1/4" Clamp	4.05
QJ111SQ-11/2	1 1/2" Clamp	4.05
QJ111SQ-3/4SS	3/4" Clamp – Stainless*	8.85
QJ111SQ-1SS	1" Clamp – Stainless*	8.85
QJ111SQ-11/4SS	1 1/4" Clamp – Stainless*	8.85
QJ111SQ-11/2SS	1 1/2" Clamp – Stainless*	8.85

\*NOTE: Stainless Steel clamps are special order.

#### Round Vari-Spacing Clamps

PART	DESCRIPTION	PRICE (B)
QJ111-1/2	1/2" Clamp	4.05
QJ111-3/4	3/4" Clamp	4.05
QJ111-1	1" Clamp	4.05
QJ111-11/4	1 1/4" Clamp	4.05



#### Round High Clearance 3/4" Vari-Spacing Clamp

PART	DESCRIPTION	PRICE (B)
QJ111HP3/4	3/4" Clamp – High Clearance	15.45



### QJ 360 Series Dry Boom Nozzle Bodies

- Dry boom to fit ½", ¾", or 1" ID hose.

PART	DESCRIPTION	PRICE (B)
<b>Three Nozzle Series</b>		
QJ363-1/2-1-NYB	½" Elbow – 3 Nozzle	26.25
QJ363-1/2-2-NYB	½" Tee – 3 Nozzle	26.95
QJ363-3/4-1-NYB	¾" Elbow – 3 Nozzle	26.25
QJ363-3/4-2-NYB	¾" Tee – 3 Nozzle	26.95
QJ363-1-1-NYB	1" Elbow – 3 Nozzle	26.25
QJ363-1-2-NYB	1" Tee – 3 Nozzle	26.95
<b>Five Nozzle Series</b>		
QJ365-1/2-1-NYB	½" Elbow – 5 Nozzle	26.25
QJ365-1/2-2-NYB	½" Tee – 5 Nozzle	26.95
QJ365-3/4-1-NYB	¾" Elbow – 5 Nozzle	26.25
QJ365-3/4-2-NYB	¾" Tee – 5 Nozzle	26.95
QJ365-1-1-NYB	1" Elbow – 5 Nozzle	26.25
QJ365-1-2-NYB	1" Tee – 5 Nozzle	26.95



### QJ 360 Series Wet Boom Nozzle Bodies

- Wet boom to fit ¾" or 1" pipe.

PART	DESCRIPTION	PRICE (B)
QJ363-3/4	¾" – 3 Nozzle	22.55
QJ363-1	1" – 3 Nozzle	22.55
QJ364-3/4	¾" – 4 Nozzle	22.55
QJ364-1	1" – 4 Nozzle	22.55
QJ365-3/4	¾" – 5 Nozzle	22.55
QJ365-1	1" – 5 Nozzle	22.55



### Triple Nozzle Wet Boom Bodies

PART	DESCRIPTION	PRICE (B)
QJ24216-1/2	½" Boom Triple Nozzle	31.00
QJ24216-3/4	¾" Boom Triple Nozzle	31.00
QJ24216-1	1" Boom Triple Nozzle	31.00



### QJ 370 Series Compact Dry Boom Compact Nozzle Bodies

- New compact, high flow body style.
- Dry boom to fit ½", ¾" or 1" ID hose.

PART	DESCRIPTION	PRICE (B)
<b>Three Nozzle Series</b>		
QJ373-500-1NYB	½" Elbow – 3 Nozzle	24.55
QJ373-500-2NYB	½" Tee – 3 Nozzle	25.25
QJ373-750-1NYB	¾" Elbow – 3 Nozzle	24.55
QJ373-750-2NYB	¾" Tee – 3 Nozzle	25.25
QJ373-1000-1NYB	1" Elbow – 3 Nozzle	24.55
QJ373-1000-2NYB	1" Tee – 3 Nozzle	25.25
<b>Five Nozzle Series</b>		
QJ375-500-1NYB	½" Elbow – 5 Nozzle	24.55
QJ375-500-2NYB	½" Tee – 5 Nozzle	25.25
QJ375-750-1NYB	¾" Elbow – 5 Nozzle	24.55
QJ375-750-2NYB	¾" Tee – 5 Nozzle	25.25
QJ375-1000-1NYB	1" Elbow – 5 Nozzle	24.55
QJ375-1000-2NYB	1" Tee – 5 Nozzle	25.25



### QJ 370 Series Compact Wet Boom Nozzle Bodies

- New compact, high flow body style.
- Wet boom to fit ¾" or 1" pipe.

PART	DESCRIPTION	PRICE (B)
QJ373-3/4-NYB	¾" – 3 Nozzle	20.80
QJ373-1-NYB	1" – 3 Nozzle	20.80
QJ375-3/4-NYB	¾" – 5 Nozzle	20.80
QJ375-1-NYB	1" – 5 Nozzle	20.80



### Triple Nozzle Dry Boom Bodies w/ Check Valve

PART	DESCRIPTION	PRICE (B)
QJ242302-1/2	½" Hose Barb – Tee	31.85
QJ242302-3/4	¾" Hose Barb – Tee	31.85
QJ242301-1/2	½" Hose Barb - Elbow	31.85
QJ242301-3/4	¾" Hose Barb - Elbow	31.85



**NEW!**

Sample image only; final product configuration may vary.

### QJS Series Multiple Outlet Nozzle Bodies

The QJS nozzle body utilizes a modular design that allows for highly customized solutions to best fit your sprayer and spraying application needs. Choose the boom size, inlet position, outlet arrangement and tip shutoff mechanism that works best.

- Multiple-outlet, stackable nozzle body is ideal for mounted, trailed and self-propelled sprayers.
- Wet boom configuration offered with choice of bottom or side inlet in five different boom diameters (½", ¾", 1", 20mm and 25mm); dry boom version also available in three sizes (½", ¾", 1"). Wetted parts are nylon and Viton.
- Can be equipped with any combination of TeeJet ChemSaver® tip shutoffs including pneumatic, electric, manual or spring-loaded check valve.
- Choose from one to four outlets in a variety of configurations. **CALL US FOR ORDERING OPTIONS!**



### QJ17560 Series Nozzle Bodies w/ Check Valve

- Requires 10 PSI to open check valve, 300 PSI max.
- EPDM diaphragm.
- ½" and ¾" include hole in upper clamp for mounting to flat surfaces (drill ⅜" hole to mount).

PART	DESCRIPTION	PRICE (B)
QJ17560-1/2	½" Boom Nozzle Body	6.50
QJ17560-3/4	¾" Boom Nozzle Body	6.50
QJ17560-1	1" Boom Nozzle Body	6.50



### QJ7421 Series Nozzle Bodies – No Check Valve

PART	DESCRIPTION	PRICE (B)
QJ7421-1/2	½" Boom Nozzle Body	6.25
QJ7421-3/4	¾" Boom Nozzle Body	6.25
QJ7421-1	1" Boom Nozzle Body	6.25





# TEEJET 744E WITH 430 MANIFOLD SPRAYER CONTROL SYSTEM

The TeeJet Technologies 744E Sprayer Controller is perfect for converting hitched sprayers and small-size trailer sprayers from manual valves to electric ball valves. The 744E is available as a complete kit equipped with a back-lit pressure gauge, active boom section LED indicator, and cable kit.

The 430 Ball Valve Manifold (ordered separately) is an ideal match for the 744E and is available with a wide variety of inlet and outlet fittings to work perfectly with your sprayer.

#### Features:

- Choice of 3- or 5- switch 744E Controller
- Compatible with 430 Manifold, including Regulating Valve, 3-Way Ball Valves, Pressure Relief Valve and Strainer
- Back-lit pressure gauge for easy viewing in low light conditions
- Dual scale, 100 PSI (7 bar) pressure gauge
- LED indication of active boom sections
- Kit includes harness for TeeJet 430 Ball Valve



5-Section Controller Console (90-50255) shown

#### 744E Console Kits

- Available in 3 and 5 switch models
- 430 DIN Harness with battery connection
- Valves and fittings sold separately

PART	DESCRIPTION	PRICE (B)
90-50255	744E Console w/ 5-Section configuration	1001.10
90-50254	744E Console w/ 3-Section configuration	863.50

#### How To Order A Complete 744E Series Controller with 430 Series Manifold System:

1. Choose either the 5-section or 3-section 744E Controller Console
2. Choose the corresponding 5-section or 3-section Valve Manifold
3. Choose your Inlet Fittings (2 required for manifold set-up)
4. Choose your Outlet Fittings (3 or 5 required depending on manifold)
5. Choose your Bypass Fittings (2 required for manifold set-up)
6. Optionally choose the Chemical Isolator Kit

#### TeeJet 430 Series Valve Manifold Fittings

Inlet Fittings (2 Required)		
PART	DESCRIPTION	PRICE(B)
58456-3/4	¾ Female NPT Quick Connect Kit	25.80
58456-1	1" Female NPT Quick Connect Kit	25.80
58456-1/4	¼" Female NPT Gauge Port Large QC Kit	25.80
58456-C	Large Quick Connect Cap Kit	25.80
58456-1000	1" Straight Hose Barb Large QC Kit	25.80
58456-1-1/4	1 ¼" Female NPT Quick Connect Kit	25.80

NOTE: "58456" Series Fittings also available in 1 ¼" & 1 ½" FNPT and 1 ¼", 1 ½", & 2" Hose Barb

Outlet Fittings (3 or 5 Required)		
PART	DESCRIPTION	PRICE(B)
45529-1/2	½" Straight Hose Barb Quick Connect Kit	13.35
45529-3/4	¾" Straight Hose Barb Quick Connect Kit	13.35
45529-1	1" Straight Hose Barb Quick Connect Kit	13.35
45529-90-1/2	½" 90° Hose Barb Quick Connect Kit	13.35
45529-90-3/4	¾" 90° Hose Barb Quick Connect Kit	13.35
45529-90-1	1" 90° Hose Barb Quick Connect Kit	13.35

Bypass Flow Fittings (2 Required*)		
PART	DESCRIPTION	PRICE(B)
45529P	Quick Connect Plug	13.35
45529-90-1	1" 90° Quick Connect Kit	13.35
45529-1	1" Quick Connect Kit	13.35

NOTE: \*MUST order plug (1) and hose barb (1) when using Flow Back or 3-Way section valves

Optional Components		
PART	DESCRIPTION	PRICE(E)
2300	Chemical Isolator Kit	103.75



3-Section 430 Series Valve Manifold (98600-B-433EC-2) shown

#### TeeJet 430 Series Valve Manifolds

- Available in 3 and 5 Section models
- All valve manifolds include regulating valve (1 RPM), section valves, relief valve, and strainer.
- Inlet, Outlet, and Bypass Flow fittings sold separately.

PART	DESCRIPTION	PRICE (B)
98600-B-435EC-2	430 Series 2-Way, 5-Section Valve Manifold	2207.80
98600-B-433EC-2	430 Series 2-Way, 3-Section Valve Manifold	1619.35





# MATRIX® 430

## GUIDANCE. SIMPLIFIED.

### ACCURACY

Correction Type	Pass-to-Pass Accuracy	Year-to-Year Repeatability
Autonomous	+/- 12-18 in / 30-45 cm	+/- 3 ft / 1 m
SBAS	+/- 6-10 in / 15-25 cm *Also Referred to as Sub-Meter	+/- 3 ft / 1 m

*The compact Matrix 430 is an easy to use, low cost, graphical guidance system ideal for first-time users. The full-colour touchscreen display allows the operator to efficiently navigate fields with minimal skips and overlaps in coverage.*

#### Matrix 430 Features and Benefits:

- High-contrast, full-colour, 4.3 inch (110 mm) graphic touchscreen display provides superior visibility in bright light conditions.
- High-Quality, internal GPS/GLONASS engine with ClearPath technology that enhances GNSS performance in areas where reception is poor or in regions where SBAS differential correction is not readily available.
- Optional RXA-30 antenna provides improved reception and noise rejection for situations where GNSS signals may be weak or partially obstructed.
- Minimal setup needed before operating.
- Guidance modes include: Straight AB, Curved AB, Circle Pivot, and Last Pass.
- Return-to-point feature allows operator to easily resume jobs or mark field hazards.
- Border function allows for easy and precise measurement of field area.
- Applied alert provides operator with audible alarm when entering into previously applied areas.
- Simple reporting function provides coverage reports in .KML or .PDF format downloaded via USB port.

#### How To Order – Choose 430 Package with either the Patch or the RXA-30 Antenna

PART	DESCRIPTION	PRICE(H)
GD430-GLO-P-L	Matrix 430 Kit – includes Console, GPS Patch Antenna, and US lighter power cable.	2047.55
GD430-GLO-R30-L	Matrix 430 Kit – includes Console, RXA-30 Antenna, and US lighter power cable.	2576.00

#### Accessories for Matrix 430

PART	DESCRIPTION	PRICE(H)
CG430-GLO	Console, Matrix 430, GLONASS	1702.10
45-05645	Cable, Power, US Lighter Adapter	145.60
78-50190	Antenna, GPS Patch L1 with GLONASS	278.35
90-02720	Kit, RXA-30 Antenna with 20 ft (6 meter) Cable	775.20
90-02721	Kit, RXA-30 Antenna with 30 ft (9 meter) Cable	834.05

RXA-30 ANTENNA



PATCH ANTENNA



#### Mid-Tech 744 Control Box

- Kit comes complete with control box, all hardware, 244 Regulator, Liquid Gauge, and three 144A valves.
- Control box features lighted pressure gauge for night use and heavy-duty switches with LED indicators.

PART	DESCRIPTION	PRICE
90-50163	Complete Spray Control Kit w/ 144A valves.	738.00(H)
PARTS		
51-20008	Liquid Gauge – 100 PSI	14.15(E)
75-50033	Console only	358.70(H)
90-50149	Console, Bracket, Wires	413.95(H)



Power Supply Cable

Extension Cable



#### Replacement Wire Harness

- Use with 734/744 controller.

PART	DESCRIPTION	PRICE (F)
45-20100	Power Cable	50.15
45-20091	Extension Cable 8'	71.95
45-20079	Extension Cable 15'	123.45
45-20090	Box to Valves Cable 8'	70.10
45-20089	Box to Valves Cable 15'	125.25
45-20088	Box to Valves Cable 18'	240.20

Note: \*Not shown



#### Aluminum Selector Valve

For manual selective control of 3-section boom sprayers at pressures up to 300 PSI.

- 1" Female NPT inlet and three 3/4" Female NPT outlets along with a 1/4" FNPT gauge port.
- 3/4" FNPT side connection for by-pass and pressure relief valve or for spray gun connection.
- Aluminum construction with stainless steel and plastic internal parts for maximum corrosion resistance.

PART	DESCRIPTION	PRICE (B)
17Y	Selector Valve	195.40
AB17	Repair Kit for 17Y Valve	55.70



#### Banjo 3" On/Off Valve

- Female NPT or Manifold style.
- Stainless steel hardware.
- Fiberglass reinforced polypropylene.
- Glass reinforced PTFE seats.
- FKM (Viton type) or EPDM O-rings.
- 12-Volt DC operated.
- 100 PSI maximum pressure @ 70°F.
- Internally fused/automatic reset.

PART	DESCRIPTION	PRICE (C)
EV300FP	3" FNPT, 12 Volt, 3 Sec., 3 Wire	2792.95
MEV300CF	3" Manifold, 12 V, 3 Sec., 3 Wire	2792.95



#### Banjo 12 V Valve

- 4 second delay.

PART	DESCRIPTION	PRICE (C)
EV075	3/4"	662.00
EV100FP	1"	662.00
EV125	1 1/4"	662.00



#### Banjo 12 V Valve

- 4 second delay.

PART	DESCRIPTION	PRICE (C)
EV150	1 1/2"	970.35
EV204FP	2" - Full Port	1024.25



#### 450 Series Manifold Shut-Off Valve

- 2-Way manifold-style shut-off valve w/ 1" Female NPT outlet port.
- 0.7 Second shut-off. Flying leads.
- Sold in 1, 3, and 5 gang configurations.

PART	DESCRIPTION	PRICE (B)
451BEC-24-C	1 Manifold Valve	457.10
453BEC-24-C	3 Manifold Valve	1428.35
455BEC-24-C	5 Manifold Valve	2357.35



#### Poly Relief Valves

- Stainless steel spring.
- 1/4" blind port for pressure gauge to be drilled by customer.
- Up to 150 PSI.

PART	DESCRIPTION	PRICE (B)
23120-1/2	1/2"	51.60
23120-3/4	3/4"	51.60
AB23120	Repair Kit	26.45



#### 244 Regulator

- 100 PSI max., 28 GPM (5 PSI drop).
- 3/4" inlet/outlet.
- 0.15 amp draw.
- 2 wire lead for 12 V.

PART	DESCRIPTION	PRICE (B)
2443/4	Regulator	228.15



#### 2-Way Valves

PART	DESCRIPTION	PRICE (B)
344BEC23-3/4	3/4", 2 Sec. Shut-off	445.85
344BEC24-1	1", 2 Sec. Shut-off	445.85
344BR2401C	1", 18 Sec. Shut-off	458.20
AB344AE	Repair Kit	84.75



#### 3-Way Valves

- 2 second delay.

PART	DESCRIPTION	PRICE (B)
344BEC3-1	1"	545.60
AB344AE	Repair Kit	84.75



#### Diaphragm Relief Valves

- Stainless steel springs.
- 56 GPM max. (1/2" model), 70 GPM max. (3/4" model)
- 50-300 PSI.
- Diaphragm operation.

PART	DESCRIPTION	PRICE (B)
84601/2300	1/2" - 300 PSI	98.25
84603/4300	3/4" - 300 PSI	98.25
84601/250	1/2" - 50 PSI	98.25
84603/450	3/4" - 50 PSI	98.25
AB8460	Repair Kit	35.50



#### 110 Relief Valves

- 1/4" or 3/8".
- 1000 PSI max.

PART	DESCRIPTION	PRICE (B)
1101/450	1/4", 50 PSI	83.60
1101/4300	1/4", 300 PSI	83.60
1101/4700	1/4", 700 PSI	83.60
1103/8300	3/8", 300 PSI	83.60
1103/8700	3/8", 300-700 PSI	83.60
1103/81000	1000 PSI	89.45



#### 110 Series Aluminum Valves

- Brass available on request.
- 150 PSI max.

PART	DESCRIPTION	PRICE (B)
110-1AL	1"	237.55
110-11/4AL	1 1/4"	257.45
110-11/2AL	1 1/2"	257.45

#### 6815 Relief Valves

- Up to 1200 PSI.
- Hardened SS seats available.

PART	DESCRIPTION	PRICE (B)
68151/250	1/2", 50 PSI	111.05
68151/2300	1/2", 300 PSI	111.05
68151/2700	1/2", 700 PSI	111.05
68151/21200HS	1/2", 1200 PSI	228.80
68153/450	3/4", 50 PSI	111.05
68153/4300	3/4", 300 PSI	111.05
68153/4700	3/4", 700 PSI	111.05
68153/41200HS	3/4", 1200 PSI	228.80
AB6815300	300 PSI Repair Kit	24.85



#### 144P Series Valve

- 100 PSI max., 10 GPM (5 PSI drop).
- Viton diaphragms.
- No stroke adjustment required.
- SS armature and armature stop.
- 3/4" inlet, 1/2" outlet.
- 2.5 amp draw.

PART	DESCRIPTION	PRICE (B)
144P1	Solenoid Valve	314.65



#### 144A Series Valves

- Poly body with EPDM diaphragm.
- Coil serviced without removal of valve.
- 100 PSI max., 10 GPM (5 PSI drop).
- 2.5 amp draw.
- 3/4" inlet, 1/2" outlet.

PART	DESCRIPTION	PRICE (B)
144 A1	Valve	228.30
144 A2	2 Gang	462.50
144 A3	3 Gang	696.70
AB144A1	Repair Kit 5/8" Hole	43.15



#### 145 Series Valve

- Fiberglass reinforced body.
- 100 PSI max., 15 GPM (5 PSI drop).
- 2.9 amp draw.
- 1" inlet/outlet.

PART	DESCRIPTION	PRICE (B)
145H1	1" x 1"	522.70
AB145H	Repair Kit	77.70
AB145HVI	Viton Kit	111.35



#### 344 Series 12V Pressure Regulating Valve

- 1" FNPT Inlet / Outlet.
- 6 Second; 27 RPM.
- Wetted parts are Nylon, Polypropylene, stainless steel, Teflon®, and Viton®.

PART	DESCRIPTION	PRICE (B)
35-02099	Pressure Regulating Valve	342.90

NOTE: Other regulating valves available; please call.



#### 144A1 3-Way Valve

- 0-65 PSI., 8 GPM (5 PSI drop).
- Coil changer without removing valve.
- EPDM seat washer and diaphragm.

PART	DESCRIPTION	PRICE (B)
144A13	3-Way Valve	310.65
AB144A13	Repair Kit	49.55



#### 430 Series 2-Way Valves

- Durable – all metal gears provide long wear life; stainless steel stem and ball resist corrosion
- Economical – reliable performance at a reasonable cost
- Flow Rate: 11.7 gpm @ 5 psi; 16.5 gpm @ 10 psi pressure drop

CALL US OR SEE PARTS SECTION IN CATALOGUE FOR PRICING AND ORDERING INFORMATION



#### BANJO Mini Electric Ball Valves

- Two styles – Female NPT and mini manifold
- 12 Volt DC
- Response time: 1/3 second from open to close
- Fibreglass reinforced polypropylene ball
- TFM seats
- EDPM seals
- Maximum pressure: 200 PSI @ 70°F (21.1°C)
- Stationary current draw: less than 0.04 amps
- Rotating current draw: less than 0.40 amps
- Stall current: 0.75 amps
- Standard 3 wire configuration
- Integrated mounting slot

Also available in John Guest® Push Lock connections and square lug spray tip adapter. Call for more information.



LEV038 shown

#### Banjo Mini Female NPT 12V Electrical Ball Valves

PART	DESCRIPTION	PRICE (C)
LEV038	3/8" Full Port Valve – 3/8" FNPT ports, 3/8" opening through ball	251.85
LEV050	1/2" Full Port Valve – 1/2" FNPT ports, 15/32" opening through ball	251.85



#### Banjo Mini Manifold 12V Electrical Ball Valve

PART	DESCRIPTION	PRICE (C)
MLEV100	1" Electric Valve – 1" Manifold ports, 1/2" opening through ball	268.75





### Electric Sprayer Pressure Regulator

The Model 1560 and 1541 electric pressure regulators are equipped with a precision high torque motor and gear reduction, and high strength valve body for heavy-duty service. Chemical resistant glass-filled nylon body has stainless steel motor shaft and butterfly, and Viton seal. Low current draw, 50 MA at 12 volt. Maximum recommended pressure is 150 PSI. Speed at 12 volt = 1 RPM, at 6 volt = .5 RPM.

Model 1560: 3/4" NPT with 3/4" orifice and close-tolerance butterfly for use as either bypass regulator or throttling valve. Use for flow rates up to 50 GPM.

Model 1541: 1" NPT with 1" orifice. Use for flow rates from 15 to 100 GPM.

PART	DESCRIPTION	PRICE (E)
1560A	3/4" - Up to 50 GPM	178.60
1541A	1" - 15 to 100 GPM	205.00



### Chemical Isolator Kit

Chemical isolator kit keeps chemicals from entering tractor or truck cab for added operator safety. Dampens and protects pressure gauge from corrosive chemicals. Large capacity assures accurate pressure reading. Maximum operating pressure, 150 PSI (1000 kPa). Pre-filled at the factory with non-toxic RV antifreeze.

2300 chemical isolator kit complete with mounting bracket and fittings for both 1/2" and 3/4" tubing. Packed in clam shell display package.

PART	DESCRIPTION	PRICE (E)
2300	Kit	103.75



### 2200 Series Solenoid Valves

Series 2200 12-Volt DC solenoid valves have 1/4" NPT female inlet and outlet. The valve housing is made of glass filled nylon and the wetted metal parts of 304 and 430 stainless steel. Viton seals and O-rings are standard. Coils are totally epoxy encapsulated with 1/4" male spade or Weather Pack sealed electrical connections. These direct operating valves can be used for foam and dye markers, small sprayers, boom end nozzles, chemical injection systems, individual nozzle shut-offs, etc.

PART	DESCRIPTION	PRICE (E)
2203A	1/4" NPT, 1/2 GPM, 175 PSI	101.90



### 3-Way Solenoid Valve

The 2204 3-way 12-volt DC solenoid valve has a 1/4" female NPT inlet and two 1/4" female NPT outlets. The valve housing is made of glass-filled nylon and the wetted metal parts are made of 304 and 430 stainless steel. Viton seals and O-rings are standard. The weather resistant coil is totally epoxy-encapsulated.

Ideal for foam markers to control both air and liquid - 0.105 diameter orifice, 0.22 CV rating, 1/2 GPM (1.9 LPM), 40 PSI (275 kPa), 12-Volt DC, 0.85 amps.

PART	DESCRIPTION	PRICE (E)
2204A	3-Way Solenoid Valve	121.35



### 2100C Series 12-Volt Electric Shut-Off Valve

The 2100C boom shut-off valves feature a 3/4" FNPT inlet, 3/4" MNPT bypass outlet, and 1/2" FNPT boom outlet. The epoxy-encapsulated coil draws 2.0 amps at 12 volts. Wetted parts are made of 430 stainless steel and chemical resistant glass-filled nylon body. Equipped with Viton seat and seal. Can be "ganged" together by simply screwing one into another.

The 2100C Series valves operate at a maximum 125 PSI and 0 to 10 GPM (only 7 PSI drop @ 10 GPM).

PART	DESCRIPTION	PRICE (E)
2100C-1	Solenoid Shut-Off Valve, Single	157.60



### 1999A Series Electric Shut-off Valve

Series 1999A 12 volt DC electric boom shut-off valves have 1" NPT female inlet, 1" male bypass outlet, and 3/4" NPT female boom line outlet for high volume applications at minimum pressure loss (pressure drop is only 5 PSI at 15 GPM). Current draw of only 1.1 amp per valve. Chemical resistant glass-filled nylon body with Viton diaphragm and seals. Maximum operating pressure is 175 PSI. For multiple valve units, simply screw one valve to another.

PART	DESCRIPTION	PRICE (E)
1999A1	Solenoid Valve	209.90
1999A1-KIT	Repair Kit new style short plunger	71.60
1999A1-KIT-OLD	Repair Kit old style short plunger 1 1/4"	95.45





**2055**

### 2055 Sprayer Control System

Single control system for sprayers which require control for only one motorized boom shut-off valve.

The 2055 Sprayer Control 12-Volt Kit includes control panel with 0 – 200 PSI pressure gauge, mounting bracket, toggle-type ON/OFF boom switch and pressure regulator switch, 8' power cord with fuse holder, 15' sprayer harness, model 1541 1" NPT pressure regulator, and model 1999A1 solenoid valve.

Maximum operating capacity of solenoid is 18 GPM and 175 PSI.

PART	DESCRIPTION	PRICE (H)
2055	2055 Sprayer Single Valve Control System	<b>522.05</b>

### 2380 Sprayer Control System

Triple controller system ideal for use on a sprayer with a three section spray boom set-up operating at 10 GPM or less.

The 2380 Sprayer Control 12-Volt Kit includes control panel with 0 – 100 PSI pressure gauge, mounting bracket, toggle-type ON/OFF boom switch and pressure regulator switch, 6' cab harness with fuse holder, 8' sprayer harness, model 1560A 3/4" NPT pressure regulator, and model 2500B-3 solenoid valves (3 x 2500B-1 valves).

Maximum operating capacity of the 2500B-3 solenoid is 10 GPM and 100 PSI.

PART	DESCRIPTION	PRICE
2380	2380 Sprayer Triple Valve Control System – 10 GPM	<b>802.65(H)</b>
1231	15' Extension Harness w/ Quick Disconnects	<b>106.50(E)</b>
1987	Spray Control Box only	<b>417.45(E)</b>
1576	Wire Harness – 8 foot	<b>113.65(E)</b>
2151	Mounting Bracket for 2500B-1 Valves	<b>46.15(E)</b>



### 2040L Sprayer Control System

Triple controller system ideal for use on a sprayer with a three section spray boom set-up operating at up to 18 GPM.

The 2040L Sprayer Control 12-Volt Kit includes control panel with 0 – 100 PSI liquid-filled pressure gauge, mounting bracket, toggle-type ON/OFF boom switch and pressure regulator switch, 6' cab harness with fuse holder, 8' sprayer harness, model 1541A 1" NPT pressure regulator, and model 1999A-3 solenoid valves (3 x 1999A-1 valves).

Maximum operating capacity of the 1999A-3 solenoid is 18 GPM and 175 PSI.

PART	DESCRIPTION	PRICE (H)
2040L	2040 Sprayer Triple Valve Control System – 18 GPM	<b>968.25</b>

# Filters TeeJet®

- 1/2", 3/4" Ports
- 100 PSI Maximum
- 100° F Maximum Temp.

**To Order:** Order filter less screen and appropriate screen separately



45102\* 23174\*

PART	DESCRIPTION	PRICE (B)
1221/2PP-LS	1/2" Poly Filter Less Screen	17.55
1223/4PP-LS	3/4" Poly Filter Less Screen	17.55
<b>SCREENS</b>		
PART	DESCRIPTION	PRICE (B)
23174-1	16 Mesh Stainless Steel Screen	9.55
23174-2	30 Mesh Stainless Steel Screen	9.55
45102-3	50 Mesh Red Poly Screen	9.55
45102-4	80 Mesh Blue Poly Screen	9.55
45102-5	100 Mesh Green Poly Screen	9.55

## Parts

PART	DESCRIPTION	PRICE (E)
23172PP	Poly Bowl	11.20
23173EPR	EPR Bowl Gasket	7.25
23173VI	Viton Bowl Gasket	13.95

- Poly self cleaning filter

**To Order:** Order filter less screen and appropriate screen separately



## Poly Self-Cleaning

PART	DESCRIPTION	PRICE (B)
1263/4PPSC-LS	3/4" Poly Filter Self Cleaning Less Screen	45.50
1261PPSC-LS	1" Poly Filter Self Cleaning Less Screen	45.50
12611/4NYSC-LS	1 1/4" Poly Filter Self Cleaning Less Screen	74.05
12611/2NYSC-LS	1 1/2" Poly Filter Self Cleaning Less Screen	74.05
126MLF50SC-LS	50 Series Flange Self Cleaning Less Screen	45.50
126MLF75SC-LS	75 Series Flange Self Cleaning Less Screen	74.05
<b>SCREENS</b>		
PART	DESCRIPTION	PRICE (B)
12285-1	16 Mesh Stainless Steel Screen	31.45
12285-4	30 Mesh Stainless Steel Screen	31.45
12285-2	50 Mesh Stainless Steel Screen	31.45
12285-3	80 Mesh Stainless Steel Screen	31.45
12285-6	100 Mesh Stainless Steel Screen	31.45



## Mounting Lug

PART	SIZE	GPM	PRICE (B)
1243/4ALML*	3/4"	23	162.50
1241ALML*	1"	34	162.50
12411/4ALML*	1-1/4"	60	249.90
12411/2ALML*	1-1/2"	70	249.90
1242ALML*	2"	160	577.35
12421/2ALML*	2-1/2"	170	577.35

\* Specify mesh size; price includes screen



## Aluminum Self-Cleaning

PART	SIZE	MIN. BYPASS REQUIRED	PRICE (B)
124 3/4 ALMLSC-*	3/4" MI Self Clean	6 GPM	202.20
124 1 ALMLSC-*	1" MI Self Clean	6 GPM	202.20
124 1 1/4 ALMLSC-*	1 1/4" MI Self Clean	8 GPM	347.70
124 1 1/2 ALMLSC-*	1 1/2" MI Self Clean	8 GPM	347.70

\* Specify mesh size; price includes screen

## Parts

ITEM	3/4" & 1"	PRICE (B)	1-1/4" & 1-1/2"	PRICE (B)
Bowl	15403-1NY	41.60	21035NY	65.60
Gasket	7717-2/226VI	18.40	12291VI	23.50
Inner Cylinder	22408PP	20.90	22835NY	67.00
Bypass Adapter	22406NY	17.65	21034AL	89.65
O-Ring for Adapter	7717-2/121 VI	18.40	7717-2/135 VI	13.05
16 Mesh Screen	12285-1	31.45	12290-1	54.95
30 Mesh Screen	12285-4	31.45	12290-2	54.95
50 Mesh Screen	12285-2	31.45	12290-3	54.95
80 Mesh Screen	12285-3	31.45	12290-4	54.95
100 Mesh Screen	12285-6	31.45	12290-8	54.95



## Aluminum Filters

PART	SIZE	GPM	PRICE (B)
1243/4AL*	3/4"	23	138.55
1241AL*	1"	34	138.55
12411/4AL*	1-1/4"	60	215.45
12411/2AL*	1-1/2"	70	215.45
1242AL*	2"	160	CALL
12421/2AL*	2-1/2"	170	493.90

\* Specify mesh size; price includes screen



## Screens

MESH SIZE	3/4" & 1"	PRICE (B)	1-1/4" & 1-1/2"	PRICE (B)	2", 2-1/2"	PRICE (B)
16	16903-1	19.70	15941-1	27.70	14634-1	95.70
30	16903-3	19.70	15941-2	27.70	14634-2	95.70
50	16903-4	19.70	15941-3	27.70	14634-3	95.70
80	16903-5	19.70	15941-4	27.70	14634-4	95.70
100	16903-6	19.70	15941-5	27.70	14634-8	95.70
120	N/A	N/A	15941-6	27.70	N/A	N/A
200	16903-7	19.70	N/A	N/A	N/A	N/A

NOTE: 14634 Series Screens are all Stainless Steel without Colour Coding

## Parts

ITEM	3/4" & 1"	PRICE (B)	1-1/4" & 1-1/2"	PRICE (B)	2", 2-1/2"	PRICE (B)
Bowl	15403-NY	44.55	12288NY	77.35	14635NY	145.05
Gasket	7717-2/226VI	18.40	12291BU	7.55	14633BU	11.70

# Strainers

## 126 Flush-Out Line Strainer

- 200 PSI maximum.
- Polypropylene bowl and head.
- EPDM gasket.
- Removable bottom cap for flush-out.
- May be mounted with M8 or 5/16" bolts.

**TeeJet®**



### How To Order:

- Order filter less the screen

- Order appropriate screen

PART	DESCRIPTION	PRICE (B)
126ML3/4-LS	3/4" Nylon Filter less Screen	29.40
126ML1-LS	1" Nylon Filter less Screen	29.40
126MLF50-LS	50 Series Flange Filter less Screen	29.40

### SCREENS

PART	DESCRIPTION	PRICE(B)	PART	DESCRIPTION	PRICE(B)
16903-1	16 Mesh Screen	19.70	16903-5	80 Mesh Screen	19.70
16903-2	20 Mesh Screen	19.70	16903-6	100 Mesh Screen	19.70
16903-3	30 Mesh Screen	19.70	16903-7	200 Mesh Screen	19.70
16903-4	50 Mesh Screen	19.70			

### PARTS – ¾", 1", and 50 Flange Series

50493PP	Strainer Bowl	18.45
50494EPR	Strainer Bowl Gasket EPDM	3.45
48655PP	Flush-out Cap	6.75
63150EPR	Flush-out Cap Gasket	4.55



## Norwesco Y-Strainers – ½" to 3" Sizes

- Body and bowl constructed from glass reinforced poly, EPDM gasket.
- Rated for 70 PSI at 70°F (21°C) – all sizes from ¾" to 3".
- ½" Drain plug on bottom of bowl (3" model only).

### How To Order:

- Order filter less the screen
- Order appropriate Mesh screen

PART	DESCRIPTION	PRICE (E)
YLS050-LS	½" Y-Strainer – Less Screen	24.05
YLS075-LS	¾" Y-Strainer – Less Screen	24.05
YLS100-LS	1" Y-Strainer – Less Screen	29.05
YLS125-LS	1¼" Y-Strainer – Less Screen	29.05
YLS150-LS	1½" Y-Strainer – Less Screen	51.15
YLS200-LS	2" Y-Strainer – Less Screen	49.95
YLS300-LS	3" Y-Strainer – Less Screen	324.05

### SCREENS

PART	DESCRIPTION	PRICE (E)
YLS64177	20 Mesh S.S. Screen for ½" and ¾" Strainer	22.40
YLS64178	50 Mesh S.S. Screen for ½" and ¾" Strainer	22.40
YLS64179	80 Mesh Screen for ½" and ¾" Strainer	27.20
YLS61749	20 Mesh S.S. Screen for 1" and 1¼" Strainer	15.40
YLS61746	40 Mesh S.S. Screen for 1" and 1¼" Strainer	15.30
YLS61747	80 Mesh S.S. Screen for 1" and 1¼" Strainer	17.60
YLS61508	20 Mesh S.S. Screen for 1½" and 2" Strainer	28.20
YLS61509	40 Mesh S.S. Screen for 1½" and 2" Strainer	44.00
YLS61510	80 Mesh S.S. Screen for 1½" and 2" Strainer	35.75
YLS62249	12 Mesh S.S. Screen for 3" Strainer	140.40
YLS62252	20 Mesh S.S. Screen for 3" Strainer	140.40
YLS62261	40 Mesh S.S. Screen for 3" Strainer	140.40
YLS62400	80 Mesh S.S. Screen for 3" Strainer	140.40



## 126 Flush-Out Line Strainer

- 200 PSI maximum.
- Polypropylene bowl and head.
- EPDM gasket.
- Removable bottom cap for flush-out.
- May be mounted with M10 or 3/8" bolts.

### How To Order:

- Order filter less the screen

- Order appropriate screen

PART	DESCRIPTION	PRICE (B)
126ML11/4NY-LS	1 ¼" Nylon Filter less Screen	72.60
126ML11/2NY-LS	1 ½" Nylon Filter less Screen	72.60
126MLF75-LS	75 Series Flange Filter less Screen	72.60

### SCREENS

PART	DESCRIPTION	PRICE(B)	PART	DESCRIPTION	PRICE(B)
15941-1	16 Mesh Screen	27.70	15941-4	80 Mesh Screen	27.70
15941-2	30 Mesh Screen	27.70	15941-5	100 Mesh Screen	27.70
15941-3	50 Mesh Screen	27.70	15941-6	120 Mesh Screen	27.70

### PARTS – 1 ¼", 1 ½", and 75 Flange Series

48654PP	Strainer Bowl	37.70
48656EPR	Strainer Bowl Gasket EPDM	6.95
48655PP	Flush-out Cap	6.75
63150EPR	Flush-out Cap Gasket	4.55



## Banjo ½" Female NPT Mini T-Strainer

- Black poly bowl and HD glass-reinforced poly body, EPDM gasket.
- 316 Stainless Steel Mesh Screen w/ Poly Rib reinforcements.
- Rated at 150 PSI @ 70 PSI at 70°F (21°C).

PART	DESCRIPTION	PRICE (C)
LSTM050-30	½" Mini T-Strainer – 30 Mesh	32.25
LSTM050-50	½" Mini T-Strainer – 50 Mesh	32.25
LSTM050-100	½" Mini T-Strainer – 100 Mesh	29.35
LSTM050-G	Bowl Gasket - EPDM	5.80



## Hypro Mini T-Strainer w/ 80 Mesh Screen - Complete

- Unique body features both external ½" Male NPT and ¼" Female NPT.
- Rated at 80 PSI @ 70 PSI at 70°F (21°C).

PART	DESCRIPTION	PRICE (E)
3350-0082A	80 Mesh Strainer – Complete	14.85
3800-0047	80 Mesh Stainless Steel Screen	7.70
3351-0036	Filter Bowl	3.85
1700-0090	Gasket	1.40
3351-0035	Filter Head	4.15



#### Poly "T" Line Strainers

- Heavy-duty glass reinforced polypropylene.
- Clean-out plug.
- 304 stainless steel reinforced screens.
- EPDM gaskets standard. FKM (viton type) available.
- 150 PSI at 70°F.

#### How To Order:

- Order filter less the screen.
- Order appropriate screen.

PART	DESCRIPTION	PRICE (C)
LST075-LS	3/4" "T" Filter Less Screen	36.55
LST100-LS	1" "T" Filter Less Screen	36.55
<b>SCREENS</b>		
PART	DESCRIPTION	PRICE (C)
LST116	16 Mesh Screen 3/4" & 1" Filter	32.55
LST130	30 Mesh Screen 3/4" & 1" Filter	32.55
LST150	50 Mesh Screen 3/4" & 1" Filter	29.55
LST180	80 Mesh Screen 3/4" & 1" Filter	29.55
LST1100	100 Mesh Screen 3/4" & 1" Filter	31.75
LST100-G	Gasket 3/4", 1"	5.80



#### Poly "T" Line Strainers

- Heavy-duty glass reinforced polypropylene.
- Clean-out plug.
- 304 stainless steel reinforced screens.
- EPDM gaskets standard. FKM (viton type) available.
- 150 PSI at 70°F.

#### How To Order:

- Order filter less the screen.
- Order appropriate screen.

PART	DESCRIPTION	PRICE (C)
LST125-LS	1 1/4" Filter Less Screen	80.10
LST150-LS	1 1/2" Filter Less Screen	80.10
<b>SCREENS</b>		
PART	DESCRIPTION	PRICE (C)
LST1516	16 Mesh Screen for 1 1/4", 1 1/2"	49.95
LST1530	30 Mesh Screen for 1 1/4", 1 1/2"	49.95
LST1550	50 Mesh Screen for 1 1/4", 1 1/2"	49.95
LST1580	80 Mesh Screen for 1 1/4", 1 1/2"	49.95
LST15100	100 Mesh Screen for 1 1/4", 1 1/2"	49.95
LST150-G	EPDM Gasket	5.80



#### LSQ Poly Line Strainer

- Precision molded in glass reinforced polypropylene.
- Cam lever configuration for easy access for cleaning and servicing.
- 3/4" plug in cam lever cap for attaching ball valve for draining or back flushing.
- Poly ribbed stainless steel screen.
- EPDM lathe cut gasket.
- FKM (viton type) gaskets available.
- 75 PSI maximum.

#### How To Order:

- Order filter less the screen.
- Order appropriate screen.

PART	DESCRIPTION	PRICE (C)
LSQ150-LS	1 1/2" Filter Less Screen	103.10
LSQ200-LS	2" Filter Less Screen	113.40
<b>SCREENS</b>		
PART	DESCRIPTION	PRICE (C)
LS2-30	30 Mesh Screen for 1 1/2", 2"	67.05
LS2-50	50 Mesh Screen for 1 1/2", 2"	67.05
LS2-80	80 Mesh Screen for 1 1/2", 2"	67.05
LS2-100	100 Mesh Screen for 1 1/2", 2"	73.75
LSQ200-G	EPDM Gasket 1 1/2", 2"	12.00

\* Note: 6, 12, and 20 Mesh Screens Special Order



#### Poly "Y" Strainers

- Precision molded construction.
- Corrosion resistant.
- Lightweight.
- Fiberglass reinforced.
- Easy grip end cap.
- Poly ribbed 316 stainless steel screen.
- EPDM gaskets FKM (viton type) available.
- Heavy-duty end cap threads.
- 1/2" - 1 1/4" 75 PSI maximum.
- 1 1/2" - 2" 150 PSI maximum.
- Clean-out plug.
- Female NPT x Female NPT.

#### How To Order:

- Order filter less the screen.
- Order appropriate screen.

PART	DESCRIPTION	PRICE (C)
LS050-LS	1/2" "Y" Strainer Less Screen	28.80
LS075-LS	3/4" "Y" Strainer Less Screen	28.80
LS100-LS	1" "Y" Strainer Less Screen	28.80
LS125-LS	1 1/4" "Y" Strainer Less Screen	28.80
LS150-LS	1 1/2" "Y" Strainer Less Screen	64.55
LS200-LS	2" "Y" Strainer Less Screen	64.55
<b>SCREENS</b>		
PART	DESCRIPTION	PRICE (C)
LS7**	20, 40 or 80 Mesh Screen for 1/2", 3/4"	CALL
LS1**	20, 40 or 80 Mesh Screen for 1", 1 1/4"	CALL
LS2-***	20, 30, 50, 80, 100, 120 Screen for 1 1/2", 2"	CALL
LS075-G	EPDM Gasket for 1/2", 3/4"	4.40
LS100-G	EPDM Gasket for 1", 1 1/4"	5.80
LS150-G	EPDM Gasket for 1 1/2", 2"	5.80





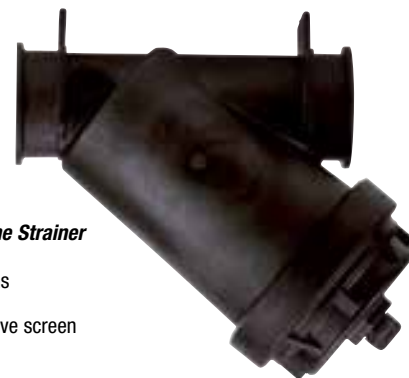
#### Manifold Line Strainer

- EPDM gaskets.
- 316 stainless steel screens.
- 150 PSI maximum.

#### How To Order:

- Order filter less the screen.
- Order appropriate screen.

PART	DESCRIPTION	PRICE (C)
MLS200-LS	2" Standard Port Filter Less Screen	75.45
<b>SCREENS</b>		
PART	DESCRIPTION	PRICE (C)
LS2-20	20 Mesh Stainless Steel Screen	67.05
LS2-30	30 Mesh Stainless Steel Screen	67.05
LS2-50	50 Mesh Stainless Steel Screen	67.05
LS2-80	80 Mesh Stainless Steel Screen	67.05
LS2-120	120 Mesh Stainless Steel Screen	73.75
LS150-G	Gasket	5.80



#### 3" Threaded & Manifold Line Strainer

- EPDM gaskets
- 304 Stainless Steel screens
- 75 PSI maximum
- Threaded end cap to remove screen

#### How To Order:

- Order filter less the screen.
- Order appropriate screen required.

PART	DESCRIPTION	PRICE (C)
LSM300-LS	3" Threaded Strainer less Screen	579.70
MLS300-LS	3" Manifold Strainer less Screen	637.70
<b>SCREENS</b>		
PART	DESCRIPTION	PRICE (C)
LS304	4 Mesh Stainless Steel Screen	221.95
LS308	8 Mesh Stainless Steel Screen	221.95
LS312	12 Mesh Stainless Steel Screen	221.95
LS320	20 Mesh Stainless Steel Screen	201.75
LS350	50 Mesh Stainless Steel Screen	201.75
MLS300G	Gasket	10.55



#### Manifold Line Strainer

- EPDM gaskets.
- 316 stainless steel screens.
- 150 PSI maximum.

#### How To Order:

- Order filter less the screen.
- Order appropriate screen.

PART	DESCRIPTION	PRICE (C)
MLS222-LS	2" Full Port Manifold Filter Less Screen	116.65
<b>SCREENS</b>		
PART	DESCRIPTION	PRICE (C)
LST204SS	4 Mesh Stainless Steel Screen	101.45
LST206SS	6 Mesh Stainless Steel Screen	101.45
LST208SS	8 Mesh Stainless Steel Screen	101.45
LST210SS	10 Mesh Stainless Steel Screen	101.45
LST216SS	16 Mesh Stainless Steel Screen	101.45
LST230SS	30 Mesh Stainless Steel Screen	92.25
LST250SS	50 Mesh Stainless Steel Screen	92.25
LST280SS	80 Mesh Stainless Steel Screen	101.45
LST2100SS	100 Mesh Stainless Steel Screen	101.45
MLS220-G1	EPDM Gasket for Body	6.35



#### Manifold Line Strainer

- EPDM gaskets.
- 150 PSI maximum.
- Screens are poly cage w/ stainless steel mesh.

#### How To Order:

- Order filter less the screen.
- Order appropriate screen.

PART	DESCRIPTION	PRICE (C)
MLST100-LS	1" Manifold Filter LESS Screen	42.80
MLST150-LS	2" Manifold Filter LESS Screen	80.65
<b>SCREENS</b>		
PART	DESCRIPTION	PRICE (C)
LST116	16 Mesh Screen for MLST100 Filter	32.55
LST130	30 Mesh Screen for MLST100 Filter	32.55
LST150	50 Mesh Screen for MLST100 Filter	29.55
LST180	80 Mesh Screen for MLST100 Filter	29.55
LST1100	100 Mesh Screen for MLST100 Filter	31.75
LST1516	16 Mesh Screen for MLST150 Filter	49.95
LST1530	30 Mesh Screen for MLST150 Filter	49.95
LST1550	50 Mesh Screen for MLST150 Filter	49.95
LST1580	80 Mesh Screen for MLST150 Filter	49.95
LST15100	100 Mesh Screen for MLST150 Filter	49.95
LST100-G	Gasket for MLST100 Filter EPDM	5.80
LST150-G	Gasket for MLST150 Filter EPDM	5.80



### 50800 Spray Wand

PART	DESCRIPTION	PRICE (F)
50800-1/4-15PP	Trigger 15" Poly 1/4" Hose Barb	24.20
50800-3/8-15PP	Trigger 15" Poly 3/8" Hose Barb	24.20
50800-1/4-21AL	Trigger 21" Aluminum 1/4" Hose Barb	28.95
50800-3/8-21AL	Trigger 21" Aluminum 3/8" Hose Barb	28.95
50786PP-1/4	1/4" Replacement Hose Barb for 50800 Trigger	3.90(B)
50786PP-3/8	3/8" Replacement Hose Barb for 50800 Trigger	3.90(B)
7717-2/016VI	O-ring - Viton (use with above 50786PP-**)	2.70(B)



### Adjustable ConeJet

- 11/16 Thread

PART	DESCRIPTION	PRICE (F)
38720PPBX8	Grey - .47 GPM @ 40 PSI	10.15
38720PPBX12	Brown - .69 GPM @ 40 PSI	10.15
38720PPBX18	Orange - .92 GPM @ 40 PSI	10.15
38720PPBX26	Blue - 1.2 GPM @ 40 PSI	10.15



### Aluminum Spray Guns

- 1/2" NPT female inlet.
- 250 PSI or 800 PSI.
- Trigger lock.
- Good tree spray gun.

PART	DESCRIPTION	PRICE (F)
43LAL6	250 PSI Gun	210.30
43HAL6	800 PSI Gun	212.55
AB43AL	Repair Kit	60.20
10566AL	Nozzle Housing	27.45
6492AL	Inlet Body	45.70



### Telescoping Wand

PART	DESCRIPTION	PRICE (F)
W500	Telescoping Wand 3/8" Hose	27.40



### Aluminum Wand

- 22" barrel.
- Adjustable spray from cone to pencil.
- 3/4" GH inlet, twist on/off.
- 800 PSI max.

PART	DESCRIPTION	PRICE (F)
143ALGH6	Gunjet	137.05
AB143AL	Repair Kit	45.40



### Jet Stream Spray Gun w/ 23" Barrel

- Adjustable Spray Pattern
- Up to 8 GPM and 400 PSI
- Female Garden Hose Inlet
- 120°F Max Fluid Temperature

PART	DESCRIPTION	PRICE (H)
SG-1005	Jet Stream Spray Gun	59.40



### Brass Extensions

- 1/16" thread inlet/outlet.
- Series 9527 - 1000 PSI insulated.
- Series 6671 & 7715 - 250 PSI.

PART	DESCRIPTION	PRICE (B)
6671-08	8" Curved Extension 250 PSI	21.55
6671-18	18" Curved Extension 250 PSI	26.25
6671-24	24" Curved Extension 250 PSI	27.10
6671-30	30" Curved Extension 250 PSI	30.65
6671-36	36" Curved Extension 250 PSI	34.85
6671-48	48" Curved Extension 250 PSI	40.30
7715-08	8" Straight Extension 250 PSI	18.45
7715-18	18" Straight Extension 250 PSI	23.20
7715-24	24" Straight Extension 250 PSI	25.05
7715-30	30" Straight Extension 250 PSI	30.05
7715-36	36" Straight Extension 250 PSI	31.70
7715-48	48" Straight Extension 250 PSI	38.40
9527-08	8" Curved Extension 1000 PSI	58.00
9527-18	18" Curved Extension 1000 PSI	67.10
9527-24	24" Curved Extension 1000 PSI	68.75
9527-36	36" Curved Extension 1000 PSI	89.10
9527-48	48" Curved Extension 1000 PSI	96.40



### Tree Gun

- 17" barrel.
- 1/2" hose inlet.
- 1200 PSI max.

PART	DESCRIPTION	PRICE (F)
TREEGUN	Tree Spray Gun	347.00
9920-KIT10/11	Repair Kit	47.00
HB12	1/2" Hose Barb	8.95



### Low Pressure Gunjets

- 24" barrel.
- 250 PSI max.
- Non-drip design with shut off at tip.
- Series 30L - brass wand with nylon trigger.

PART	DESCRIPTION	PRICE (B)
30L-1/4	Gunjet (No Extension)	95.05
30L-22425-08	8" Gunjet	149.85
30L-22425-18	18" Gunjet	159.65
30L-22425-24	24" Gunjet	169.25
30L-22425-36	36" Gunjet	194.40
30L-22425-48	48" Gunjet	218.85



### High Pressure Spray Gun w/ Trigger Handle

- Adjustable Pattern - Cone to Stream
- Maximum 8 GPM / 800 PSI
- 1/2" Female NPT Inlet Port
- 13" or 22" Barrel length option

PART	DESCRIPTION	PRICE (H)
SG-1700-13	High Pressure Trigger Spray Gun - 13" barrel	72.10
SG-1700-22	High Pressure Trigger Spray Gun - 22" barrel	72.10



#### 4688 Brass Trigger Valve

- 1/4" FNPT inlet, 1/16" nozzle tread outlet.
- Trigger lock.
- 2 GPM max., 250 PSI max.

PART	DESCRIPTION	PRICE (B)
4688	Trigger	72.25
AB4688	Repair Kit	23.00
6466	Same as 4688 Except no trigger lock	77.90



#### 6590 Brass Trigger Valve

- 1/4" FNPT inlet/outlet.
- 2 GPM max., 250 PSI max.

PART	DESCRIPTION	PRICE (B)
6590	Trigger	72.70
AB6590	Repair Kit	16.70



4754



4725

#### Brass Gun Handles

- Both fit 4688, 6466, 6590 triggers.

PART	DESCRIPTION	PRICE (B)
47541/4	Handle - 3/4" GH x 1/4" Threads	24.50
47251/4	Handle - 1/4" Threads	15.85



GH Inlet/Outlet



1/4" Inlet/Outlet

#### Brass Swivels

PART	DESCRIPTION	PRICE
11740	GH Thread Inlet/Outlet	35.15(H)
11990-10	1/4" Inlet/Outlet	25.80(B)



#### Eductor Agitators

- Allows small pumps to circulate large volumes of liquid.
- Manufactured of glass-filled polypropylene for excellent corrosion and chemical resistance.
- Large flow opening minimizes plugging.
- Available in 3/8" or 1/2" (M) pipe thread inlet connection.

PART	DESCRIPTION	PRICE (B)
Y33180PP	Eductor Nozzle	91.60
Y9270PP	Eductor Nozzle	91.60



#### Brass Diaphragm Shut-Off

PART	DESCRIPTION	PRICE (B)
4664	1/8" Inlet, 1/16" Outlet	43.20



#### Brass End Cap Sub-Assembly

PART	DESCRIPTION	PRICE (B)
9758	Brass	7.15



#### Brass Retainer

PART	DESCRIPTION	PRICE (B)
4624	Fits 4664 Check Valve	4.40



#### Diaphragm Fairprene

PART	DESCRIPTION	PRICE (B)
4620FA	Fits 4664 Check Valve	.70

## TeeJet® Lawn Spray Guns



Model 25660

NOZZLE PERFORMANCE CHART				
PART NUMBER	CAPACITY (GPM) - VARIOUS PSI*			
	2 PSI	6 PSI	10 PSI	20 PSI
256701.5	1.4	2.3	2.9	4.0
256703.0	2.0	3.2	4.1	5.6
256704.0	2.3	3.7	4.7	6.4

\*Pressure measured at spray nozzle

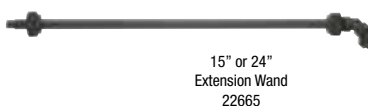
#### Features:

- Standard gun (part # 256601.5) comes complete with grey 4 GPM @ 20 PSI nozzle.
- Interchangeable nozzle tips are colour-coded for easy identification of nozzle tip size.
- Nozzle tips provide a 45° full cone "showerhead" spray pattern.
- Convenient trigger lock for continuous spraying.
- Options available: hose shank swivel for inlet connection and extension wands (15" or 24") and adapters for low-volume and spot spraying.
- Maximum 200 PSI operating pressure.
- Made of Nylon w/ Viton® O-rings and stainless steel springs.



25657 Adapter

25660 TeeJet Lawn Spray Gun



15" or 24" Extension Wand 22665

22664PP Straight Adapter



22673PP 45° Adapter

PART	DESCRIPTION	PRICE(B)
256601.5	Fertilizer Spray Gun	148.40
AB25660	Repair kit for gun	29.05
25990	Swivel 3/4" MNPT x 1/2" hose barb	19.25
25657	Adapter to accept wands	32.80
2266515PP	15" Wand assembly	17.15
2266524PP	24" Wand assembly	28.55
22664PP	Straight adapter	2.85
22673PPB	45° Adapter	2.75
256701.5	Grey Nozzle - 4.0 GPM	21.50
256703.0	Black Nozzle - 5.6 GPM	21.50
256704.0	Red Nozzle - 6.4 GPM	21.50





#### ER Series Combo-Jet Spray Tips

- ER8002 avg. median dia. @ 40 PSI: 224 microns.
- Comes with O-ring seal.

80°

PART	DESCRIPTION	PRICE (B)
ER80-01	Spray Tip Orange	10.75
ER80-015	Spray Tip Green	10.75
ER80-02	Spray Tip Yellow	10.75
ER80-025	Spray Tip Purple	10.75
ER80-03	Spray Tip Blue	10.75
ER80-04	Spray Tip Red	10.75
ER80-05	Spray Tip Brown	10.75
ER80-06	Spray Tip Grey	10.75
ER80-08	Spray Tip White	10.75
ER80-10	Spray Tip Light Blue	10.75
ER80-125	Spray Tip Teal	10.75
ER80-15	Spray Tip Light Green	10.75
ER80-20	Spray Tip Black	10.75
ER80-30	Spray Tip Black	10.75

110°

PART	DESCRIPTION	PRICE (B)
ER110-01	Spray Tip Orange	10.75
ER110-015	Spray Tip Green	10.75
ER110-02	Spray Tip Yellow	10.75
ER110-025	Spray Tip Purple	10.75
ER110-03	Spray Tip Blue	10.75
ER110-04	Spray Tip Red	10.75
ER110-05	Spray Tip Brown	10.75
ER110-06	Spray Tip Grey	10.75
ER110-08	Spray Tip White	10.75
ER110-10	Spray Tip Light Blue	10.75



#### DR Series Combo-Jet Combined Spray Tip/Cap Screen Nozzle System

Major advantages of Combo-Jet® DR series:

- Reduction of 75 to 95% of driftable fines compared to standard nozzles.
- DR8002 avg. median dia. @ 40 PSI: 416 microns.

PART	DESCRIPTION	PRICE (B)
DR80-01	Spray Tip Orange	15.85
DR80-015	Spray Tip Green	15.85
DR80-02	Spray Tip Yellow	15.85
DR80-025	Spray Tip Purple	15.85
DR80-03	Spray Tip Blue	15.85
DR80-04	Spray Tip Red	15.85
DR80-05	Spray Tip Brown	15.85
DR80-06	Spray Tip Grey	15.85
DR80-08	Spray Tip White	15.85
DR80-10	Spray Tip Black	15.85
DR80-15	Spray Tip Black	15.85
DR80-20	Spray Tip Black	15.85
DR80-25	Spray Tip Black	15.85

Note: Includes O-ring installed in cap



#### MR Series Combo-Jet Spray Tips

- Similar to DR Series, but the MR tip decreases the volume median diameter of droplet.
- More droplet size in the 290 micron range for improved chemical efficacy.
- MR8002 avg. median dia. @ 40 PSI: 293 microns.

80°

PART	DESCRIPTION	PRICE (B)
MR80-01	Spray Tip Orange	15.85
MR80-015	Spray Tip Green	15.85
MR80-02	Spray Tip Yellow	15.85
MR80-025	Spray Tip Purple	15.85
MR80-03	Spray Tip Blue	15.85
MR80-04	Spray Tip Red	15.85
MR80-05	Spray Tip Brown	15.85
MR80-06	Spray Tip Grey	15.85
MR80-08	Spray Tip White	15.85
MR80-10	Spray Tip Light Blue	15.85
MR80-125	Spray Tip Teal	15.85
MR80-15	Spray Tip Light Green	15.85
MR80-20	Spray Tip Tan	15.85
MR80-25	Spray Tip Black	15.85
MR80-30	Spray Tip Black	15.85
MR80-40	Spray Tip Black	15.85
MR80-50	Spray Tip Black	15.85

110°

PART	DESCRIPTION	PRICE (B)
MR110-015	Spray Tip Green	15.85
MR110-02	Spray Tip Yellow	15.85
MR110-025	Spray Tip Purple	15.85
MR110-03	Spray Tip Blue	15.85
MR110-04	Spray Tip Red	15.85
MR110-05	Spray Tip Brown	15.85
MR110-06	Spray Tip Grey	15.85
MR110-08	Spray Tip White	15.85
MR110-10	Spray Tip Light Blue	15.85
MR110-125	Spray Tip Black	15.85

Note: Includes O-ring installed in cap



#### Combo-Jet Seal Ring

PART	PRICE (B)
40260-00	.25



50-Mesh Strainer shown above

#### Combo-Jet Strainers

- Available in 50 and 100-mesh (not shown).

PART	DESCRIPTION	PRICE (B)
40250-00	50-Mesh Strainer (blue)	1.75
40251-00	100-Mesh Strainer (green)	1.75



#### SR Series Combo-Jet Spray Tips

- Drift Reduction Tip with drop size larger than the "ER" Series and smaller than the "MR" Series.
- Available in 80° and 110°.

80°

PART	DESCRIPTION	PRICE (B)
SR80-01	Spray Tip Orange	15.85
SR80-015	Spray Tip Green	15.85
SR80-02	Spray Tip Yellow	15.85
SR80-025	Spray Tip Purple	15.85
SR80-03	Spray Tip Blue	15.85
SR80-04	Spray Tip Red	15.85
SR80-05	Spray Tip Brown	15.85
SR80-06	Spray Tip Grey	15.85
SR80-08	Spray Tip White	15.85
SR80-10	Spray Tip Light Blue	15.85
SR80-125	Spray Tip Teal	15.85
SR80-15	Spray Tip Light Green	15.85
SR80-20	Spray Tip Black	15.85
SR80-25	Spray Tip Black	15.85
SR80-30	Spray Tip Black	15.85
SR80-40	Spray Tip Black	15.85
SR80-50	Spray Tip Black	15.85

110°

PART	DESCRIPTION	PRICE (B)
SR110-015	Spray Tip Green	15.85
SR110-02	Spray Tip Yellow	15.85
SR110-025	Spray Tip Purple	15.85
SR110-03	Spray Tip Blue	15.85
SR110-04	Spray Tip Red	15.85
SR110-05	Spray Tip Brown	15.85
SR110-06	Spray Tip Grey	15.85
SR110-08	Spray Tip White	15.85
SR110-10	Spray Tip Light Blue	15.85
SR110-125	Spray Tip Teal	15.85
SR110-15	Spray Tip Light Green	15.85

Note: Includes O-Ring installed in cap



NEW!

#### UR Series Combo-Jet Spray Tips

- Specially designed for certain chemical applications that require exceptional drift control.
- Dual-Chamber Drift Reduction; Ultra-Coarse.

PART	DESCRIPTION	PRICE (B)
UR110-025	UR Spray Tip Purple	25.85
UR110-03	UR Spray Tip Blue	25.85
UR110-04	UR Spray Tip Red	25.85
UR110-05	UR Spray Tip Brown	25.85
UR110-06	UR Spray Tip Grey	25.85
UR110-08	UR Spray Tip White	25.85
UR110-10	UR Spray Tip Light Blue	25.85

# Wilger Liquid Fertilizer Tips



Fertilizer Cap 40432



Fertilizer Cap 40433

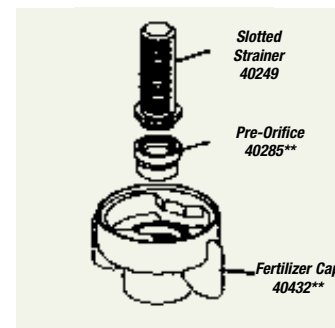
## Combo-Jet Fertilizer Caps

PART	DESCRIPTION	PRICE (B)
40432-047	Fertilizer Cap 2 Hole Combo-Jet	7.20
40432-086	Fertilizer Cap 2 Hole Combo-Jet	7.20
40433-047	Fertilizer Cap 3 Hole Combo-Jet	9.25
40433-067	Fertilizer Cap 3 Hole Combo-Jet	9.25
40433-104	Fertilizer Cap 3 Hole Combo-Jet	9.25



## Pre-Orifice

PART	SIZE	DESCRIPTION	PRICE(B)
40285-005	005	Black Orifice	7.25
40285-007	007	Pink Orifice	7.25
40285-01	01	Orange Orifice	5.50
40285-015	015	Green Orifice	5.50
40285-02	02	Yellow Orifice	5.50
40285-025	025	Purple Orifice	5.50
40285-03	03	Blue Orifice	5.50
40285-04	04	Red Orifice	5.50
40285-05	05	Brown Orifice	5.50
40285-06	06	Grey Orifice	5.50
40285-08	08	White Orifice – long	5.50
40285-08S	08	White Orifice – short	5.50
40285-10	10	Light Blue Orifice – long	5.50
40285-10S	10	Light Blue Orifice – short	5.50
40285-125	12.5	Teal Orifice – long	5.50
40285-13S	12.5	Teal Orifice – short	5.50
40285-15	15	Light Green Orifice	5.50
40285-20	20	Tan Orifice	5.50
40285-25	25	Black Orifice	5.50


50M Strainer  
40249


## Strainers

PART	DESCRIPTION	PRICE(B)
40247-00	16M Strainer – grey poly	1.75
40248-00	25M Strainer – yellow poly	1.75
40249-00	50M Strainer – red poly	1.75
40251-00	100M Strainer – stainless mesh	1.75

NOTE: 16M, 25M, and 50M poly strainers are slotted.

Based on flow for fertilizer @ 0.85 times theoretical for water														
PRE-ORIFICE PART	CAP PART	SCREEN MESH	PSI	CAPACITY 1 NOZZLE IN GPM	U.S. GPA @ 4 MPH	U.S. GPA @ 5 MPH	U.S. GPA @ 6 MPH	U.S. GPA @ 7 MPH	U.S. GPA @ 8 MPH	U.S. GPA @ 10 MPH	U.S. GPA @ 12MPH	U.S. GPA @ 14 MPH	U.S. GPA @ 16 MPH	
40285-01	40433-047 or 40432-047	100	20	0.060	4.5	3.6	3.0	2.6	2.2	1.8	1.5	1.3	1.1	
			25	0.067	5.0	4.0	3.3	2.9	2.5	2.0	1.7	1.4	1.2	
			30	0.074	5.5	4.4	3.6	3.1	2.7	2.2	1.8	1.6	1.4	
			40	0.085	6.3	5.0	4.2	3.6	3.2	2.5	2.1	1.8	1.6	
			50	0.095	7.1	5.6	4.7	4.0	3.5	2.8	2.4	2.0	1.8	
			60	0.104	7.7	6.2	5.2	4.4	3.9	3.1	2.6	2.2	1.9	
40285-015	40433-047 or 40432-047	100	20	0.090	6.7	5.4	4.5	3.8	3.3	2.7	2.2	1.9	1.7	
			25	0.101	7.5	6.0	5.0	4.3	3.7	3.0	2.5	2.1	1.9	
			30	0.110	8.2	6.6	5.5	4.7	4.1	3.3	2.7	2.3	2.0	
			40	0.128	9.5	7.6	6.3	5.4	4.7	3.8	3.2	2.7	2.4	
			50	0.143	10.6	8.5	7.1	6.0	5.3	4.2	3.5	3.0	2.6	
			60	0.156	11.6	9.3	7.7	6.6	5.8	4.6	3.9	3.3	2.9	
40285-02	40433-047 or 40432-047	50	20	0.12	8.9	7.1	6.0	5.1	4.5	3.6	3.0	2.6	2.2	
			25	0.13	10.0	8.0	6.7	5.7	5.0	4.0	3.3	2.9	2.5	
			30	0.15	10.9	8.7	7.3	6.2	5.5	4.4	3.6	3.1	2.7	
			40	0.17	12.6	10.1	8.4	7.2	6.3	5.0	4.2	3.6	3.2	
			50	0.19	14.1	11.3	9.4	8.1	7.1	5.6	4.7	4.0	3.5	
			60	0.21	15.5	12.4	10.3	8.8	7.7	6.2	5.2	4.4	3.9	
40285-025	40433-047 or 40432-047	50	20	0.15	11.2	8.9	7.4	6.4	5.6	4.5	3.7	3.2	2.8	
			25	0.17	12.5	10.0	8.3	7.1	6.2	5.0	4.2	3.6	3.1	
			30	0.18	13.7	10.9	9.1	7.8	6.8	5.5	4.6	3.9	3.4	
			40	0.21	15.8	12.6	10.5	9.0	7.9	6.3	5.3	4.5	3.9	
			50	0.24	17.6	14.1	11.8	10.1	8.8	7.1	5.9	5.0	4.4	
			60	0.26	19.3	15.5	12.9	11.0	9.7	7.7	6.4	5.5	4.8	
40285-03	40433-067 or 40432-086	50	20	0.18	13.4	10.7	8.9	7.7	6.7	5.4	4.5	3.8	3.3	
			25	0.20	15.0	12.0	10.0	8.6	7.5	6.0	5.0	4.3	3.7	
			30	0.22	16.4	13.1	10.9	9.4	8.2	6.6	5.5	4.7	4.1	
			40	0.26	18.9	15.1	12.6	10.8	9.5	7.6	6.3	5.4	4.7	
			50	0.29	21.2	16.9	14.1	12.1	10.6	8.5	7.1	6.0	5.3	
			60	0.31	23.2	18.6	15.5	13.3	11.6	9.3	7.7	6.6	5.8	
40285-04	40433-067 or 40432-086	50	20	0.24	17.9	14.3	11.9	10.2	8.9	7.1	6.0	5.1	4.5	
			25	0.27	20.0	16.0	13.3	11.4	10.0	8.0	6.7	5.7	5.0	
			30	0.29	21.9	17.5	14.6	12.5	10.9	8.7	7.3	6.2	5.5	
			40	0.34	25.2	20.2	16.8	14.4	12.6	10.1	8.4	7.2	6.3	
			50	0.38	28.2	22.6	18.8	16.1	14.1	11.3	9.4	8.1	7.1	
			60	0.42	30.9	24.7	20.6	17.7	15.5	12.4	10.3	8.8	7.7	
40285-05	40433-067 or 40432-086	50	20	0.30	22.3	17.9	14.9	12.8	11.2	8.9	7.4	6.4	5.6	
			25	0.34	24.9	20.0	16.6	14.3	12.5	10.0	8.3	7.1	6.2	
			30	0.37	27.3	21.9	18.2	15.6	13.7	10.9	9.1	7.8	6.8	
			40	0.43	31.6	25.2	21.0	18.0	15.8	12.6	10.5	9.0	7.9	
			50	0.48	35.3	28.2	23.5	20.2	17.6	14.1	11.8	10.1	8.8	
			60	0.52	38.6	30.9	25.8	22.1	19.3	15.5	12.9	11.0	9.7	
40285-06	40433-067 or 40432-086	50	20	0.36	26.8	21.4	17.9	15.3	13.4	10.7	8.9	7.7	6.7	
			25	0.40	29.9	23.9	20.0	17.1	15.0	12.0	10.0	8.6	7.5	
			30	0.44	32.8	26.2	21.9	18.7	16.4	13.1	10.9	9.4	8.2	
			40	0.51	37.9	30.3	25.2	21.6	18.9	15.1	12.6	10.8	9.5	
			50	0.57	42.3	33.9	28.2	24.2	21.2	16.9	14.1	12.1	10.6	
			60	0.62	46.4	37.1	30.9	26.5	23.2	18.6	15.5	13.3	11.6	
40285-08	40433-067 or 40432-086	50	20	0.48	35.7	28.6	23.8	20.4	17.9	14.3	11.9	10.2	8.9	
			25	0.54	39.9	31.9	26.6	22.8	20.0	16.0	13.3	11.4	10.0	
			30	0.59	43.7	35.0	29.2	25.0	21.9	17.5	14.6	12.5	10.9	
			40	0.68	50.5	40.4	33.7	28.9	25.2	20.2	16.8	14.4	12.6	
			50	0.76	56.4	45.2	37.6	32.3	28.2	22.6	18.8	16.1	14.1	
			60	0.83	61.8	49.5	41.2	35.3	30.9	24.7	20.6	17.7	15.5	

NOTE: For additional Pre-Orifice flow rates larger than "08" listed in above chart, please visit [www.wilger.net](http://www.wilger.net) or contact our office.



40510-00 / 40511-00



40193-00 / 40194-00



40516-00 / 40517-00



40195-00 / 40196-00



40526-00 / 40527-00



40197-00 / 40198-00

Single Outlet Nozzle Wet Boom Body – Radiallock		
PART	DESCRIPTION	PRICE(B)
40510-00	¾" Wet Boom Single Radiallock	5.75
40511-00	1" Wet Boom Single Radiallock	5.75
Single Outlet Nozzle Wet Boom Body – Square Lug		
PART	DESCRIPTION	PRICE(B)
40193-00	¾" Wet Boom Single Square Lug	5.75
40194-00	1" Wet Boom Single Square Lug	5.75

Double Outlet Nozzle Wet Boom Body – Radiallock		
PART	DESCRIPTION	PRICE(B)
40516-00	¾" Wet Boom Double Radiallock	14.75
40517-00	1" Wet Boom Double Radiallock	14.75
Double Outlet Nozzle Wet Boom Body – Square Lug		
PART	DESCRIPTION	PRICE(B)
40195-00	¾" Wet Boom Double Square Lug	14.75
40196-00	1" Wet Boom Double Square Lug	14.75

Triple Outlet Nozzle Wet Boom Body – Radiallock		
PART	DESCRIPTION	PRICE(B)
40526-00	¾" Wet Boom Triple Radiallock	18.15
40527-00	1" Wet Boom Triple Radiallock	18.15
Triple Outlet Nozzle Wet Boom Body – Square Lug		
PART	DESCRIPTION	PRICE(B)
40197-00	¾" Wet Boom Triple Square Lug	18.15
40198-00	1" Wet Boom Triple Square Lug	18.15

**PLEASE NOTE:** The above Combo-Jet® wet boom nozzle bodies feature the new hinged clamp for easier installation. The original two-piece style Combo-Jet® nozzle bodies are still available by SPECIAL ORDER ONLY. Please contact our office for pricing and availability.



Left Right Tee

#### Compact Diaphragm Bodies

PART	DESCRIPTION	PRICE (B)
40360-00	Left Body 11/16" Thread x 3/8" Hose	8.70
40365-00	Left Body 11/16" Thread x 1/2" Hose	8.70
40370-00	Left Body 11/16" Thread x 3/4" Hose	8.70
40361-00	Right Body 11/16" Thread x 3/8" Hose	8.70
40366-00	Right Body 11/16" Thread x 1/2" Hose	8.70
40371-00	Right Body 11/16" Thread x 3/4" Hose	8.70
40362-00	Tee Body 11/16" Thread x 3/8" Hose	8.70
40367-00	Tee Body 11/16" Thread x 1/2" Hose	8.70
40372-00	Tee Body 11/16" Thread x 3/4" Hose	8.70
LOCKNUT	11/16" Poly Lock Nut	.75



Left Right Tee

#### Compact Diaphragm Body For Dry Boom

PART	DESCRIPTION	PRICE (B)
40380-00	Left Body 3/8" Hose	8.70
40385-00	Left Body 1/2" Hose	8.70
40390-00	Left Body 3/4" Hose	8.70
40381-00	Right Body 3/8" Hose	8.70
40386-00	Right Body 1/2" Hose	8.70
40391-00	Right Body 3/4" Hose	8.70
40382-00	Tee Body 3/8" Hose	8.70
40387-00	Tee Body 1/2" Hose	8.70
40392-00	Tee Body 3/4" Hose	8.70
40155-07	Fairprene Diaphragm Only	.90



#### Molded Diaphragm w/ O-ring Seat

- One-piece diaphragm is self-seating in check valve O-ring groove. FKM material – may be black or red.

PART	DESCRIPTION	PRICE (B)
40155-23	Diaphragm / O-ring Combo	1.15



#### Fertilizer Caps

- If used with pre-orifice (40285-\*\*) use universal seal 40260-00.
- If used less pre-orifice use universal adapter 40261-00 and 40260-00 seal.

PART	DESCRIPTION	PRICE (B)
40420-05	1/8" Hose Barb	1.40
40422-05	1/4" Hose Barb	1.40
40424-05	3/8" Hose Barb	1.40
40426-05	1/2" Hose Barb	1.40
40260-00	O-Ring Seal	.25
40261-00	Adapter (if required)	.40



#### Pre-Orifice

PART	SIZE	DESCRIPTION	PRICE(B)
40285-005	005	Black Orifice	7.25
40285-007	007	Pink Orifice	7.25
40285-01	01	Orange Orifice	5.50
40285-015	015	Green Orifice	5.50
40285-02	02	Yellow Orifice	5.50
40285-025	025	Purple Orifice	5.50
40285-03	03	Blue Orifice	5.50
40285-04	04	Red Orifice	5.50
40285-05	05	Brown Orifice	5.50
40285-06	06	Grey Orifice	5.50
40285-08	08	White Orifice – long	5.50
40285-08S	08	White Orifice – short	5.50
40285-10	10	Light Blue Orifice – long	5.50
40285-10S	10	Light Blue Orifice – short	5.50
40285-125	12.5	Teal Orifice – long	5.50
40285-13S	12.5	Teal Orifice – short	5.50
40285-15	15	Light Green Orifice	5.50
40285-20	20	Tan Orifice	5.50
40285-25	25	Black Orifice	5.50



#### Radiallock Caps

PART	DESCRIPTION	PRICE (B)
40269-01	Universal Slot - Red	.95
40269-02	Universal Slot - White	.95
40269-03	Universal Slot - Green	.95
40269-04	Universal Slot - Yellow	.95
40276-01	Universal Slot - AI Tips	1.05
40276-02	Universal Slot - AI Tips	1.05
40276-03	Universal Slot - AI Tips	1.05
40276-04	Universal Slot - AI Tips	1.05
40271-01	Universal Round - Red	1.05
40271-02	Universal Round - White	1.05
40271-03	Universal Round - Green	1.05
40271-04	Universal Round - Yellow	1.05
40273-02	1/4" NPT Outlet	1.30
40274-04	Yellow - 1/4" NPT 45° Outlet	3.00
40272-01	Plug - Red	1.05
40272-03	Plug - Green	1.05
40272-04	Plug - Yellow	1.05



#### Adapters c/w Seal

- Easily converts Quick-Jet bodies to Combo-Jet or Combo-Jet to Quick-Jet bodies. Includes O-ring

PART	DESCRIPTION	PRICE (B)
40200-00	Adapter, TeeJet to Combo-Jet	2.40
40203-00	Adapter, Combo-Jet to TeeJet	2.40
40204-00	Adapter, TeeJet to Combo-Jet	2.45

NOTE: Part # 40204-00 is a new, easy-to-use twist on/off design. Original 40200-00 (not shown) snaps onto body.





### Combo-Rate Diaphragm Shut-Off

PART	DESCRIPTION	PRICE (B)
41100-00	Thru Body Diaphragm Shut-Off	9.05
41101-00	End Body Diaphragm Shut-Off	8.25
41200	1" Saddle Clamp for 3/8" Hole in Boom Pipe	6.25
41201-00	1" Saddle Clamp for 9/16" Hole in Boom Pipe	6.25
41206-00	2" Tube Saddle for 9/16" Hole in Boom Pipe	7.25
41131-00	End Body Relief Valve	17.25
41130-00	Thru Body Relief Valve (not shown)	18.40



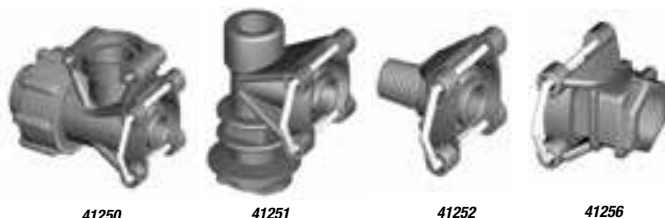
### Combo-Rate Manual On/Off

PART	DESCRIPTION	PRICE (B)
41110-00	Thru Body Manual On/Off	10.35
41110-01	Shut-Off Replacement Assembly	4.50
41111-00	End Body Manual On/Off	9.60
41200	1" Saddle Clamp for 3/8" Hole in Boom Pipe	6.25
41201-00	1" Saddle Clamp for 9/16" Hole in Boom Pipe	6.25
41206-00	2" Tube Saddle for 9/16" Hole in Boom Pipe	7.25



### Capstan System

PART	DESCRIPTION	PRICE (B)
41135	Thru Body Capstan Without Nut	4.10
41136	End Body Capstan Without Nut	3.10
41150	Interbody Filter - 50 Mesh (Red)	2.30
41151	Interbody Filter - 100 Mesh (Green)	2.30
41152	Interbody Filter - 80 Mesh (Grey)	2.30



### Accessories

PART	DESCRIPTION	PRICE (B)
41250-00	Diaphragm 90° Elbow	6.15
41251	1/4" NPT Adapter	4.30
41252-00	1/4" NPT Male Adapter	2.45
41253	3/8" NPT Male Adapter	2.45
41255-00	1/4" NPT Female Adapter	3.60
41256	3/8" NPT Female Adapter	3.60



### Kwik Stop Nozzle Bodies

PART	DESCRIPTION	PRICE (B)
40116-00	Single Body Kwik Stop TeeJet Outlet	7.90
40117-00	Double Body Kwik Stop TeeJet Outlet	20.25
40118-00	Triple Body Kwik Stop TeeJet Outlet	24.90
40258-00	Double Body Kwik Stop Combo-Jet Outlet	20.25
40259-00	Single Body Kwik Stop Combo-Jet Outlet	7.90
40268-00	Triple Body Kwik Stop Combo-Jet Outlet	24.90



### COMBO-RATE II Fluid Bottom / Top Take-Off Saddles

COMBO-RATE II series saddles have a universal mount that allows them to be mounted with the fluid take-off stem at the bottom of the boom pipe. This allows them to be utilized for both new and retro-fit applications.

- Can also be mounted with fluid take-off on top of boom to reduce nozzle run-on caused by trapped air.
- Available with one or two COMBO-CLIP outlets
- Bolt-Mount style available by special order; please inquire.

PART	DESCRIPTION	PRICE (B)
41371-00	One-Way Standard 1/2" Pipe x 3/8" Inlet	6.40
41372-00	Two-Way Standard 1/2" Pipe x 3/8" Inlet	8.05
41375-00	One-Way Standard 1" Pipe x 3/8" Inlet	6.40
41376-00	Two-Way Standard 1" Pipe x 3/8" Inlet	8.05
41377-00	One-Way Standard 1" Pipe x 9/16" Inlet	6.40
41378-00	Two-Way Standard 1" Pipe x 9/16" Inlet	8.05



### COMBO-RATE II SADDLES with Integrated Nozzle Bodies

- Available with one or two COMBO-CLIP outlets.
- Nozzle is directly below boom; additional nozzles outset 2" either side.
- Compact, quick to mount, and economical.
- Bolt-Mount style available by special order; please inquire.

Model	Standard (B)			
	Diaph. Check Valve	Manual On / Off	Blended Pulse	
1/2" One-Way	41311-00 15.00	41313-00 16.60	41317-00 10.05	
1/2" Two-Way	41312-00 16.65	41314-00 18.25	41318-00 11.70	
1" One-Way 3/8" Inlet	41331-00 15.00	41333-00 16.60	41337-00 10.05	
1" Two-Way 3/8" Inlet	41332-00 16.65	41334-00 18.25	41338-00 11.70	
1" One-Way 9/16" Inlet	41341-00 15.00	41343-00 16.60	41347-00 10.05	
1" Two-Way 9/16" Inlet	41342-00 16.65	41344-00 18.25	41348-00 11.70	
1" One-Way KwikSTOP	41351-00 16.65	41353-00 18.25	41357-00 11.15	
1" Two-Way KwikSTOP	41352-00 18.50	41354-00 20.30	41358-00 13.00	



### Combo-Rate® II Side Take-Off Turrets

This innovative Combo-Rate® turret has been designed to improve flexibility when installed on any Combo-Rate nozzle body. Stocked in 3-Outlet and 5-Outlet configurations, also available by special order in 2-Outlet and 4-Outlet configurations.

- More compact than ever.
- Less weight leveraged off the boom pipe.
- Extra prevention of snagged components on boom.
- Reversible design adapts to interference with boom structure and fittings.
- Reversible to LEFT / RIGHT version in seconds.
- Compatible with any Combo-Rate Nozzle Bodies.
- Ideal for Pulse Width Modulation (PWM) sprayers and tight boom layouts.

PART	DESCRIPTION	PRICE (B)
<b>Combo-Rate II Diaphragm Check Valve Configuration</b>		
41603-00	3-Outlet Side Turret Body w/ Diaphragm Check Valve	21.20
41605-00	5-Outlet Side Turret Body w/ Diaphragm Check Valve	21.20
<b>Combo-Rate II Manual ON / OFF Configuration</b>		
41613-00	3-Outlet Side Turret Body w/ Diaphragm Check – Manual ON/OFF	22.50
41615-00	5-Outlet Side Turret Body w/ Diaphragm Check – Manual ON/OFF	22.50
<b>Combo-Rate II Pulse Width Modulation (w/o nut) Configuration**</b>		
41633-00	3-Outlet Side Turret Body – without Nut	16.40
41635-00	5-Outlet Side Turret Body – without Nut	16.40

\*\* PWM bodies/turrets do not include a body nut. A control module or PWM solenoid is required.



41615-00 shown  
Spray Tips sold separately



41464-00 shown (with stacked Turret, End Body, and Nozzles)



41505-00 shown



41515-00 shown

### Combo-Jet Turret Nozzle Bodies

PART	DESCRIPTION	PRICE (B)
41502-00	Turret Body – 2 Outlet	18.10
41503-00	Turret Body – 3 Outlet	18.10
41504-00	Turret Body – 4 Outlet	18.10
41505-00	Turret Body – 5 Outlet	18.10

### Combo-Jet Turret Nozzle Bodies w/ Manual ON/OFF

PART	DESCRIPTION	PRICE (B)
41512-00	Turret Body – 2 Outlet w/ ON/OFF	19.40
41513-00	Turret Body – 3 Outlet w/ ON/OFF	19.40
41514-00	Turret Body – 4 Outlet w/ ON/OFF	19.40
41515-00	Turret Body – 5 Outlet w/ ON/OFF	19.40

### Super High-Flow Combo-Rate II (CRII) Nozzle Bodies

Designed for sprayers that are applying high rates of liquid fertilizer or chemical, Combo-Rate II high flow nozzle bodies will not leave you missing out.

- 21/32" Inlet can produce up to 45% more flow.
- Spray nearly 60 US Gallons per Acre @ 15 MPH with a single outlet (and more if stacked!)
- Left / Right Reversible.
- Use with any Combo-Rate fittings.
- Stacking body for PWM + Non-PWM spraying.
- Slotted inlet drains debris.

**DIFFERENT CONFIGURATIONS AVAILABLE;**  
Please inquire with our office  
for more information and pricing.



Shown with  
40256-00 Body

### Twin Cap Adapter

PART	DESCRIPTION	PRICE (B)
40440-00	Adapter (shown w/ body)	4.75



41535-00 shown



41110-01

41200 / 41201

### Combo-Jet Turret Nozzle Bodies – Less Nut

PART	DESCRIPTION	PRICE (B)
41532-00	Turret Body – 2 Outlet less net	13.50
41533-00	Turret Body – 3 Outlet less net	13.50
41534-00	Turret Body – 4 Outlet less net	13.50
41535-00	Turret Body – 5 Outlet less net	13.50

### Combo-Jet Turret Nozzle Body Accessories

PART	DESCRIPTION	PRICE (B)
41200	1" Saddle Clamp – 3/8" boom hole	6.25
41201	1" Saddle Clamp – 9/16" boom hole	6.25
41110-01	Manual Shut-Off Assembly – less diaphragm	4.50
50155-07	Fairprene Diaphragm (not shown)	.90



40470

40471

### Conversion Adapters

PART	DESCRIPTION	PRICE (B)
40470-00	Dual Adapter	10.00
40471-00	Triple Adapter	13.75

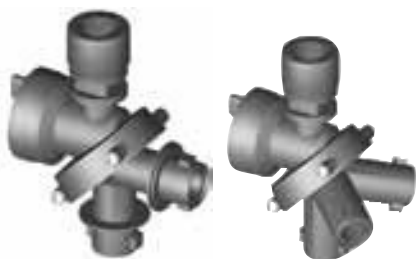


40473

40472

### Conversion Adapters (To Teejet)

PART	DESCRIPTION	PRICE (B)
40472-00	Dual Adapter Combo-Jet to TeeJet	10.00
40473-00	Triple Adapter Combo-Jet to TeeJet	13.75



40152-00

40153-00



40352-00

40353-00



### Combo-Jet Dry TeeJet Dry Boom Nozzle Bodies

PART	DESCRIPTION	PRICE (B)
40152-00	Double Outlet, 3/8" NPTF	16.45
40153-00	Triple Outlet, 3/8" NPTF	20.70

### Combo-Jet Dry Boom Nozzle Bodies

PART	DESCRIPTION	PRICE (B)
40352-00	Single Outlet, 3/8" NPTF	8.85
40353-00	Double Outlet, 3/8" NPTF	16.45

### Combo-Jet Boom Nozzle Bodies

PART	DESCRIPTION	PRICE (B)
40354-00	Triple Outlet, 3/8" NPTF	20.70

\* Note: Bodies use TeeJet-style cap



### Dry Boom Elbows

PART	DESCRIPTION	PRICE (B)
40301-00	3/8" NPTM x 3/8" Hose	2.15
40306-00	3/8" NPTM x 1/2" Hose	2.15
40311-00	3/8" NPTM x 3/4" Hose	2.15



### Dry Boom Tees

PART	DESCRIPTION	PRICE (B)
40302-00	3/8" NPTM x 3/8" Hose	2.15
40307-00	3/8" NPTM x 1/2" Hose	2.15
40312-00	3/8" NPTM x 3/4" Hose	2.15



### Dry Boom Triple

PART	DESCRIPTION	PRICE (B)
40313-00	3/8" NPTM x 3/4" Hose (6/8" and 1/2" N/A)	2.85



### Caps (Fits TeeJet)

PART	DESCRIPTION	PRICE (B)
40159-01	Red Cap Fits TeeJet	.80
40159-02	White Cap Fits TeeJet	.80
40159-03	Green Cap Fits TeeJet	.80
40159-04	Yellow Cap Fits TeeJet	.80



### Tip Strainers

PART	DESCRIPTION	PRICE (B)
40150-00	50M	1.05
40151-00	100M	1.05



### Seals

PART	DESCRIPTION	PRICE (B)
40160-00	EPDM Gasket for Cap	.60

### Boom End Flush Valve

- Special compact design fits most existing boom constructions.
- Large internal diameter to maximize flow and minimize residue build-up.
- Quick and easy installation.
- Chemical and UV resistant material.
- Two versions: TWS (CNH) and 1 1/4" QN SST.
- TWS version fits CNH Patriot sprayers w/ TWS Fittings and mates to 41400-00 tube end adapter. #25160-02 Viton O-ring required.
- 1 1/4" QN SST version fits Wilger Quick-Nut SS tube fittings and mates to 25171-00 boom end adapter. Can also be retrofitted using O-ring to any 1 1/4" NPT male thread. #41210-03 O-ring required.

PART	DESCRIPTION	PRICE (B)
41402-V0	Boom End Flush Valve – TWS style	26.80
25160-02	O-ring for 41402-V0 (required)	.70
25175-V0	Boom End Flush Valve – QN SST style	26.80
41210-03	O-ring for 25175-V0 (required)	.70



### Boom Flush Valve Adapter Kit

- Fits 41402-V0 for Case/IH.
- TWS x 1" FNPT.
- Includes Adapter and Viton O-ring.
- O-ring also available separately.

PART	DESCRIPTION	PRICE (B)
41403-V0	TWS x 1" FNPT	5.30
41210-V3	O-ring (Viton)	2.00

### Boom Flush Valve Adapter Kit

- Fits 25175-V0 Boom Flush Nozzle
- 1 1/4" x 1" FNPT.
- Includes Adapter and Viton O-ring.
- O-ring also sold separately.

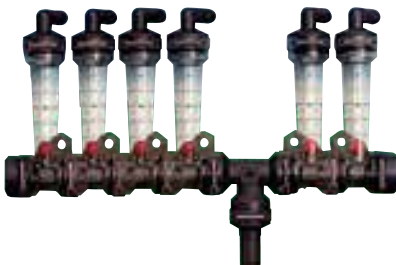
PART	DESCRIPTION	PRICE (B)
25137-V0	1 1/4" x 1" FNPT	5.30
41210-V3	O-ring (Viton)	2.00





## Manifold Flow Indicators

- Each flow indicator supplies up to three nozzles.
- Indicator balls hover at about same height when functioning properly,
- A ball hovering at a lower height than the others indicates flow restrictions such as plugged tip.



### Boom Set Up

Above example 6-section boom set up requires the following parts:

- 6 x 20460-00 Flow Assemblies
- 6 x 205\*\*-00 Elbows (indicate size)
- 2 x 20521-00 Cap
- 1 x 20522-00 Tee
- 1 x 205\*\*-00 (indicate size)

## Isolated Feed Indicators

- Designed for single line applications – each unit fed from bottom, outlet port at top.
- Unique offset body configuration allows units to be “ganged” together into a bank as required.
- Quarter-turn Radialock inlet fittings enable quick assembly or removal.



### Boom Set Up

Above example 3 body boom set up requires the following parts:

- 3 x 20480-00 Flow Assemblies
- 3 x 205\*\*-00 Elbows (indicate size)
- 3 x 404\*\*-00 Radialock Hose Barb (indicate hose barb size)
- 1 x 40260-00 O-ring Seal



### Metering Orifices

Metering orifices can be inserted in place of the flow indicator ball retainer and utilized to control flows ranging from 0.004 to 8.0 US gallons per minute.

PART	DESCRIPTION	PRICE (B)
21000-00	Blank	.90
21025-00	.025	5.65
21055-00	.055	5.65
21104-00	.104	5.65
21250-00	.250	5.65

Call Even-Spray for orifice selection information.

### Flow Indicator Balls

Standard Flow Rates; based on water.

PART	DESCRIPTION	PRICE (B)
20460-09	Black Plastic – .03 to .09 US GPM	.90
20460-08	Green Plastic – .05 to .18 US GPM	.90
20460-07	Red Plastic – .09 to .30 US GPM	.90
20460-06	Red Glass – .31 to .72 US GPM	.90
20460-05	1/2" Stainless Steel – .40 to 1.33 US GPM	1.85
20460-10	7/16" Stainless Steel – 1.00 to 2.70 US GPM	2.00



### Manifold Flow Indicator Assembly

Comes with 1 body, 1 ball retainer, 2 locking clips, 1 O-ring, 4 indicator balls (black, green, red, 1/2" SS).

PART	DESCRIPTION	PRICE (B)
20460-00	Mani Flow Assembly	25.10

### Individual Parts

PART	DESCRIPTION	PRICE (B)
20460-01	Mani Std. Flow Body	15.50
20460-02	Ball Retainer	.75
20460-03	O-ring BUNA-N	.35
20460-04	U Locking Clip - SS	1.95



### Isolated Flow Indicator Assembly

Comes with 1 body, ball retainer, 1 locking clip, 3 indicator balls (green, red, 1/2" SS).

PART	DESCRIPTION	PRICE (B)
20480-00	Iso Flow Assembly	19.70



### 90° Elbow

PART	DESCRIPTION	PRICE (B)
20520-00	90° Elbow	7.30



### Cap / Fitting Assembly

PART	DESCRIPTION	PRICE (B)
20521-00	Cap	3.95
20535-00	Female x 1/4" FNPT	4.15
20536-00	Female x 3/8" FNPT	4.15
20537-00	Female x 1/2" FNPT	4.15



### Straight Fittings

PART	DESCRIPTION	PRICE (B)
20501-00	3/8" Hose Barb	3.45
20502-00	1/2" Hose Barb	3.45
20503-00	3/4" Hose Barb	3.45



### Elbows

PART	DESCRIPTION	PRICE (B)
20511-00	3/8" Hose Barb	3.45
20512-00	1/2" Hose Barb	3.45
20513-00	3/4" Hose Barb	3.45



### 1/4" Adapter

PART	DESCRIPTION	PRICE (B)
20518-00	1/4" Elbow Adapter	3.45
20519-00	1/4" Straight Adapter	3.45



### Push-In Tube Connector Elbows

Friction-fit style hose 90° connectors

PART	DESCRIPTION	PRICE (B)
20516-00	1/4" Hose x Elbow	6.05
20517-00	3/8" Hose x Elbow	6.75



### 1" Tee

Comes with 1/4" FNPT gauge port; must be drilled to open flow to the gauge.

PART	DESCRIPTION	PRICE (B)
20525-00	1" Tee	9.20



### Tees

PART	DESCRIPTION	PRICE (B)
20522-00	Tee	9.20
20523-00	Tee Blind at Female	7.70



### Hypro XT® Boom XTender Tips

#### XT Boomless Technology

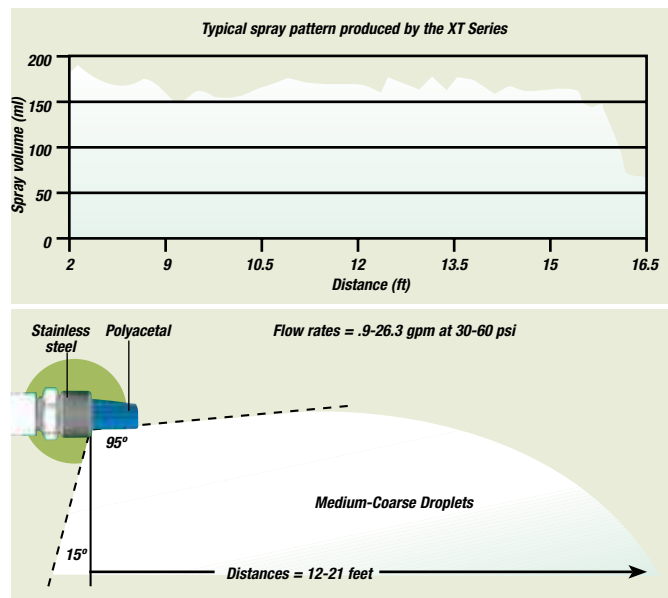
The XT introduces boomless spray technology enabling spray to be targeted into places that conventional booms and other nozzles cannot reach. The XT delivers a uniform, even spray pattern over a distance of up to 21 feet. In addition, its unique stepped slot design reduces the number of fine droplets so that spray drift is a thing of the past!

#### Features and Benefits:

- Ideal for applications where a conventional boom cannot be used due to man-made or natural obstacles; e.g., powerpoles, guardrails, fences, trees, etc.
- Excellent for use as last boom tip to reduce spray drift.
- Precision molded polyacetal tip and machined stainless steel body provides excellent durability.
- All stainless steel bodies have standard male pipe threads.
- Maintains a consistent spray swath of 12-21 feet over a pressure range of 30-60 psi.
- Can be used with simple or advanced manual or automatic rate controllers.
- Large droplet size reduces spray drift and promotes crop penetration.
- Off-center, flat fan spray pattern of 110° and over.
- Easy to install, low maintenance.

#### Spray Characteristics:

- Flat fan 15°/95° off-center.
- Medium to coarse droplet size.
- High GPM, wide spray swath.
- Even spray pattern.



BROADCAST AND TURF APPLICATIONS				APPLICATION RATE (GPA) (Miles per hour)												GAL/1000FT Squared				SWATH WIDTH (ft)
THREAD	XT MODEL	PRICE (B)	PSI	GPM	4	5	6	7	8	10	12	14	16	18	20	2	3	4	5	40 PSI
1/4" MNPT	TPXT010	121.00	30	.09	8.9	7.1	6.0	5.1	4.5	3.6	3.0	2.6	2.2	2.0	1.8	0.41	0.27	0.20	0.16	12
			40	1.0	10.3	8.3	6.9	5.9	5.2	4.1	3.4	2.9	2.6	2.3	2.1	0.47	0.31	0.24	0.19	
			50	1.1	11.5	9.2	7.7	6.6	5.8	4.6	3.8	3.3	2.9	2.6	2.3	0.53	0.35	0.26	0.21	
			60	1.2	12.6	10.1	8.4	7.2	6.3	5.1	4.2	3.6	3.2	2.8	2.5	0.58	0.39	0.29	0.23	
1/4" MNPT	TPXT020 TPXT020FC	123.35 81.55	30	1.7	12.6	10.1	8.4	7.2	6.3	5.0	4.2	3.6	3.2	2.8	2.5	0.58	0.38	0.29	0.23	17
			40	2.0	14.6	11.6	9.7	8.3	7.3	5.8	4.9	4.2	3.6	3.2	2.9	0.67	0.44	0.33	0.27	
			50	2.2	16.3	13.0	10.9	9.3	8.1	6.5	5.4	4.7	4.1	3.6	3.3	0.75	0.50	0.37	0.30	
			60	2.4	17.8	14.3	11.9	10.2	8.9	7.1	5.9	5.1	4.5	4.0	3.6	0.82	0.54	0.41	0.33	
1/4" MNPT	TPXT024 TPXT024FC	123.35 81.55	30	2.1	14.3	11.4	9.5	8.2	7.1	5.7	4.8	4.1	3.6	3.2	2.9	0.65	0.44	0.33	0.26	18
			40	2.4	16.5	13.2	11.0	9.4	8.3	6.6	5.5	4.7	4.1	3.7	3.3	0.76	0.50	0.38	0.30	
			50	2.7	18.0	14.8	12.3	10.5	9.2	7.4	6.1	5.3	4.6	4.1	3.7	0.84	0.56	0.42	0.34	
			60	2.9	20.0	16.2	13.5	11.5	10.1	8.1	6.7	5.8	5.1	4.5	4.0	1.00	0.65	0.49	0.39	
3/8" MNPT	TPXT043 TPXT043FC	144.70 99.05	30	3.7	23.0	18.4	15.4	13.2	11.5	9.2	7.7	6.6	5.8	5.1	4.6	1.10	0.70	0.53	0.42	20
			40	4.3	27.0	21.3	17.7	15.2	13.3	10.6	8.9	7.6	6.7	5.9	5.3	1.20	0.81	0.61	0.49	
			50	4.8	30.0	23.8	19.8	17.0	14.9	11.9	9.9	8.5	7.4	6.6	5.9	1.40	0.91	0.68	0.54	
			60	5.3	33.0	26.1	21.7	18.6	16.3	13.0	10.9	9.3	8.1	7.2	6.5	1.50	1.00	0.75	0.60	
1/2" MNPT	TPXT080	144.70	30	6.9	41.0	33.0	27.0	23.0	20.0	16.3	13.6	11.7	10.2	9.1	8.2	1.90	1.20	0.90	0.75	21
			40	8.0	47.0	38.0	31.0	27.0	24.0	19.0	15.7	13.5	11.8	10.5	9.4	2.20	1.40	1.10	0.86	
			50	8.9	53.0	42.0	35.0	30.0	26.0	21.0	17.6	15.1	13.2	11.7	10.5	2.40	1.60	1.20	1.00	
			60	9.8	58.0	46.0	38.0	33.0	29.0	23.0	19.0	16.5	14.4	12.8	11.5	2.60	1.80	1.30	1.10	
3/4" MNPT	TPXT167	161.30	30	14.5	99.0	80.0	66.0	57.0	50.0	40.0	33.0	28.0	25.0	22.1	19.9	4.60	3.00	2.30	1.80	18
			40	16.7	115.0	92.0	77.0	66.0	57.0	46.0	38.0	33.0	29.0	25.5	23.0	5.30	3.50	2.60	2.10	
			50	18.7	128.0	103.0	86.0	73.0	64.0	51.0	43.0	37.0	32.0	28.5	25.7	5.90	3.90	2.90	2.40	
			60	20.5	141.0	112.0	94.0	80.0	70.0	56.0	47.0	40.0	35.0	31.2	28.1	6.40	4.30	3.20	2.60	
3/4" MNPT	TPXT215	172.15	30	18.6	115.0	92.0	77.0	66.0	58.0	46.0	38.0	33.0	28.8	25.6	23.0	5.30	3.50	2.60	2.10	20
			40	21.5	133.0	106.0	89.0	76.0	67.0	53.0	44.0	38.0	33.0	30.0	26.6	6.10	4.10	3.00	2.40	
			50	24.0	149.0	119.0	99.0	85.0	74.0	59.0	50.0	42.0	37.0	33.0	30.0	6.80	4.50	3.40	2.70	
			60	26.3	163.0	130.0	109.0	93.0	81.0	65.0	54.0	47.0	41.0	36.0	33.0	7.50	5.00	3.70	3.00	

# HYPRO<sup>®</sup>

## GuardianAIR™ Spray Tips

Enhanced Coverage Air-Inclusion Spray Tips



The Hypro<sup>®</sup> GuardianAIR™ spray tip is the first and only tip to feature technology developed by Hypro for the Syngenta<sup>®</sup> Amistar™ spray tip. A unique rearward spray incline provides more uniform coverage with 10 GPM spray rates. Higher flow tips used at faster speeds have a greater spray incline.

- Optimized for the performance and productivity of the most common lower application rates, around 10 GPA.
- Produces air-induced sprays for reduced drift and environmental impact while increasing droplet deposition and retention on the foliage.
- Provides better coverage with more drops per gallon compared to other common air-induced spray tips.
- Spray incline is speed-optimized to allow more uniform coverage on the front and back of the foliage for a wide range of speeds.
- Boosts productivity with tip sizes for speeds from 3 to over 20 MPH, including the only size “035” tip of its kind with a 10 – 14 MPH sweet spot.
- Each tip is clearly marked with an arrow indicating the direction of travel.
- Available in 7 sizes to fit either a standard QJ25611-\* cap or integrated as a FastCap<sup>®</sup>, which includes the cap and gasket for easy installation.
- Pressure Range – 15 to 115 PSI; Spray Angle - 110°.

PART	DESCRIPTION	PRICE (€)
TPFCGA110-015	FastCap <sup>®</sup> GuardianAIR Spray Tip (w/ cap & gasket)	14.30
TPFCGA110-02	FastCap <sup>®</sup> GuardianAIR Spray Tip (w/ cap & gasket)	14.30
TPFCGA110-025	FastCap <sup>®</sup> GuardianAIR Spray Tip (w/ cap & gasket)	14.30
TPFCGA110-03	FastCap <sup>®</sup> GuardianAIR Spray Tip (w/ cap & gasket)	14.30
TPFCGA110-035	FastCap <sup>®</sup> GuardianAIR Spray Tip (w/ cap & gasket)	14.30
TPFCGA110-04	FastCap <sup>®</sup> GuardianAIR Spray Tip (w/ cap & gasket)	14.30
TPFCGA110-05	FastCap <sup>®</sup> GuardianAIR Spray Tip (w/ cap & gasket)	14.30
TPGA110-015	GuardianAIR Spray Tip	11.90
TPGA110-02	GuardianAIR Spray Tip	11.90
TPGA110-025	GuardianAIR Spray Tip	11.90
TPGA110-03	GuardianAIR Spray Tip	11.90
TPGA110-035	GuardianAIR Spray Tip	11.90
TPGA110-04	GuardianAIR Spray Tip	11.90
TPGA110-05	GuardianAIR Spray Tip	11.90



## Hypro TwinCap™

The Hypro TwinCap™ is a simple, compact way to use two spray tips back to back to create a high coverage twin spray.

- Holds & aligns standard dimension fan pattern spray tips such as GuardianAIR, Hypro Ultra Low Drift, and TeeJet tips that fit the standard TeeJet QJ25611 cap.

PART	DESCRIPTION	PRICE (€)
152607TC	Hypro TwinCap	9.10

## GuardianAIR™ Twin Spray Tips

30° Opposed Twin Angle Air-Inclusion Spray Tips



The Hypro<sup>®</sup> GuardianAIR Twin™ spray tip is the best choice for high coverage applications where on-target spray delivery is important. They are ideal for low crops with complex canopies, such as vegetables, where thorough coverage of the target and protection of the surroundings are of high importance.

- Ideal for high-coverage application of post-emerge plant health protectants.
- High-coverage 30° forward and 30° rear facing fans help penetrate complex canopies requiring more thorough coverage.
- Incorporates the fundamental characteristics of uniform coverage and reduced drift from the world-renowned GuardianAIR tip range.
- Easy-to-install patent-pending locking ring and o-ring seal design makes installation a snap and sealing a sure thing.
- Dust is sealed out by the locking ring to reduce contamination of the nozzle when removing it from the sprayer.
- Integrated strainers are matched to the nozzle size to prevent over-straining or plugging.
- Available in 7 sizes from “02” to “08” (including “025”) and colour coded to indicate the flow for the entire spray assembly.
- Pressure Range – 30 to 115 PSI; Spray Angle - 110°.

PART	DESCRIPTION	PRICE (€)
TPGAT110-02	GuardianAIR Twin Spray Tip (w/ cap, gasket, strainer)	15.40
TPGAT110-025	GuardianAIR Twin Spray Tip (w/ cap, gasket, strainer)	15.40
TPGAT110-03	GuardianAIR Twin Spray Tip (w/ cap, gasket, strainer)	15.40
TPGAT110-035	GuardianAIR Twin Spray Tip (w/ cap, gasket, strainer)	15.40
TPGAT110-04	GuardianAIR Twin Spray Tip (w/ cap, gasket, strainer)	15.40
TPGAT110-05	GuardianAIR Twin Spray Tip (w/ cap, gasket, strainer)	15.40
TPGAT110-06	GuardianAIR Twin Spray Tip (w/ cap, gasket, strainer)	15.40
TPGAT110-08	GuardianAIR Twin Spray Tip (w/ cap, gasket, strainer)	15.40
TS02-50	50-mesh replacement strainer for all tip sizes	2.20
65-BS205	Replacement Cap Gasket for all sizes	.75



## Guardian Spray Tip

- All-in-one FastCap (cap/tip/strainer/gasket) design eliminates loose parts.
- 120° Spray angle with 20° incline can be aimed forward or rearward to suit the desired application.
- Available in 015, 02, 025, 03, 04, 05, 06, and 08 sizes; specify size.

PART	DESCRIPTION	PRICE (€)
TPGRD120-**	Guardian FastCap Spray Tip (please specify size)	11.90



## Hypro Ultra Low Drift™ 120° Spray Tip

- Creates air-filled droplets that significantly reduce spray drift.
- Available in 01, 015, 02, 025, 03, 04, 05, 06, and 08 sizes; specify size.

PART	DESCRIPTION	PRICE (€)
TPULD120-**	Ultra Low Drift Spray Tip (please specify size)	13.30



## HYPRO® 3D NOZZLE

## INCLINED ALL-PURPOSE NOZZLE FOR OPTIMUM SPRAY COVERAGE

- Designed in partnership with Syngenta using wind tunnel research and more than 10 years of agronomic field trials.
- Inclined spray is designed to be installed alternating forward and backward on boom to provide 3-dimensional coverage on vertical targets such as grass weeds, soil clods, and broad-leaved canopies.
- PWM compatible; install 3-D nozzles facing the same direction when using with PWM systems at less than 30Hz.
- FastCap version utilizes the SnapLock cap technology, reducing installation torque requirement by 73% (Internal testing – standard FastCap versus SnapLock Cap).

Nozzle Size	Droplet Size	Pressure (PSI)	Flow (GPM)	Speed (MPH) - 20 inch nozzle spacing										
				Gallons per Acre										
				5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0
015	C	10"	0.08	4.5	3.0	2.2	1.8	1.5	1.3	1.1	1.0	0.9	0.8	0.7
	M	15"	0.09	5.5	3.6	2.7	2.2	1.8	1.6	1.4	1.2	1.1	1.0	0.9
	M	20	0.11	6.3	4.2	3.2	2.5	2.1	1.8	1.6	1.4	1.3	1.1	1.1
	F	30	0.13	7.7	5.1	3.9	3.1	2.6	2.2	1.9	1.7	1.5	1.4	1.3
	F	40	0.15	8.9	5.9	4.5	3.6	3.0	2.5	2.2	2.0	1.8	1.6	1.5
	F	50	0.17	10.0	6.6	5.0	4.0	3.3	2.8	2.5	2.2	2.0	1.8	1.7
	F	60	0.18	10.9	7.3	5.5	4.4	3.6	3.1	2.7	2.4	2.2	2.0	1.8
	F	70	0.20	11.8	7.9	5.9	4.7	3.9	3.4	2.9	2.6	2.4	2.1	2.0
	F	80	0.21	12.6	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5	2.3	2.1
	F	90	0.23	13.4	8.9	6.7	5.3	4.5	3.8	3.3	3.0	2.7	2.4	2.2
02	M	10"	0.10	5.9	4.0	3.0	2.4	2.0	1.7	1.5	1.3	1.2	1.1	1.0
	M	15"	0.12	7.3	4.8	3.6	2.9	2.4	2.1	1.8	1.6	1.5	1.3	1.2
	M	20	0.14	8.4	5.6	4.2	3.4	2.8	2.4	2.1	1.9	1.7	1.5	1.4
	M	30	0.17	10.3	6.9	5.1	4.1	3.4	2.9	2.6	2.3	2.1	1.9	1.7
	F	40	0.20	11.9	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4	2.2	2.0
	F	50	0.22	13.3	8.9	6.6	5.3	4.4	3.8	3.3	3.0	2.7	2.4	2.2
	F	60	0.24	14.5	9.7	7.3	5.8	4.8	4.2	3.6	3.2	2.9	2.6	2.4
	F	70	0.26	15.7	10.5	7.9	6.3	5.2	4.5	3.9	3.5	3.1	2.9	2.6
	F	80	0.28	16.8	11.2	8.4	6.7	5.6	4.8	4.2	3.7	3.4	3.1	2.8
	F	90	0.30	17.8	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2	3.0
025	C	10"	0.13	7.4	5.0	3.7	3.0	2.5	2.1	1.9	1.7	1.5	1.4	1.2
	M	15"	0.15	9.1	6.1	4.5	3.6	3.0	2.6	2.3	2.0	1.8	1.7	1.5
	M	20	0.18	10.5	7.0	5.3	4.2	3.5	3.0	2.6	2.3	2.1	1.9	1.8
	M	30	0.22	12.9	8.6	6.4	5.1	4.3	3.7	3.2	2.9	2.6	2.3	2.1
	M	40	0.25	14.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0	2.7	2.5
	F	50	0.28	16.6	11.1	8.3	6.6	5.5	4.7	4.2	3.7	3.3	3.0	2.8
	F	60	0.31	18.2	12.1	9.1	7.3	6.1	5.2	4.5	4.0	3.6	3.3	3.0
	F	70	0.33	19.6	13.1	9.8	7.9	6.5	5.6	4.9	4.4	3.9	3.6	3.3
	F	80	0.35	21.0	14.0	10.5	8.4	7.0	6.0	5.3	4.7	4.2	3.8	3.5
	F	90	0.38	22.3	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5	4.1	3.7
03	VC	10"	0.15	8.9	5.9	4.5	3.6	3.0	2.5	2.2	2.0	1.8	1.6	1.5
	C	15"	0.18	10.9	7.3	5.5	4.4	3.6	3.1	2.7	2.4	2.2	2.0	1.8
	M	20	0.21	12.6	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5	2.3	2.1
	M	30	0.26	15.4	10.3	7.7	6.2	5.1	4.4	3.9	3.4	3.1	2.8	2.6
	M	40	0.30	17.8	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2	3.0
	M	50	0.34	19.9	13.3	10.0	8.0	6.6	5.7	5.0	4.4	4.0	3.6	3.3
	F	60	0.37	21.6	14.5	10.9	8.7	7.3	6.2	5.5	4.8	4.4	4.0	3.6
	F	70	0.40	23.6	15.7	11.8	9.4	7.9	6.7	5.9	5.2	4.7	4.3	3.9
	F	80	0.42	25.2	16.8	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.6	4.2
	F	90	0.45	26.7	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3	4.9	4.5
35	VC	10"	0.18	10.4	6.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1	1.9	1.7
	C	15"	0.21	12.7	8.5	6.4	5.1	4.2	3.6	3.2	2.8	2.5	2.3	2.1
	C	20	0.25	14.7	9.8	7.4	5.9	4.9	4.2	3.7	3.3	2.9	2.7	2.5
	M	30	0.30	18.0	12.0	9.0	7.2	6.0	5.1	4.5	4.0	3.6	3.3	3.0
	M	40	0.35	20.8	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.8	3.5
	M	50	0.39	23.2	15.5	11.6	9.3	7.7	6.6	5.8	5.2	4.6	4.2	3.9
	M	60	0.43	25.5	17.0	12.7	10.2	8.5	7.3	6.4	5.7	5.1	4.6	4.2
	M	70	0.46	27.5	18.3	13.8	11.0	9.2	7.9	6.9	6.1	5.5	5.0	4.6
	F	80	0.49	29.4	19.6	14.7	11.8	9.8	8.4	7.4	6.5	5.9	5.3	4.9
	F	90	0.53	-	20.8	15.6	12.5	10.4	8.9	7.8	6.9	6.2	5.7	5.2
04	XC	10"	0.20	11.9	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4	2.2	2.0
	VC	15"	0.24	14.5	9.7	7.3	5.8	4.8	4.2	3.6	3.2	2.9	2.6	2.4
	C	20	0.28	16.8	11.2	8.4	6.7	5.6	4.8	4.2	3.7	3.4	3.1	2.8
	M	30	0.35	20.6	13.7	10.3	8.2	6.9	5.9	5.1	4.6	4.1	3.7	3.4
	M	40	0.40	23.8	15.8	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.3	4.0
	M	50	0.45	26.6	17.7	13.3	10.6	8.9	7.6	6.6	5.9	5.3	4.8	4.4
	M	60	0.49	29.1	19.4	14.5	11.6	9.7	8.3	7.3	6.5	5.8	5.3	4.8
	M	70	0.53	-	21.0	15.7	12.6	10.5	9.0	7.9	7.0	6.3	5.7	5.2
	M	80	0.57	-	22.4	16.8	13.4	11.2	9.6	8.4	7.5	6.7	6.1	5.6
	F	90	0.60	-	23.8	17.8	14.3	11.9	10.2	8.9	7.9	7.1	6.5	5.9
05	XC	10"	0.25	14.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0	2.7	2.5
	VC	15"	0.31	18.2	12.1	9.1	7.3	6.1	5.2	4.5	4.0	3.6	3.3	3.0
	C	20	0.35	21.0	14.0	10.5	8.4	7.0	6.0	5.3	4.7	4.2	3.8	3.5
	C	30	0.43	25.7	17.1	12.9	10.3	8.6	7.3	6.4	5.7	5.1	4.7	4.3
	M	40	0.50	29.7	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.4	5.0
	M	50	0.56	-	22.1	16.6	13.3	11.1	9.5	8.3	7.4	6.6	6.0	5.5
	M	60	0.61	-	24.2	18.2	14.5	12.1	10.4	9.1	8.1	7.3	6.6	6.1
	M	70	0.66	-	26.2	19.6	15.7	13.1	11.2	9.8	8.7	7.9	7.1	6.5
	M	80	0.71	-	28.0	21.0	16.8	14.0	12.0	10.5	9.3	8.4	7.6	7.0
	M	90	0.75	-	29.7	22.3	17.8	14.9	12.7	11.1	9.9	8.9	8.1	7.4
06	XC	10"	0.30	17.8	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2	3.0
	VC	15"	0.37	21.8	14.5	10.9	8.7	7.3	6.2	5.5	4.8	4.4	4.0	3.6
	C	20	0.42	25.2	16.8	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.6	4.2
	C	30	0.52	-	20.6	15.4	12.3	10.3	8.8	7.7	6.9	6.2	5.6	5.1
	C	40	0.60	-	23.8	17.8	14.3	11.9	10.2	8.9	7.9	7.1	6.5	5.9
	M	50	0.67	-	26.6	19.9	15.9	13.3	11.4	10.0	8.9	8.0	7.2	6.6
	M	60	0.73	-	29.1	21.8	17.5	14.5	12.5	10.9	9.7	8.7	7.9	7.3
	M	70	0.79	-	-	23.6	18.9	15.7	13.5	11.8	10.5	9.4	8.6	7.9
	M	80	0.85	-	-	25.2	20.2	16.8	14.4	12.6	11.2	10.1	9.2	8.4
	M	90	0.90	-	-	26.7	21.4	17.8	15.3	13.4	11.9	10.7	9.7	8.9
08	XC	10"	0.40	23.8	15.8	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.3	4.0
	VC	15"	0.49	29.1	19.4	14.5	11.6	9.7	8.3	7.3	6.5	5.8	5.3	4.8
	VC	20	0.57	-	22.4	16.8	13.4	11.2	9.6	8.4	7.5	6.7	6.1	5.6
	C	30	0.69	-	27.4	20.6	16.5	13.7	11.8	10.3	9.1	8.2	7.5	6.9
	C	40	0.80	-	-	23.8	19.0	15.8	13.6	11.9	10.6	9.5	8.6	7.9
	M	50	0.89	-	-	26.6	21.3	17.7	15.2	13.3	11.8	10.6	9.7	8.9
	M	60	0.98	-	-	29.1	23.3	19.4	16.6	14.5	12.9	11.6	10.6	9.7
	M	70	1.06	-	-	-	25.1	21.0	18.0	15.7	14.0	12.6	11.4	10.5
	M	80	1.13	-	-	-	26.9	22.4	19.2	16.8	14.9	13.4	12.2	11.2
	M	90	1.20	-	-	-	28.5	23.8	20.4	17.8	15.8	14.3	13.0	11.9

Droplet size based on ASEB S572.1 standard.

\*For pressures lower than 15 PSI, nozzle spray angle may be reduced and will require a boom height of 30 inches to maintain spray distribution.





## Hypro PROFLO Nozzle Bodies

- Designed to deliver the highest flow rates across the spraying pressure range.
- Bayonet style attachment allows for automatic spray alignment using flat fan spray tips.
- Compact design makes mounting easier with less potential interference with the spray boom structure.
- ProFlo nozzle bodies come standard with an 8 PSI Diaphragm Check Valve.
- EPDM Seal is standard.
- Available in wet or dry boom versions.



### PROFLO Single Nozzle Body for Wet Boom

- EPDM Seal in Check Valve Assembly

PART	SIZE	PRICE (E)
4221N-B123	3/4" Boom pipe	8.00
4221N-B124	1" Boom pipe	12.10

### PROFLO Triple Nozzle Body for Wet Boom

- EPDM Seal in Check Valve Assembly

PART	SIZE	PRICE (E)
4222N-B323	3/4" Boom pipe body	24.60
4222N-B324	1" Boom pipe body	25.25



### PROFLO Hose Barb Dry Boom Nozzle Bodies w/ Diaphragm Check Valve

PART	DESCRIPTION	PRICE (E)
4241N-B121S	Single Hose Barb Dry Boom Nozzle Body – 3/8" hose barb	11.85
4241N-B122S	Single Hose Barb Dry Boom Nozzle Body – 1/2" hose barb	11.85
4241N-B123S	Single Hose Barb Dry Boom Nozzle Body – 3/4" hose barb	11.85
4241N-B121D	Double Hose Barb Dry Boom Nozzle Body – 3/8" hose barb	11.85
4241N-B122D	Double Hose Barb Dry Boom Nozzle Body – 1/2" hose barb	11.85
4241N-B123D	Double Hose Barb Dry Boom Nozzle Body – 3/4" hose barb	11.85
4241N-B121T	Triple Hose Barb Dry Boom Nozzle Body – 3/8" hose barb	11.85
4241N-B122T	Triple Hose Barb Dry Boom Nozzle Body – 1/2" hose barb	11.85
4241N-B123T	Triple Hose Barb Dry Boom Nozzle Body – 3/4" hose barb	11.85

### PROFLO Hose Barb Triple Nozzle Bodies w/ Diaphragm Check Valve

PART	DESCRIPTION	PRICE (E)
4242N-B322S	Single Hose Barb Triple Nozzle Body – 1/2" hose barb	24.90
4242N-B323S	Single Hose Barb Triple Nozzle Body – 3/4" hose barb	24.25
4242N-B322D	Double Hose Barb Triple Nozzle Body – 1/2" hose barb	24.25
4242N-B323D	Double Hose Barb Triple Nozzle Body – 3/4" hose barb	24.25



### PROFLO Hose Barb Dry Boom Nozzle Bodies w/ Top-Mounted Diaphragm Check Valve

PART	DESCRIPTION	PRICE (E)
4240N-B121S	Single Hose Barb Dry Boom Nozzle Body – 3/8" hose barb	9.80
4240N-B122S	Single Hose Barb Dry Boom Nozzle Body – 1/2" hose barb	9.80
4240N-B123S	Single Hose Barb Dry Boom Nozzle Body – 3/4" hose barb	9.80
4240N-B121D	Double Hose Barb Dry Boom Nozzle Body – 3/8" hose barb	9.80
4240N-B122D	Double Hose Barb Dry Boom Nozzle Body – 1/2" hose barb	9.80
4240N-B123D	Double Hose Barb Dry Boom Nozzle Body – 3/4" hose barb	9.80

## ProFlo

Three turret styles:  
Single, 3-Way, 5-Way

Highest flow rates in the industry:  
27.5 lpm @ 2.75 bar  
7 gpm @ 40 PSI

Wet boom clamp sizes:  
1/2", 3/4", 1", 20mm, 25mm

Comes standard with a  
.55 Bar (8 PSI) diaphragm  
check valve

Available with an  
EPDM or Viton® Seal

The Hypro® ProFlo™ nozzle bodies have been designed to deliver the highest flow rates in the industry across a wide spraying pressure range.

- Unique diaphragm check valve design reduces restrictions in the flow path, enabling 2.6 GPM with a 5 PSI pressure drop through the nozzle.
- Positive shut-off between each spray position.
- Bayonet style attachment allows for automatic spray alignment using flat fan spray tips.
- Compact design makes mounting easier with less potential interference with the spray boom structure.
- ProFlo nozzle bodies come standard with an 8 PSI diaphragm check valve. 4 PSI, 12 PSI, 20 PSI, and 25 PSI by special order.

Shown with Dry Boom Adapter  
Installed. Sold Separately.

### 3-Way ProFlo Turret Bodies w/ Dry Boom Clamp Tab

- 8 PSI Check Valve

PART	DESCRIPTION	PRICE (E)
4243N-B322	3 Outlet Body for 1/2" Pipe	20.45
4243N-B323	3 Outlet Body for 3/4" Pipe	18.70
4243N-B324	3 Outlet Body for 1" Pipe	18.70
4200-0004E	EPDM Diaphragm	1.30

### 5-Way ProFlo Turret Bodies w/ Dry Boom Clamp Tab

- 8 PSI check valve

PART	DESCRIPTION	PRICE (E)
4243N-B522	5 Outlet Body for 1/2" Pipe	20.45
4243N-B523	5 Outlet Body for 3/4" Pipe	18.70
4243N-B524	5 Outlet Body for 1" Pipe	23.60
4200-0004E	EPDM Diaphragm	1.30

### Dry Boom Adapters

PART	DESCRIPTION	PRICE (E)
4200-0112N	3/4" Hose Elbow for 3/4" Body	1.95
4200-0114N	3/4" Hose Elbow for 1" Body	1.95
4200-0113N	1" Hose Elbow for 3/4" Body	1.95
4200-0115N	1" Hose Elbow for 1" Body	1.95

### Dry Boom Adapters

PART	DESCRIPTION	PRICE (E)
4200-0212N	3/4" Tee for 3/4" Pipe	1.95
4200-0214N	3/4" Tee for 1" Pipe	1.95
4200-0213N	1" Tee for 3/4" Pipe	1.95
4200-0215N	1" Tee for 1" Pipe	1.95



### Tank Agitator

PART	DESCRIPTION	PRICE (E)
3371-0019	3/4" Tank Agitator	9.80



### Boom Pipe

PART	DESCRIPTION	PRICE (E)
AL34	3/4" Aluminum	CALL
AL1	1" Aluminum	CALL
PVC12	1/2" PVC	CALL
PVC34	3/4" PVC	CALL
PVC1	1" PVC	CALL
CUT	Labour to Cut Pipe	2.00(K)
THREAD	Labour to Thread Pipe	5.00(K)
HOLE	Labour to Drill Hole	1.00(K)

### Hypro Strainer

- Female NPT connection
- PVC suction strainer
- Call for mesh sizes not shown here

PART	DESCRIPTION	PRICE (E)
11101	3/8" FNPT 80M	10.45
10436	3/4" FNPT 80M	13.75
10442	1" FNPT 20M	21.40



Shut-Off 0 GPM	40 GPM	60 GPM	80 GPM	100 GPM	120 GPM
120 PSI	116 PSI	112 PSI	110 PSI	88 PSI	53 PSI
100 PSI	97 PSI	92 PSI	84 PSI	74 PSI	46 PSI
80 PSI	75 PSI	70 PSI	61 PSI	52 PSI	20 PSI
60 PSI	57 PSI	52 PSI	43 PSI	29 PSI	—

#### 150 Series High Performance Hydraulic Pump

- 1½" Suction / 1¼" Discharge.
- The high performance pump: 100 PSI at 88 GPM.
- Provides higher pressure and greater volume for applications with large tanks and longer spray booms.
- The 206 motor requires 7 GPM maximum hydraulic fluid input and fits virtually all tractor hydraulic systems.

Recommended for:

- Pressure compensating closed center systems
- Load sensing closed center systems
- Open center systems up to 16 GPM using internal needle valve bypass

Maximum Pressure: 120 PSI

Maximum Flow: 120 GPM

Note: To determine the correct Performance Data for your application, first shut off all flow on discharge side of pump and determine the shut-off pressure at the pump. Use this shut-off pressure to determine which line of data applies.

PART	DESCRIPTION	PRICE (€)
FMC-150-HYD-206	Hyd. Pump 1½" x 1¼"	1633.95



- Same specs as above, except flanged ports.
- Special order item.

PART	DESCRIPTION	PRICE (€)
FMC-150F-HYD-206	Hyd. Pump 1½" x 1¼"	1796.55

Shut-Off 0 GPM	40 GPM	80 GPM	120 GPM	160 GPM	200 GPM
120 PSI	114 PSI	100 PSI	85 PSI	65 PSI	36 PSI
100 PSI	92 PSI	83 PSI	68 PSI	52 PSI	—
80 PSI	76 PSI	68 PSI	57 PSI	43 PSI	—
60 PSI	57 PSI	50 PSI	40 PSI	—	—

#### 200 Series High Performance Hydraulic Pump

- 2" Suction / 1½" Discharge.
- For high volume applications, Capacity to 200 GPM.
- Ideal for spraying, large tank agitation, liquid transfer and spray – transfer combinations.
- The 210 motor requires 10 GPM maximum hydraulic fluid input.

Recommended for:

- Pressure compensating closed center systems
- Load sensing closed center systems
- Open center systems up to 17 GPM using internal needle valve bypass
- The 304 motor requires 11 GPM maximum hydraulic fluid input.

Recommended for:

- Pressure compensating closed center systems
- Load sensing closed center systems
- Open center systems up to 20 GPM using internal needle valve bypass
- The 310 motor requires 16 GPM maximum hydraulic fluid input.

Recommended for:

- Large open center systems up to 24 GPM using internal needle valve bypass

Maximum Pressure: 120 PSI for 304 / 80 PSI for 210 / 60 PSI for 310

Maximum Flow: 200 GPM

Note: To determine the correct Performance Data for your application, first shut off all flow on discharge side of pump and determine the shut-off pressure at the pump. Use this shut-off pressure to determine which line of data applies.

PART	DESCRIPTION	PRICE (€)
FMC-200-HYD-210	Hydr. Pump 2" x 1½"	2014.50
FMC-200-HYD-304	Hydr. Pump 2" x 1½"	2034.35
FMC-200-HYD-310	Hydr. Pump 2" x 1½"	2155.85

Pump Feature	Ace Replacement	Original Equipment
Pump Bearings	203 Heavy Duty	202
Pump Shaft	¾" Diameter	½" Diameter
Clutch Rating	58 ft. lbs.	30 ft. lbs.
Clutch Bearings	Two	One
Clutch Pulley	Machined Steel	Stamped Steel

#### Heavy Duty Sprague Centrifugal Pump

Maximize the reliability and durability of your Sprague with an Ace Heavy-Duty Centrifugal Pump. This powerful design delivers superior performance with minimal maintenance, when compared to its closest industry competitors. Ace Pumps' precision craftsmanship ensures the pump's dependability and longevity.

- Fits Sprague models 3430, 3440, 3630, 3640, 4440, 4640.
- Heavy duty 204 bearings – 66% more dynamic load capacity than original equipment.
- Ultra-durable double bearing clutch – 93% higher torque rating than original equipment.
- Optional severe duty controlled porosity silicon carbide seal.
- ¾" pump shaft.

PART	PRICE (€)
FMC-CW-150-MAG-DX3	1585.20



- 316 Stainless steel straight centrifugal pump with flanged ports driven by a 7 GPM new generation hydraulic motor with integral needle valve. Supplied with restrictor orifice.
- Max. pressure: 120 PSI Max. flow: 135 GPM
  - Inlet port 1-1/2" NPT and 220 full port flange
  - Outlet port 1-1/4" NPT and 200 standard port flange

PART	DESCRIPTION	PRICE (€)
FMC150FSHYD206	Stainless HYD. Pump	3011.85





SPEED RPM	5 PSI GPM	10 PSI GPM	15 PSI GPM	20 PSI GPM	30 PSI GPM	40 PSI GPM	50 PSI GPM	60 PSI GPM	70 PSI GPM
2400	74	73	64	54	-	-	-	-	-
3600	108	107	106	105	102	90	69	34	-
4200	-	124	122	122	118	115	107	93	70

### 9203C Series Pump

Hypro pedestal mounted cast iron centrifugal pumps c/w non-corrosive plastic impeller, Viton seal, and 5/8" solid shaft with 3/16" keyway.

PART	DESCRIPTION	PRICE (E)
9203C	1 1/2" x 1 1/4"	<b>708.35</b>
9203C-R	1 1/2" x 1 1/4", Reverse rotation	<b>742.90</b>



### 9203P Polypropylene Pump

5/8" shaft, 3/16" keyway, 1 1/2" inlet, 1 1/4" outlet.

PART	PRICE (E)
9203P-S	<b>899.30</b>



### 9306 Series

PART	DESCRIPTION	PRICE (E)
9306C-HM1C	2 x 1 1/2" Open/Closed*	<b>1822.00</b>
9306C-HM5C	2 x 1 1/2" Open*	<b>1753.85</b>



### 9203C Pump with 12V Magni-Clutch

Will transmit up to 10 HP at 4000 RPM. Energized by using on-off toggle switch at driver's seat. Draws only 2 amps from 12 V battery during operation. Eliminates necessity of using PTO or hydraulic systems. Simple installation.

PART	DESCRIPTION	PRICE (E)
9263C-C	Pump with Clutch	<b>1367.20</b>
3430-0592	12V Clutch Only	<b>1108.35</b>



### 9303 Series

### 9300 Series Hydraulic

PART	DESCRIPTION	PRICE (E)
9302C-HM1C	1 1/4" x 1" Open	<b>1575.30</b>
9302C-HM2C	1 1/4" x 1" Closed	<b>1575.30</b>
9302C-HM4C	1 1/4" x 1" Closed	<b>1575.30</b>
9303C-HM1C	1 1/2" x 1 1/4" Open/Closed	<b>1511.95</b>
9303C-HM2C	1 1/2" x 1 1/4" Closed	<b>1570.70</b>
9303C-HM3C	1 1/2" x 1 1/4" Open	<b>1670.45</b>
9303C-HM4C	1 1/2" x 1 1/4" Open/Closed	<b>1511.95</b>



### 9300 Series Stainless Steel

PART	DESCRIPTION	PRICE (E)
9303S-HM1C	1 1/2" Inlet, 1 1/4" Outlet	<b>2772.35</b>
9303S-HM2C	1 1/2" Inlet, 1 1/4" Outlet	<b>2875.60</b>
9303S-HM3C	1 1/2" Inlet, 1 1/4" Outlet	<b>2987.80</b>
9303S-HM4C	1 1/2" Inlet, 1 1/4" Outlet	<b>2875.60</b>
9303S-HM5C	1 1/2" Inlet, 1 1/4" Outlet	<b>2901.70</b>
9306S-HM1C	2" Inlet, 1 1/2" Outlet	<b>3366.85</b>
9306S-HM3C	2" Inlet, 1 1/2" Outlet	<b>3470.10</b>
9306S-HM5C	2" Inlet, 1 1/2" Outlet	<b>3240.90</b>



### 9303 Poly Pump

PART	DESCRIPTION	PRICE (E)
9303P-HM4C	1 1/2" Inlet, 1 1/4" Outlet	<b>1680.00</b>



### 9000 Series Cast Iron Gear Drive Pumps

PART	DESCRIPTION	PRICE (E)
9006C-0	1 3/8" - 540 PTO	<b>1706.20</b>
9008C-0	1 3/8" - 1000 PTO	<b>1825.70</b>
9016C-0	1" - 540 PTO	<b>1685.25</b>
9018C-0	1" - 1000 PTO	<b>1796.00</b>



### 9000 Series Poly Gear Drive Pumps

PART	DESCRIPTION	PRICE (E)
9006P-0	1 3/8" - 540 PTO	<b>1788.75</b>
9008P-0	1 3/8" - 1000 PTO	<b>1833.10</b>
9016P-0	1 3/8" - 540 PTO POLY	<b>1781.10</b>
9018P-0	1 3/8" - 1000 PTO POLY	<b>1815.80</b>



### 1502 Series Roller Pumps

- 6 roller
- 27 GPM 50 PSI @ 540, 56 GPM 50 PSI @ 1000.
- 540 or 1000 RPM.

PART	DESCRIPTION	PRICE (E)
1502C	Cast Iron	1023.85
1502N	Ni-Resist	1524.30
1502XL	Silver Cast	2182.55



### 1700 Series Roller Pumps

- 5 roller.
- 50 PSI.
- 20 GPM-540 RPM.

PART	DESCRIPTION	PRICE (E)
1700C	Cast Iron	625.00
1700N	Ni-Resist	1240.95
1700XL	Silver Cast	1742.10



### 6500 Series Roller Pumps

- 6 roller.
- 8 GPM at 540-50 PSI, 16 GPM at 1000-50 PSI.
- 540 or 1000 RPM.

PART	DESCRIPTION	PRICE (E)
6500C	Cast Iron	302.25
6500N	Ni-Resist	692.15
6500XL	Silver Cast	955.60



### 7560 Series Roller Pump

- 8 roller.
- 50 PSI.
- 11 GPM-540 RPM, 22 GPM-1000 RPM.

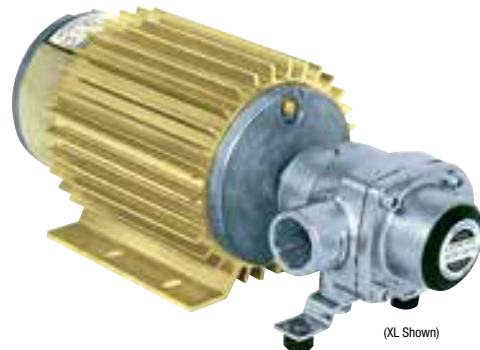
PART	DESCRIPTION	PRICE (E)
7560C	Cast Iron	394.80
7560N	Ni-Resist	785.20
7560XL	Silver Cast	1139.15



### 7700 Series Roller Pumps

- 7 roller.
- 12 GPM @ 50 PSI.
- 540 RPM.

PART	DESCRIPTION	PRICE (E)
7700C	Cast Iron	401.25
7700N	Ni-Resist	N/A
7700XL	Silver Cast	1166.65



### 4101N-AEH Roller Pump

- 12 V DC Motor.
- Super rollers and Viton seals.
- 1/3 HP.
- 50 PSI maximum.
- 6 GPM @ 25 PSI, 17 AMP.
- 7.5 GPM open flow.

PART	DESCRIPTION	PRICE (E)
4101N-AEH	Ni-Resist	1101.10
4101XL-AEH	XL Silver Cast	1337.05

Note: For Parts, see Parts Section



### 4101 Series Roller Pumps

- 4 roller pump.
- 3/4" inlet/outlet.
- 5/8" stainless steel shaft.

PART	DESCRIPTION	PRICE (E)
4101C	Cast Iron	279.10
4101N	Ni-Resist	502.05

### Roller Pump Accessory Selection Guide

DESCRIPTION	1500 SERIES	1700 SERIES	6500 SERIES	7560 SERIES	7700 SERIES	4000 SERIES
540 rpm 1 3/8" Forged Steel PTO Adapter	1320-0076	1320-0076	1320-0077	1320-0076	1320-0076	----
1000 rpm 1 3/8" Forged Steel PTO Adapter	1320-0078	1320-0078	1320-0079	1320-0078	----	1320-0079
1000 rpm 1 3/4" Forged Steel PTO Adapter	1320-0080	1320-0080	----	1320-0080	----	----
540 rpm 1 3/8" Forged Steel Quick Coupler	1323-0072	1323-0072	1323-0074	1323-0072	1323-0072	----
1000 rpm 1 3/8" Forged Steel Quick Coupler	1323-0073	1323-0073	1323-0075	1323-0073	----	----
Multi-Speed 1 3/8" Forged Steel Quick Coupler	1323-0076	1323-0076	1323-0077	1323-0076	1323-0076	1323-0077
Steel Shaft Adapter 3/4" x 5/8"	----	----	1320-0015	----	----	1320-0015
Steel Shaft Adapter 5/8" x 5/8"	----	----	1320-0016	----	----	1320-0016
Repair Kits	3430-0387 3430-0386	3430-0437	3430-0380	3430-0381	3430-0384	3430-0390
Torque Arm Kit	----	3430-0540	3430-0540	3430-0540	3430-0540	----
Base Kits	3420-0004	3420-0010	3420-0023	3420-0003	3420-0010	3420-0024* 3420-0025**
Hydraulic Flange Kit	----	----	----	3430-0636	----	----

NOTE: \* For electric motor drive 3 1/2" shaft centerline (4001, 4101) \*\* For gas engine drive 4 3/16" shaft centerline (4101 only).

**FOR A PRICE LIST OF HYPRO ROLLER PUMPS PARTS, SEE BACK OF CATALOGUE.**



### 9910-GS40GI Control Unit

- One high pressure relief valve and two 1/2" HB outlets with individual shut-offs.
- 15 GPM max., 580 PSI max.
- Control unit 3 1/2 lbs., remote mounting kit 1 lb.

PART	DESCRIPTION	PRICE (E)
9910-GS40GI	For Hypro 9910-D30 and D50 Pumps	<b>345.20</b>
9910-KIT1741	Remote Mounting Kit	<b>75.10</b>
9910-KIT1757	Repair Kit	<b>110.55</b>



### 9910-GS50GI Remote Control Unit

- One high pressure relief valve and three 1/2" HB outlets with individual shut-offs.
- 40 GPM max., 725 PSI max.
- Control unit 8 1/2 lbs., remote mounting kit 1 lb.

PART	DESCRIPTION	PRICE (E)
9910-GS50GI	For Hypro 9910-D813, D1064, D1516 and D1554 Pumps	<b>672.65</b>
9910-KIT1742	Remote Mounting Kit	<b>130.40</b>
9910-KIT1732	Repair Kit	<b>164.80</b>



### 1 1/8 - 6B Male PTO Shaft Kits

PTO(M) shaft adapter, mounting bracket and hardware.

PART	DESCRIPTION	PRICE (E)
9910-KIT1702	For Hypro 9910-D30 Diaphragm Pump	<b>203.40</b>
9910-KIT1706	For Hypro 9910-D50 Diaphragm Pump	<b>252.40</b>
9910-KIT1710	For Hypro 9910-D70 and D115 Diaphragm Pumps	<b>356.65</b>
9910-KIT2200	For Hypro 9910-D503 Diaphragm Pump	<b>183.55</b>



### 9910-RM40 Control Unit

- One high pressure relief valve and two 1/2" HB outlets with individual shut-offs.
- 24 GPM max., 580 PSI max.
- 3 1/2 lbs., remote mounting kit 2 lbs.

PART	DESCRIPTION	PRICE (E)
9910-RM40	For Hypro 9910-D503 Pump	<b>424.45</b>
9910-KIT1897	Remote Mounting Kit	<b>189.90</b>



### 9910-VDR50 Control Unit

- Fits 9910-503, D813, D1064.
- Includes gauge, relief valve, bypass lever, two 1/2" HB outlets with shut-offs, and 1" HB bypass.

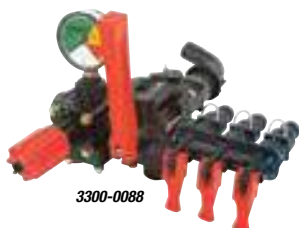
PART	DESCRIPTION	PRICE (E)
9910-VDR50	Fits 9910-503, D813 and D1064 Pumps	<b>810.30</b>



### 1" Solid Shafts

PTO(M) shaft adapter, mounting bracket and necessary hardware.

PART	DESCRIPTION	PRICE (E)
9910-KIT1703	For Hypro 9910-D30 Diaphragm Pump	<b>203.40</b>
9910-KIT1707	For Hypro 9910-D50 Diaphragm Pump	<b>252.40</b>
9910-KIT1711	For Hypro 9910-D70 and D115 Diaphragm Pumps	<b>355.60</b>
9910-KIT2202	For Hypro 9910-D503 Diaphragm Pump	<b>183.55</b>



3300-0088

### 3300-0087 and 3300-0088 Control Units

- One built-in relief valve, three 3/4", 1/2" and 3/8" HB outlets with individual shut-offs.
- 40 GPM max., 290 PSI max.
- 9910-0087 7 lbs., 9910-0088 7 1/4 lbs.
- 3300-0087 does not have quick release lever.

PART	DESCRIPTION	PRICE (E)
3300-0087	For Hypro 9910-D70, D115 and D160 Pumps	<b>672.65</b>
3300-0088	For Hypro 9910-D70, D115 and D160 Pumps	<b>991.75</b>



### 9910-Kit 1642 Gear Reduction Kit

- For use with standard 8-18 HP gas engine with 1" shaft.
- 6:1 gear box, 8 1/2 lbs.

PART	DESCRIPTION	PRICE (E)
9910-KIT1642	For Hypro 9910-D50, D503, D813 and D1064 Pumps	<b>1001.10</b>



### 3/4" Gear Reduction - NEW Style

- For D30, D303, and D403 Pumps
- New and improved bolt-through pinion gear to help prevent keyway fretting and seizing.
- Engine mounting flange designed for ease of assembly with standard tools.
- Robust 6:1 gear design increases longevity
- Increased oil capacity
- Made for use on gas engines with 3/4" shaft
- Available pre-assembled on HRGI models

PART	DESCRIPTION	PRICE (E)
8000-0056	Gear Reduction - New style	<b>760.85</b>



### 9910-Kit 1994 Control Unit

- Includes one relief valve and two 3/8" HB outlets.
- 1 lb.

PART	DESCRIPTION	PRICE (E)
9910-KIT1994	For Hypro 9910-D12GRGI Pump	<b>172.10</b>



### 9910-Kit 1640 Gear Reduction Kit

- For use with standard 5 HP gas engine with 3/4" shaft.
- 6:1 gear box, 6 1/2 lbs.

PART	DESCRIPTION	PRICE (E)
9910-KIT1640	For Hypro 9910-D30 Pump	<b>801.95</b>

Diaphragm Pump Repair Kits (not shown)





	350 RPM		400 RPM		450 RPM		500 RPM		550 RPM	
PSI	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP
0	14.7	2.2	17.0	2.5	18.2	2.9	19.7	3.5	20.8	3.6
435	13.5	4.1	15.5	4.6	17.3	5.3	19.0	5.9	19.6	6.3
580	13.4	5.3	15.2	6.0	17.1	6.8	18.3	7.6	19.2	8.1
725	13.3	6.4	14.9	7.4	16.9	8.4	17.8	9.3	18.7	9.9

**Hypro D813 Diaphragm Pump**

- 1 1/4" barb inlet, 3/4" NPT outlet.
- 21 GPM max., 725 PSI max., 550 RPM max., 140°F max.
- 50 lbs.
- Mount to 8-18 HP gas engine.

PART	DESCRIPTION	PRICE (E)
9910-D813	Pump Only	2056.85
9910-D813GRGI	With Gear Reduction, Controls	3520.30



	350 RPM		400 RPM		450 RPM		500 RPM		550 RPM	
PSI	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP
0	19.3	0.3	22.1	0.3	24.8	0.4	27.1	0.7	30.1	0.8
145	18.7	1.8	21.4	2.1	24.0	2.4	26.4	2.7	29.0	3.0
217	18.6	2.7	21.2	3.1	23.9	3.5	26.2	3.9	28.8	4.3
290	18.5	3.6	21.1	4.1	23.8	4.5	26.1	5.0	28.7	5.5

**Hypro-D115 Diaphragm Pump**

- 1 1/2" inlet, 1" outlet.
- Max flow: 30 GPM max., 290 PSI max., 550 RPM, 140°F max.
- 34 lbs.
- For shaft kits see following pages.
- Recommended control unit 3300-0088.

PART	DESCRIPTION	PRICE (E)
9910-D115	Pump Only	1931.10



	350 RPM		400 RPM		450 RPM		500 RPM		550 RPM	
PSI	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP
0	27.7	0.7	31.7	0.8	35.7	0.9	38.4	1.3	42.5	1.4
145	25.2	2.5	28.8	2.9	32.4	3.3	35.8	3.9	39.4	4.3
217	24.7	3.7	28.2	4.2	31.7	4.7	35.2	5.3	38.7	5.8
290	24.2	4.5	27.7	5.2	31.2	5.9	34.6	6.7	38.2	7.4

**Hypro D160 Diaphragm Pump**

- 2" inlet, 1 1/2" outlet.
- 42 GPM max., 290 PSI max., 550 RPM max., 140°F max.
- Weight: 70 lbs.
- 1 3/8" - 6 spline shaft.
- Recommended control unit 3300-0088

PART	DESCRIPTION	PRICE (E)
9910-D160	Pump Only	3421.30

**Hypro D1064 Diaphragm Pump**

- 1 1/2" hose barb inlet, 3/4" NPT (M) outlet.
- 28 GPM max., 725 PSI max., 550 RPM max., 140°F max.
- 55 lbs.
- 4 semi-hydraulic diaphragms.
- Flanged adapter and 1 3/8"-6B splined shaft.
- Anodized aluminum housing.
- CW and CCW pump shaft rotation.
- Recommended control unit 9910-VDR50 or 9910-GS50GI

PART	DESCRIPTION	PRICE (E)
9910-D1064	Pump Only	2322.75
9910-D1064GRGI	With Gear Reduction, Controls	3895.35



PSI	450 RPM		550 RPM		650 RPM	
	GPM	HP	GPM	HP	GPM	HP
50	4.2	0.33	5.1	0.43	6.0	0.53
100	4.1	0.37	5.0	0.47	5.9	0.57
150	4.0	0.40	4.9	0.50	5.8	0.60
200	3.8	0.50	4.5	0.80	5.3	1.00
290	3.6	0.60	4.5	0.80	5.3	1.00

#### Hypro D252 Diaphragm Pump

- 3/4" inlet, 1/2" NPT outlet.
- 6 GPM max., 290 PSI max., 650 RPM max., 140°F max.
- 25 lbs.
- Use 3 HP gas engine.
- 9910D252GRGI comes with gear reduction and pressure controls (to be remounted to 3 HP gas engine)

PART	DESCRIPTION	PRICE (E)
9910-D252	Pump Only	927.45
9910-D252GRGI	With Gear Reduction, Controls	1283.00



PSI	350 RPM		400 RPM		450 RPM		500 RPM		550 RPM	
	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP
145	9.2	1.2	10.6	1.5	11.6	1.8	12.7	2.2	13.7	2.5
285	9.0	2.0	10.3	2.3	11.4	2.8	12.4	3.1	13.5	3.5
430	8.7	2.7	10.0	3.0	11.1	3.5	12.1	4.0	13.2	4.5
580	8.4	3.4	9.8	3.8	10.8	4.4	11.9	4.9	12.9	5.4

#### Hypro D503 Diaphragm Pump

- 1 1/4" barb inlet, 3/4" NPT outlet.
- 15 GPM max., 580 PSI max., 550 RPM max., 140°F max.
- 28 lbs.
- 3 diaphragm.
- Mounts to 9 HP Honda GX270 engine.

PART	DESCRIPTION	PRICE (E)
9910-D503	Pump Only	1603.40
9910-D503GRGI	With Gear Reduction, Controls	2719.60



Model 9910-D403GRGI shown

#### Hypro D403 Diaphragm Pump

- 1" Hose barb inlet; two 1/2" hose barb outlets.
- 3 Diaphragm pump.
- 10.6 GPM max flow.
- 580 PSI max pressure.
- 550 max RPM.
- 140° F max temperature.
- 23 lbs.
- Use 9910-KIT1640 for 3/4" shaft gas engine.

PART	DESCRIPTION	PRICE (E)
9910-D403	Pump Only	1198.70
9910-D403GRGI	With Gear Reduction, Controls	2181.95
9910-GR40	Control Unit Only	413.50



PSI	350 RPM		450 RPM		550 RPM	
	GPM	HP	GPM	HP	GPM	HP
50	6.0	0.4	7.9	0.8	9.50	1.6
100	5.9	0.9	7.8	1.3	9.30	2.0
200	5.7	1.3	7.5	1.8	9.10	2.5
300	5.5	1.6	7.4	2.2	9.00	2.8
400	5.3	2.2	7.1	2.8	8.70	3.6
580	5.0	2.7	6.9	3.4	8.45	4.2

#### Hypro D30 Diaphragm Pump

- 1" inlet, 1/2" barb outlet.
- 9 GPM max, 580 PSI max., 550 RPM max., 140°F max.
- 23 lbs.
- 9910D30GRGI mounts to Honda GX160 5 1/2 HP engine.

PART	DESCRIPTION	PRICE (E)
9910-D30	Pump Only	1132.15
9910-D30GRGI	With Gear Reduction, Controls	2030.15

## Gas Engine Powered Pumps



### WP-2065HL General Purpose 2" Water Pump

- 2" NPT inlet and outlet Aluminum Pump.
- Honda GX200 6.5HP engine with Oil Alert.
- 158 gallons per minute Maximum Flow.
- 82' Total Lift.
- Solids through pump not recommended.

PART	DESCRIPTION	PRICE(H)
WP-2065HL	2" Water Pump w/ Honda	CALL



### WP-3065HL General Purpose 3" Water Pump

- 3" NPT inlet and outlet Aluminum Pump.
- Honda GX200 6.5HP engine with Oil Alert.
- 264 gallons per minute Maximum Flow.
- 85' Total Lift.
- Solids through pump not recommended.

PART	DESCRIPTION	PRICE(H)
WP-3065HL	3" Water Pump w/ Honda	CALL



### 4" Water Transfer Pump w/ Honda GX390 Engine

- 4" male NPT inlet and outlet ports.
- Aluminum casing and H.D. Cast Iron impeller.
- 422 GPM maximum flow.
- 26' suction lift, 98' total lift.
- Honda 389cc engine features 6.8 litre fuel tank, recoil start, and low oil alert.

PART	DESCRIPTION	PRICE(H)
WP-4013HR	4" Water Pump w/ Honda	CALL



### 1" Water Transfer Pump w/ Powerease 79cc Engine

- 1" male NPT inlet and outlet ports.
- Aluminum impeller and casing.
- 42 GPM maximum flow.
- 20' suction lift, 85' total lift.
- Powerease engine features 2 litre fuel tank, recoil start, and low oil shutdown protection.

PART	DESCRIPTION	PRICE(H)
WP-1020R	1" Water Pump w/ Powerease	CALL



### WP-2070S 2" Water Pump

- 2" NPT inlet and outlet Aluminum Pump.
- Powerease 210CC engine with Oil Alert.
- 158 gallons per minute Total Flow.
- 82' Total Lift.
- Solids through pump not recommended.

PART	DESCRIPTION	PRICE(H)
WP-2070S	2" Pump w/ 210 CC engine	CALL



### WP-3070S 3" Water Pump

- 3" NPT inlet and outlet Aluminum Pump.
- Powerease 7HP engine with Oil Alert.
- 264 gallons per minute Total Flow.
- 85' Total Lift.
- Solids through pump not recommended.

PART	DESCRIPTION	PRICE(H)
WP-3070S	3" Pump w/ 7 HP engine	CALL



### HP-2065HR High Pressure 2" Transfer Pump

High pressure system operates at 65 PSI; ideal for lawn sprinkling and fire fighting.

- 2" NPT inlet and outlet Aluminum Pump.
- Honda GX200 6.5HP engine with Oil Alert.
- 126 gallons per minute Maximum Flow.
- 197' Total Lift (@ 85 PSI).
- Solids through pump not recommended.

PART	DESCRIPTION	PRICE(H)
HP-2065HR	2" High Pressure Pump	CALL



### TP-3013HM 3" Trash Pump

- 3" NPT inlet and outlet Aluminum Pump.
- Honda GX390 13HP engine with Oil Alert.
- 286 gallons per minute Maximum Flow.
- 98' Total Lift.
- Handles solids up to 1" diameter through pump.

PART	DESCRIPTION	PRICE(H)
TP-3013HM	3" Trash Pump w/ Honda	CALL



### TP-4013HM 4" Trash Pump

- 4" NPT inlet and outlet Aluminum Pump.
- Honda GX390 13HP engine with Oil Alert.
- 506 gallons per minute Maximum Flow.
- 95' Total Lift.
- Handles solids up to 1" diameter through pump.

PART	DESCRIPTION	PRICE(H)
TP-4013HM	4" Trash Pump w/ Honda	CALL



# Gas Engine Powered Pumps



## 2" High Pressure/Firefighting Pump w/ Powerease 210cc Engine

- 2" male NPT inlet and outlet ports.
- Aluminum impeller and casing.
- 126 GPM maximum flow, 85 PSI Outlet Pressure.
- 26' suction lift, 197' total lift.
- Powerease engine features 3.6 litre fuel tank, recoil start, and low oil shutdown protection.

PART	DESCRIPTION	PRICE(H)
HP-2070R	2" HP Pump w/ Powerease	CALL



## 2" High Pressure Pump w/ Honda GX390 Engine

- 2" male NPT inlet and outlet ports.
- Heavy Duty Aluminum impeller & Aluminum casing.
- 140 GPM maximum flow; 145 PSI Outlet Pressure.
- 26' Suction lift, 330' total lift.
- Honda GX390 (389cc) engine features recoil start, low oil alert, and 6.8L (1.8 USG) fuel tank capacity.

PART	DESCRIPTION	PRICE(H)
HP-2013HR	2" HP Pump w/ Honda	CALL



## 2" Semi-Trash Pump w/ Honda GX200 Engine

- 2" male NPT inlet and outlet ports.
- 125 GPM maximum flow.
- 26' suction lift, 82' total lift.
- Handles up to 5/8" solids.
- Honda 196cc engine features 3.1 litre fuel tank, recoil start, and low oil alert.

PART	DESCRIPTION	PRICE(H)
TP-2065HT	2" Semi-Trash Pump w/ Honda	CALL

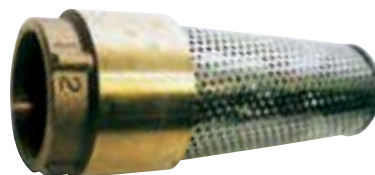


## Suction Hose Assembly – "C" Camlock x MNPT

Our standard, general-purpose PVC suction hose. It is flexible, lightweight, non-marking, and resistant to mild chemical solutions. Assemblies come with a "C" Female Cam-lock and galvanized MNPT nipple.

- 20-foot hose length.
- Fittings secured with double band clamps.

PART	DESCRIPTION	PRICE(F)
PVCS112CM20	1½" Suction Hose Assembly	95.45
PVCS2CM20	2" Suction Hose Assembly	110.10
PVCS3CM20	3" Suction Hose Assembly	203.85
PVCS4CM20	4" Suction Hose Assembly	272.60
PVCS6CM20	6" Suction Hose Assembly	646.00



## Heavy Duty Bronze Foot Valve

- Includes perforated stainless-steel strainer.

PART	DESCRIPTION	PRICE(F)
FV100	Bronze Foot Valve 1" FNPT	24.20
FV112	Bronze Foot Valve 1½" FNPT	44.80
FV200	Bronze Foot Valve 2" FNPT	76.35
FV300	Bronze Foot Valve 3" FNPT	425.60
FV400	Bronze Foot Valve 4" FNPT	508.90

Other sizes available; please inquire.



## Lay-Flat Hose Assembly – "C" & "E" Camlocks

Assemblies are lightweight, economical PVC hoses that flatten and roll up tightly when not in use. designed for applications where external abuse is limited. Used widely for irrigation, construction, flood protection, and municipal applications.

- Assemblies are supplied with female "C" and male "E" aluminum cam-locks.
- Fittings secured with double band clamps.
- Available in 50-foot and 100-foot lengths.

PART	DESCRIPTION	PRICE(F)
PVCL112CE50	1½" x 50' Lay-flat Assembly	58.10
PVCL2CE50	2" x 50' Lay-flat Assembly	65.00
PVCL3CE50	3" x 50' Lay-flat Assembly	106.15
PVCL4CE50	4" x 50' Lay-flat Assembly	170.40
PVCL6CE50	6" x 50' Lay-flat Assembly	325.80
PVCL112CE100	1½" x 100' Lay-flat Assembly	102.40
PVCL2CE100	2" x 100' Lay-flat Assembly	129.80
PVCL3CE100	3" x 100' Lay-flat Assembly	199.45
PVCL4CE100	4" x 100' Lay-flat Assembly	294.40
PVCL6CE100	6" x 100' Lay-flat Assembly	500.70



## PVC Foot Valves

PART	DESCRIPTION	PRICE(F)
FVPVC1000	PVC Foot Valve 1" FNPT	17.00
FVPVC1500	PVC Foot Valve 1½" FNPT	24.90
FVPVC2000	PVC Foot Valve 2" FNPT	33.30
FVPVC3000	PVC Foot Valve 3" FNPT	170.90

Other sizes available; please inquire.



## 3" Semi-Trash Pump w/ Honda GX200 Engine

- 3" male NPT inlet and outlet ports.
- 264 GPM maximum flow.
- 26' suction lift, 85' total lift.
- Handles up to 1" solids.
- Honda 196cc engine features 3.1 litre fuel tank, recoil start, and low oil alert.

PART	DESCRIPTION	PRICE(H)
TP-3065HR	3" Semi-Trash Pump w/ Honda	CALL



## 4" Trash Pump w/ Powerease 420cc Engine

- 4" male NPT inlet and outlet ports.
- Cast Iron impeller and aluminum casing.
- 580 GPM max. flow; 26' suction lift, 95' total lift.
- Handles up to 1" solids.
- Powerease engine features 3.6 litre fuel tank, recoil start, and low oil shutdown protection.

PART	DESCRIPTION	PRICE(H)
TP-4015RM	4" Trash Pump w/ Powerease	CALL

# Poly Pumps **HYPRO**


**1542P-5SP 2" Poly Pump**

- Features 5-Vane impeller and 6.5 HP PowerPro engine.
- EPDM mechanical seal and inlet valve.
- Low oil sensor on engine.
- Maximum suction lift of 25 feet.
- 2" Female NPT inlet and outlet ports.

PART	DESCRIPTION	PRICE (C)
1542P-5SP	2" Poly Pump (5-vane) w/ 6.5 HP PowerPro engine	<b>755.85</b>
3430-0690	Pump head kit for 1542P-3SP	<b>336.60</b>
3430-0691	Pump head kit for 1542P-5SP (unassembled)	<b>344.10</b>
3430-0635	Seal kit for 1542P-3SP / 1542P-5SP pumps	<b>90.60</b>


**9342P & 9343P Series Hydraulically-Driven Poly Pumps**

- Polypropylene Housing with either 2" Female NPT or 3" Female NPT ports.
- 2" models – Up to a Maximum 206 GPM / 60 PSI. See performance chart below.
- 2" models – Up to a Maximum 484 GPM / 58 PSI. See performance chart below.
- Pump Seals – EPDM Mechanical.
- Suction Lift – Maximum 25 feet.
- Poly impeller with Stainless Steel insert.

PART	DESCRIPTION	PRICE (C)
9342P-HM1C-5SP	2" Hydraulic Poly Pump – 10 GPM motor capacity	<b>1343.15</b>
9342P-HM5C-5SP	2" Hydraulic Poly Pump – 13 GPM motor capacity	<b>1343.15</b>
9343P-GM6-SP	3" Hydraulic Poly Pump – 8 to 11 GPM motor capacity	<b>2107.00</b>
9343P-GM10-SP	3" Hydraulic Poly Pump – 12 to 16 GPM motor capacity	<b>2107.00</b>

**9342 Series 2" Pump Performance**

9342P-HM1C-5SP							
Hyd. Flow GPM	GPM @ 0 PSI	GPM @ 10 PSI	GPM @ 20 PSI	GPM @ 30 PSI	GPM @ 40 PSI	GPM @ 50 PSI	GPM @ 58 PSI
8	165	145	122	95	57	-	-
9	185	166	144	119	86	0	-
10	200	184	164	141	114	80	0

9342P-HM5C-5SP							
Hyd. Flow GPM	GPM @ 0 PSI	GPM @ 10 PSI	GPM @ 20 PSI	GPM @ 30 PSI	GPM @ 40 PSI	GPM @ 50 PSI	GPM @ 60 PSI
9	175	154	123	84	0	-	-
10	192	174	149	118	76	0	-
11	206	189	169	145	117	79	0

**9343 Series 3" Pump Performance**

9343P-GM6-SP														
Performance	Feet	0	12	23	35	46	58	69	81	92	104	116	127	
	PSI	0	5	10	15	20	25	30	35	40	45	50	55	
8 Gal/Min	GPM	342	316	284	240	176	67	-	-	-	-	-	-	
9 Gal/Min	GPM	378	355	327	294	252	194	103	-	-	-	-	-	
10 Gal/Min	GPM	414	394	371	345	314	276	227	155	52	-	-	-	
11 Gal/Min	GPM	450	433	414	392	368	340	307	265	210	128	28	-	

9343P-GM10-SP														
Performance	Feet	0	12	23	35	46	58	69	81	92	104	116	127	
	PSI	0	5	10	15	20	25	30	35	40	45	50	55	
12 Gal/Min	GPM	364	340	310	274	227	157	46	-	-	-	-	-	
13 Gal/Min	GPM	391	368	342	312	275	227	158	55	-	-	-	-	
14 Gal/Min	GPM	415	395	373	348	318	282	236	170	74	-	-	-	
15 Gal/Min	GPM	445	426	406	383	357	327	292	247	187	102	7	-	
16 Gal/Min	GPM	484	466	446	425	401	374	344	309	266	211	139	47	


**3" FNPT Inlet/Outlet**

**3" Manifold Inlet/Outlet**
**1543P Series 3" Poly Pumps**

- Three models powered by EPA 13.0 HP PowerPro engines – pull or electric start.
- 1543P-130ESP-01 model features 3" Manifold Inlet and Outlet ports.
- Self-priming pumps with a maximum lift of 25 feet.
- EPDM mechanical seal and inlet valve.

PART	DESCRIPTION	PRICE (C)
1543P-130SP	3" Poly Pump w/ 13.0 HP PowerPro engine	<b>2175.25</b>
1543P-130ESP	3" Poly Pump w/ 13.0 HP PowerPro engine – Electric	<b>2199.60</b>
1543P-130ESP-01	3" Poly Pump w/ Manifold Inlet/Outlet and 13.0 HP PowerPro engine – Electric start	<b>2267.15</b>
3430-0692	Pump head kit for 1543P pumps (unassembled)	<b>621.85</b>
3430-0757	Seal kit for 1543P series pumps	<b>224.85</b>
3430-0758	SHIM kit for 1543P pump and 3430-0693 KIT	<b>321.15</b>

**1542P / 1543P Series Pumps – Performance (US Gallons)**

MODEL	GPM @ 0 PSI	GPM @ 10 PSI	GPM @ 20 PSI	GPM @ 30 PSI	GPM @ 40 PSI	GPM @ 50 PSI	GPM @ 58 PSI
1542P-5SP	200	182	162	136	106	65	0
1543P-90ESP	373	343	291	231	156	53	0
1543P-130SP	440	400	338	269	184	68	0
1543P-130ESP	440	400	338	269	184	68	0


**9243P-SP 3" Poly Pedestal Pump**

- 3" Female NPT inlet and outlet ports.
- 1" keyed shaft; requires 12 HP motor to achieve maximum performance.
- 460 GPM maximum volume; 54 PSI maximum pressure.
- Maximum suction lift of 25 feet; maximum total head of 125 feet.
- Pump Seals – EPDM Mechanical.
- Poly impeller with Stainless Steel insert.

PART	DESCRIPTION	PRICE (C)
9243P-SP	3" Poly Pedestal Pump w/ 1" keyed shaft	<b>1295.60</b>

**9243P-SP Performance Chart**

		2900 RPM		3200 RPM		3500 RPM	
PSI	Feet*	GPM	HP	GPM	HP	GPM	HP
0	0	380	7.1	424	9.1	460	12.2
5	12	358	6.8	405	8.9	445	11.8
10	23	342	6.5	384	8.7	425	11.4
15	35	312	6.3	359	8.5	404	11.1
20	46	275	6.0	331	8.3	379	10.9
25	58	224	5.6	297	8.0	353	10.6
30	69	160	5.0	251	7.5	321	10.2
35	81	50	4.2	193	7.0	280	9.8
40	92	-	-	103	6.2	227	9.2
45	104	-	-	0	5.3	159	8.5
50	116	-	-	-	-	70	7.5



# HYPRO®



3" Model Shown

### Banjo 2" and 3" Poly Pumps w/ Honda Engines

- EPDM seals and gaskets.
- Female NPT inlet and outlet ports.
- Poly 5-Vane impeller on 2" model and poly 4-Vane impeller on 3" model; poly casing on both models.
- 2" Model features Honda GX 5.5 HP engine and 3" model features Honda GX 6.5 HP engine.
- Both engines include low oil sensor.

PART	DESCRIPTION	PRICE(H)
200PH5	2" Banjo Poly Pump w/ 5.5 HP	1115.50
300PH6	3" Banjo Poly Pump w/ 6.5 HP	1097.90



### Banjo 2" and 3" Poly Pumps w/ 6.5 HP Briggs & Stratton Engines

- EPDM seals and gaskets
- Available in either 2" or 3" Female NPT Inlet and outlet ports.
- Powered by a 6.5 HP Briggs & Stratton engine with pull start and oil alert.
- 216 US gallons per minute maximum.

PART	DESCRIPTION	PRICE(H)
200P6PRO	2" Banjo Poly Pump w/ 6.5 HP Briggs & Stratton Engine	CALL
300P6PRO	3" Banjo Poly Pump w/ 6.5 HP Briggs & Stratton Engine	CALL



### 1537 Pump

- Unit includes pump, engine and base.
- Honda 5.5 HP oil alert engine and Hypro 1538 pump.
- 1 1/2" inlet, 1 1/4" outlet.
- Nylon impeller.
- 82 GPM @ 40 PSI, 70 GPM @ 50 PSI, 50 GPM @ 60 PSI.

PART	DESCRIPTION	PRICE
1537	Pump/Engine – Honda 5.5HP	CALL
1537-U	Pump, Honda - Unassembled	CALL



2" Full Port Manifold Inlet / Outlet

### Banjo 2" Full Port Manifold Poly Pump w/ Honda 6.5 HP Engine

- EPDM seals and gaskets.
- 2" Full Port Manifold inlet and outlet ports.
- High performance impeller for maximum flow – up to 255 gallons per minute!
- Honda GX series engine features low oil sensor.

PART	DESCRIPTION	PRICE(H)
M220PH6	2" Banjo FP Manifold Poly Pump w/ 6.5 HP Honda	1061.15



2" Model Shown

### Banjo 2" and 3" Full Port Manifold Poly Pumps w/ Honda GX Series Engines

- EPDM seals and gaskets.
- Full Port Manifold inlet and outlet ports.
- Precision molded construction
- 2" Model features Honda GX 5.5 HP engine and 3" model features Honda GX 6.5 HP engine.
- Both engines include low oil sensor.

PART	DESCRIPTION	PRICE(H)
M220PH5	2" Banjo Poly Pump w/ 5.5 HP	1062.35
M300PH6	3" Banjo Poly Pump w/ 6.5 HP	1297.55



### Ace GE660 Pump

- Ace 5 1/2 HP Honda
- 1 1/2" inlet
- 1 1/4" outlet
- 6" impeller mounts to 3/4" shaft
- 110 GPM @ 20 PSI @ 3400 RPM
- 49 GPM @ 60 PSI @ 3400 RPM

PART	DESCRIPTION	PRICE
GE660	Pump/Engine – Honda 5.5HP	CALL
GE660-U	Pump, Honda - Unassembled	CALL



### Poly Check Valve

- 2" or 1 1/2".
- Available with or without check valve.

PART	DESCRIPTION	PRICE (F)
FVPP2	2" Strainer C/W Check	128.15
FVPP2LC	2" Strainer Less Check	66.65
100750	2" NPT Female x Hose Insert	7.70
504019	2" Check Valve	61.50
2452067	2" NPT Female x 1 1/2" NPT Male Adapter	12.35
100640	1 1/2" NPT Female x 1 1/2" Hose Insert	7.75



### Metal Strainer

- NPT female threads.

PART	SIZE	PRICE (F)
SUCTION2	2" FPT Steel Strainer	21.35
SUCTION3	3" FPT Steel Strainer	33.25
SUCTION4	4" FPT Steel Strainer	37.55



### Floating Filter

- 2" hose connection.
- Floats just below water level.
- Keeps suction hose off bottom.

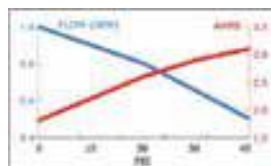
PART	DESCRIPTION	PRICE (H)
FLOAT	2" Floating Pond Filter	82.05





#### Everflo 1.0 GPM 12-Volt Diaphragm Pump

- Polypropylene pump housing and valve plate.
- Viton® Valves and Santoprene Diaphragm.
- 40 PSI maximum pressure; 1.0 GPM maximum flow.
- Honeywell™ Micro Demand Switch.
- Maximum fluid temperature 60° C (140° F).
- Self-priming to 4 feet.
- 3/8" hose barb inlet and outlet ports.
- 12 Volt DC; maximum 4.0 Amps.
- Round-Up® ready.

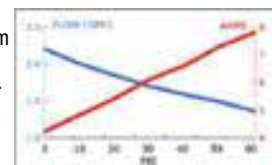


PART	DESCRIPTION	PRICE (G)
EF1000	1.0 GPM 12-Volt Diaphragm Pump	59.75



#### Everflo 2.2 GPM 12-Volt Diaphragm Pump

- Polypropylene pump housing and valve plate.
- Viton® Valves and Santoprene Diaphragm.
- Zinc-plated steel fasteners.
- 70 PSI maximum pressure; 2.2 GPM maximum flow.
- Honeywell™ Micro Demand Switch.
- Maximum fluid temperature 60° C (140° F).
- Self-priming to 8 feet.
- 3/8" Female NPT inlet and outlet ports.
- 12 Volt DC; maximum 8.0 Amps.
- Round-Up® ready.

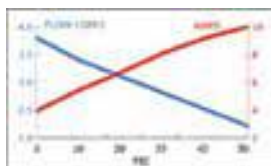


PART	DESCRIPTION	PRICE (G)
EF2200	2.2 GPM 12-Volt Diaphragm Pump	116.80
EF2200-KIT	Complete Head Repair Kit for EF2200	67.95



#### Everflo 3.0 GPM 12-Volt Diaphragm Pump

- Polypropylene pump housing and valve plate.
- Viton® Valves and Santoprene Diaphragm.
- Zinc-plated steel fasteners.
- 60 PSI maximum pressure; 3.0 GPM maximum flow.
- Honeywell™ Micro Demand Switch.
- Maximum fluid temperature 60° C (140° F).
- Self-priming to 8 feet.
- 1/2" Female NPT inlet and outlet ports.
- 12 Volt DC; maximum 10.0 Amps.
- Round-Up® ready.

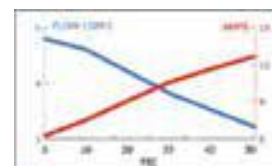


PART	DESCRIPTION	PRICE (G)
EF3000	3.0 GPM 12-Volt Diaphragm Pump	153.85
EF3000-KIT	Complete Head Repair Kit for EF3000	91.30



#### Everflo 4.0 GPM 12-Volt Diaphragm Pump

- Polypropylene pump housing and valve plate.
- Viton® Valves and Santoprene Diaphragm.
- Zinc-plated steel fasteners.
- 60 PSI maximum pressure; 4.0 GPM maximum flow.
- Honeywell™ Micro Demand Switch.
- Maximum fluid temperature 60° C (140° F).
- Self-priming to 8 feet.
- 1/2" Female NPT inlet and outlet ports.
- 12 Volt DC; maximum 13.0 Amps.
- Round-Up® ready.

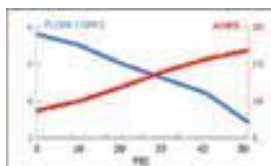


PART	DESCRIPTION	PRICE (G)
EF4000	4.0 GPM 12-Volt Diaphragm Pump	179.50
EF4000-KIT	Complete Head Repair Kit for EF4000	106.55



#### Everflo 5.5 GPM 12-Volt Diaphragm Pump

- Polypropylene pump housing and valve plate.
- Viton® Valves and Santoprene Diaphragm.
- Zinc-plated steel fasteners.
- 60 PSI maximum pressure; 5.5 GPM maximum flow.
- Honeywell™ Micro Demand Switch.
- Maximum fluid temperature 60° C (140° F).
- Self-priming to 8 feet.
- 1/2" Female NPT inlet and outlet ports.
- 12 Volt DC; maximum 17.0 Amps.
- Round-Up® ready.

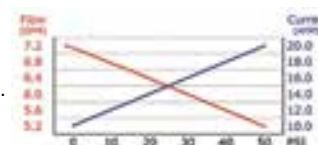


PART	DESCRIPTION	PRICE (G)
EF5500	5.5 GPM 12-Volt Diaphragm Pump	249.00
EF5500-KIT	Complete Head Repair Kit for EF5500	155.50



#### Everflo 7.0 GPM 12-Volt Diaphragm Pump

- Polypropylene pump housing & fiberglass-reinforced polypropylene pump manifold.
- Viton Valves and Santoprene Diaphragm.
- 60 PSI maximum pressure; 7.0 GPM maximum flow.
- Honeywell Micro Demand Switch.
- Maximum fluid temperature 60°C (140°F).
- Self-priming to 12 feet.
- 1/2" Female Inlet and Outlet ports.
- 12 Volt DC; maximum 23.0 Amps.
- Approved for Roundup / other Ag chemicals.



PART	DESCRIPTION	PRICE (G)
EF7000	7.0 GPM 12-Volt Diaphragm Pump	458.75
EF7000-KIT	Complete Head Repair Kit for EF7000	199.25



### 3 GPM 12 Volt

PSI	GPM	AMPS
10	2.80	5.3
20	2.69	5.5
30	2.36	6.7
40	2.05	7.7



- 45 PSI switch.
- Viton® valves.
- Santoprene® diaphragm.
- 1/2" 14 National American Straight Pipe Thread

PART	DESCRIPTION	PRICE (F)
2088-343-135	Pump, 12 Volt, 3 GPM, 45 PSI	<b>198.40</b>
234-3926	1/2" 90° Swivel Connector	<b>1.50</b>
234-3916	3/8" 90° Swivel Connector	<b>1.50</b>
234-2926	1/2" Straight Swivel Connector	<b>1.50</b>
234-2916	3/8" Straight Swivel Connector	<b>1.55</b>



### 1.4 GPM 12 V Pump

- 60 PSI switch.
- Viton® valves and Santoprene® diaphragm.
- 3/8" NPT(F) ports.

PART	DESCRIPTION	PRICE (F)
8000-543-236	60 PSI, Pump	<b>166.30</b>
8000-543-238	100 PSI, Not shown	<b>172.90</b>

PSI	GPM	AMPS
20	1.26	5.0
40	1.14	6.2
60	1.02	7.3



### 3.0 GPM 24-Volt Pump

- 45 PSI Demand switch.
- Santoprene® valves and diaphragm.
- 1/2" 14 National American Straight Pipe Thread inlet and outlet ports; use 234-series connectors.

PART	DESCRIPTION	PRICE (F)
2088-474-144	3.0 GPM 24V Pump	<b>200.55</b>



1/4" FNPT Port

PSI	GPM	AMPS
10	2.79	5.8
30	2.26	8.3
50	1.69	10.1

### 3 GPM 12 Volt

- 3.3 GPM Open Flow.
- Viton® Valves, Santoprene® Diaphragm.
- 1/4" FNPT Port for relief valve or pressure gauge.
- 1/2" 14 National American Straight Pipe Thread.

PART	DESCRIPTION	PRICE (F)
2088-343-500	12 Volt Pump	<b>188.50</b>



1/4" FNPT Port

### 1.8 GPM 12 V Pump

- Viton® valves and Santoprene® diaphragm
- 3/8" FNPT ports.
- 1/4" FNPT gauge or valve port
- No pressure control switch

PART	DESCRIPTION	PRICE (F)
8001-244-290	12 Volt Pump	<b>163.40</b>



### 1.4 GPM By-Pass 12 V Pump

- 78 PSI internal by-pass.
- Viton® valves and Santoprene® diaphragm.
- 3/8" NPT(F) ports.

PSI	GPM	AMPS
20	1.30	4.0
30	1.11	4.7
40	0.69	5.2
60	0.18	5.5

PART	DESCRIPTION	PRICE (F)
8000-543-250	By-Pass Pump	<b>162.95</b>



### Heat Sinks – Available in 3" & 5" Lengths

- Mounts to standard SHURflo pump motor.
- Cools pump motor in continuous-duty applications

PART	DESCRIPTION	PRICE (F)
34-006	3" (7.6cm) Heat Sink	<b>25.75</b>
34-007	5" (12.7cm) Heat Sink	<b>27.30</b>



PSI	GPM	AMPS
10	4.7	9.0
20	4.3	11.8
30	4.1	12.4
40	3.8	14.0
50	3.6	15.4

### ShurFlo 5.3 GPM 12 Volt Pump

- 5.3 GPM open flow; 3.8 GPM @ 40 PSI.
- 60 PSI pressure switch built in.
- Viton valves; Santoprene diaphragm.
- 1/2" Female NPT Inlet and Outlet ports.

PART	DESCRIPTION	PRICE (F)
5059-1310-D011	12 Volt Pump	<b>269.30</b>



PART	PSI	GPM	AMPS
8020-503-250	10	1.4	.37
	20	1.3	.44
	30	1.1	.50
	40	0.8	.56
2088-394-144	10	2.4	.55
	20	2.2	.60
	30	1.9	.65
	40	1.6	.70

### 115 V Pumps

- 3/8" ports.
- Internal relief 45 PSI.
- Viton® valves and Santoprene® diaphragm.
- No pressure switch.

PART	DESCRIPTION	PRICE (F)
8020-503-250	By-Pass Pump, 115V	<b>251.80</b>
2088-394-144	115V, 45 PSI Demand Switch	<b>302.55</b>
2088-394-154	115V, 45 PSI Demand Switch, Flying Leads	<b>278.20</b>



### 115 V Pumps

- 236 Series
- 1.4 GPM open flow (1.0 GPM @ 30 PSI).
- 60 PSI pressure switch.

### 238 Series

- 1.6 GPM open flow (1.0 GPM @ 50 PSI).
- 100 PSI pressure switch.

PART	DESCRIPTION	PRICE (F)
8020-513-236	60 PSI	<b>251.75</b>
8020-833-238	100 PSI	<b>288.75</b>



TrunkPump turns pumping into an easy one-person job and saves time, money and labor because your tractor does all the hard work.

TrunkPump Dewatering, Trash & Pressure Pumps handle a wide variety of applications, and our full line of Accessories help get the job done.

All 3-Point (Category 1) Models include Tractor Mounting Hardware and PTO shaft.



*PTO- Driven Model (shown with optional hose kit)*



*Hydraulic-Driven Model*



*Cylinder-Style Strainer*



*Taper-Style Strainer*

#### PTO-Driven Pumps – Category 1, 540 rpm; require 8HP motor

PART	DESCRIPTION	PRICE (G)
TP-3PTV	3" De-Watering Self-Priming Poly Pump (Hypro 1543P) • 400+ GPM; 90' total head, up to 40 PSI. • Useful for a wide range of water / liquid transfer / evacuation applications where volume is important. Easy to maintain.	CALL
TP-2PTP	2" High Pressure Self-Priming Die Cast Aluminum Pump • 120+ GPM; 18 feet suction head, up to 88 PSI (75 PSI @ 30 GPM) • Useful for irrigation and high head / pressure applications where moderate volume is required. Silicone Carbide seal.	CALL
TP-2PTR	2" Trash Self-Priming Die Cast Aluminum Pump • 120+ GPM; 25 feet suction head, up to 45 PSI • Useful for water transfer / evacuation – handles solids up to 1"	CALL
TP-3PTR	3" Trash Self-Priming Die Cast Aluminum Pump • 300+ GPM; 25 feet suction head, up to 40 PSI • Useful for water transfer / evacuation – handles solids up to 1.25" • Heavy duty; Ductile Iron Impeller, Cast Iron volute.	CALL
TP-4PTR	4" Trash Self-Priming Die Cast Iron Pump • 500+ GPM; REQUIRES 16 HP motor • Useful for high water transfer / evacuation – handles solids up to 2"	CALL

#### Hydraulic Driven De-Watering Pumps

Pumps come in compact roll cage configuration with cam-lock pump fittings, hydraulic flow regulating manifold, 8 ft hydraulic hoses w/ male and female Flush-Face Quick Disconnect Couplings (ISO-16028 interface for universal interchangeability). 1-year Manufacturer's Warranty.

Requirements: Remote hydraulics with 9 – 30 GPM and 1200 PSI minimum

PART	DESCRIPTION	PRICE (G)
TP-2HYD	2" De-Watering Self-Priming Reinforced Poly Pump • 190+ GPM; Total Dynamic Head: 70+ feet, self-priming to 25 feet • Built-in check valve; 75 lbs., 25" x 19" x 19"	CALL
TP-3HYD	3" De-Watering Self-Priming Reinforced Poly Pump • 280+ GPM; Total Dynamic Head: 70+ feet, self-priming to 25 feet • Built-in check valve; 75 lbs., 25" x 19" x 19"	CALL

#### Specialty Shallow Strainers – Includes elbow fitting

PART	DESCRIPTION	PRICE (I)
SHALLOWSTRAIN2	2" Cylinder-Style Strainer – draws to ½" depth	CALL
SHALLOWSTRAIN3	3" Cylinder-Style Strainer – draws to ½" depth	CALL
SHALLOWSTRAIN	2" Taper-Style Strainer – draws to ¼" depth	CALL
SHALLOWSTRAIN3A	3" Taper-Style Strainer – draws to ¼" depth	CALL





#### Cox 1/2" Manual Wind Hose Reel

- All welded powder-coated steel "A" frame for superior strength and durability.
- Permanently lubricated self-aligning bearings for trouble-free and smooth rotation.
- Adjustable tension brake to prevent "free-wheeling" during operation.
- Long-handled locking pin to secure reel from rotation during transportation / storage.
- 3,000 PSI operating capacity.
- Solid brass machined 90° swivel with 1/2" FNPT port and Nitrile seals.
- Capacity: 325' of 1/2" ID hose; up to 450' of 3/8" ID hose (reducer required).

PART	DESCRIPTION	PRICE(I)
HR	Manual wind hose reel – 325' capacity, 1/2" brass swivel	<b>CALL</b>



#### Cox 1" Manual Wind Hose Reel

- All welded powder-coated steel "A" frame for superior strength and durability.
- Permanently lubricated self-aligning bearings for trouble-free and smooth rotation.
- Adjustable tension brake to prevent "free-wheeling" during operation.
- Long-handled locking pin to secure reel from rotation during transportation / storage.
- 3,000 PSI operating capacity.
- Nickel plated steel 90° swivel with 1" FNPT port and AFLAS seals.
- Capacity: 100' of 1" ID hose; up to 150' of 3/4" ID hose (reducer required).

PART	DESCRIPTION	PRICE(I)
HR1	Manual wind hose reel – 100' capacity, 1" brass swivel	<b>CALL</b>



#### Cox 1/2" Electric Wind Hose Reel

- All welded powder-coated steel "A" frame for superior strength and durability.
- Heavy-duty gear-driven reversible motor. 1/3 HP 12-volt DC (non-CSA).
- Permanently lubricated self-aligning bearings for trouble-free and smooth rotation.
- 3,000 PSI operating capacity.
- Solid brass machined 90° swivel with 1/2" FNPT port and Nitrile seals.
- Capacity: 325' of 1/2" ID hose; up to 450' of 3/8" ID hose (reducer required).

PART	DESCRIPTION	PRICE(I)
HRE	Electric wind hose reel – 325' capacity, 1/2" brass swivel	<b>CALL</b>



Hose not included

#### Cox Swivel Mount Series Hose Reels

- Professional grade heavy-duty steel construction with durable proprietary CPC™ powder coat process; solid one-piece heavy gauge steel frame.
- Unique hose control bar keeps hose from slipping off the disc from any direction.
- Adjustable tension brake to prevent "free-wheeling" during operation / transport.
- Maximum 4,000 PSI operating capacity.
- Optional 8-position swivel mount wall mount bracket with lock pin sold separately.

PART	DESCRIPTION	PRICE(I)
HRSM100	Swivel Mount Hose Reel – 100' capacity, 3/8" brass swivel	<b>CALL</b>
HRSM125	Swivel Mount Hose Reel – 125' capacity, 1/2" brass swivel	<b>CALL</b>
HRSM250	Swivel Mount Hose Reel – 250' capacity, 1/2" brass swivel	<b>CALL</b>



#### Cox 12 Volt Hose Reel Accessories

For use with Cox 3/4" Electric Hose Reel (model # HRE).

PART	DESCRIPTION	PRICE(I)
HRCB	40 Amp Circuit Breaker	<b>49.70</b>
HRSOLENOID	Solenoid Switch	<b>95.30</b>
HRSWITCH	Push ON/OFF Switch	<b>32.35</b>



3/8 & 1/2"

3/4"

1"

#### Hose Reel Swivels

PART	DESCRIPTION	PRICE(I)
HRS-3/8	3/8" Swivel – 3000 PSI	<b>62.50</b>
HRS-1/2	1/2" Swivel – 1250 PSI	<b>95.30</b>
HRS-3/4	3/4" Swivel – 1500 PSI	<b>165.70</b>
HRS-1	1" Swivel – 300 PSI	<b>CALL</b>



#### Wall Mount Bracket

For use with Cox Swivel Mount Series hose reels. Pivoting base for wall mount only. As shown.

PART	PRICE(I)
HRSMBR-W	<b>123.60</b>



#### Roller Bracket

For use with Cox 1/2" Hose Reels (HR & HRE models).

PART	PRICE(I)
HRROLLER	<b>CALL</b>

#### Cox Reel Swivel Repair Kits

PART	DESCRIPTION	PRICE(I)
HRS-3/8KIT	Repair Kit for 3/8" Swivel	<b>18.00</b>
HRS-1/2KIT	Repair Kit for 1/2" Swivel	<b>11.15</b>
HRS-3/4KIT	Repair Kit for 3/4" Swivel	<b>12.95</b>

*Other Cox hose reel models and accessories available by special order – please call us for further details!*

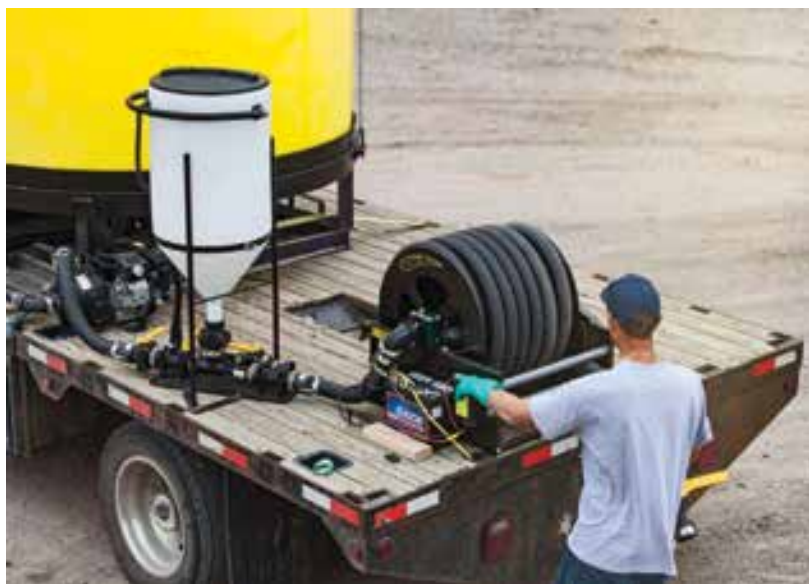
# SUPER REELS by F/S Manufacturing



Model HRE100SS



Model HRE200SS



Model HRE300SS

## Features:

- Heavy Duty Construction
- 12V Motor with Hand Control
- Manual Crank Handle Included
- Guide Tubes for Easy Retrieval
- Stainless Steel Swivel – standard on all models
- Manual Clutch Lockout for Easy Pull-Out
- 2-Way Wireless and Manual Switches.
- Remote Controller.
- Chain Guard
- Durable, powder-coat finish.

PART	DESCRIPTION	PRICE (J)
HRE100SS	1" Electric Hose Reel w/ Stainless Steel Swivel	CALL
HRE200SS	2" Electric Hose Reel w/ Stainless Steel Swivel	CALL
HRE300SS	3" Electric Hose Reel w/ Stainless Steel Swivel	CALL

## Product Specifications:

Model	Dimensions	Weight	Hose Capacity	<b>* NOTE:</b> Manual Crank Handle adds 5" to width.
HRE100SS	22" L x 29" W* x 22" H	132 lbs / 60 kg	100' of 1" Suction Hose or 500' of 1/2" Sprayer Hose	
HRE200SS	29" L x 31" W* x 27" H	150 lbs / 68 kg	75' of 2" Suction Hose	
HRE300SS	41" L x 31" W* x 39" H	255 lbs / 116 kg	75' of 3" Suction Hose	

# Valves



## Brass Ball Valves

- Forged brass body with plastic coated handle.
- Standard Port.
- 600 PSI W-O-G rated.
- Female NPT x Female NPT.

PART	DESCRIPTION	PRICE(F)
BV014	¼" FNPT x ¼" FNPT	4.95
BV038	⅜" FNPT x ⅜" FNPT	4.80
BV012	½" FNPT x ½" FNPT	6.35
BV034	¾" FNPT x ¾" FNPT	9.85
BV100	1" FNPT x 1" FNPT	16.25
BV114	1 ¼" FNPT x 1 ¼" FNPT	26.30
BV112	1 ½" FNPT x 1 ½" FNPT	40.50
BV200	2" FNPT x 2" FNPT	53.40
BV250	2 ½" FNPT x 2 ½" FNPT	127.25
BV300	3" FNPT x 3" FNPT	174.35
BV400	4" FNPT x 4" FNPT	290.80



## Stainless Steel Full Port Ball Valves

- 316 Stainless Steel body with plastic coated handle.
- Full Port to reduce flow restriction.
- 1000 PSI W-O-G rated.
- Female NPT x Female NPT.

PART	DESCRIPTION	PRICE(E)
BVSS014	¼" FNPT x ¼" FNPT	27.00
BVSS038	⅜" FNPT x ⅜" FNPT	27.00
BVSS012	½" FNPT x ½" FNPT	14.75
BVSS034	¾" FNPT x ¾" FNPT	41.30
BVSS100	1" FNPT x 1" FNPT	55.80
BVSS114	1 ¼" FNPT x 1 ¼" FNPT	83.55
BVSS112	1 ½" FNPT x 1 ½" FNPT	119.00
BVSS200	2" FNPT x 2" FNPT	161.90
BVSS300	3" FNPT x 3" FNPT	773.05

**NOTE: 304 Stainless Steel valves also available. Please inquire.**



## Economy PVC Ball Valves

- Rated for water only.
- EPDM Seat and Stem O-ring.
- 150 PSI @ 73°F (22°C) maximum.
- 32°F to 122°F (0°C to 50°C) operating temperature.
- Female NPT x Female NPT.

PART	DESCRIPTION	PRICE(F)
BVPVC012	½" FNPT x ½" FNPT	2.80
BVPVC034	¾" FNPT x ¾" FNPT	4.15
BVPVC100	1" FNPT x 1" FNPT	6.45
BVPVC114	1 ¼" FNPT x 1 ¼" FNPT	8.90
BVPVC112	1 ½" FNPT x 1 ½" FNPT	12.50
BVPVC200	2" FNPT x 2" FNPT	19.90
BVPVC300	3" FNPT x 3" FNPT	74.70
BVPVC400	4" FNPT x 4" FNPT	201.30



## Brass Gate Valves

- 600 PSI W-O-G rated.
- Female NPT x Female NPT.

PART	DESCRIPTION	PRICE(F)
GV012	½" FNPT x ½" FNPT	9.15
GV034	¾" FNPT x ¾" FNPT	11.45
GV100	1" FNPT x 1" FNPT	17.05
GV114	1 ¼" FNPT x 1 ¼" FNPT	22.70
GV112	1 ½" FNPT x 1 ½" FNPT	33.25
GV200	2" FNPT x 2" FNPT	47.90
GV300	3" FNPT x 3" FNPT	121.25
GV400	4" FNPT x 4" FNPT	188.95



## PVC Gate Valves

- 200 PSI working pressure (tested to 500 PSI @ 73°F).
- EPDM O-Ring.
- 1 ½" Female NPT X 1 ½" Female NPT

PART	DESCRIPTION	PRICE(E)
GVPVC112	1 ½" FNPT x 1 ½" FNPT	20.10



## Drum / Barrel Faucet Kit

- Includes tank fitting and PVC hose bib shut-off.
- Hose bib features male garden hose thread outlet.
- Perfect for rain barrels.

PART	DESCRIPTION	PRICE(F)
DRUMKIT	Drum Faucet/Tank Fitting Kit	13.95



## Shut-off Valves

- All models feature Female GH x Male GH thread.
- 74VALVE, 300, 075HGB Valves – full port flow.

PART	DESCRIPTION	PRICE(F)
74VALVE	Dramm HD Poly Valve	23.25
300	Dramm Brass Valve	31.35
075HGB	Brass GH x GH Valve	29.85
DRAMMVALVE-QAV	Dramm Poly Valve	6.95



## PVC Check Valves

- PVC body and poppet.
- Stainless steel spring and EPDM gasket.
- Maximum 100 PSI rating.
- Maximum temperature 140°F (160°C).
- Female NPT x Female NPT ports.

PART	DESCRIPTION	PRICE(F)
CVPVC0500	½" FNPT x ½" FNPT	8.65
CVPVC0750	¾" FNPT x ¾" FNPT	9.50
CVPVC1000	1" FNPT x 1" FNPT	13.85
CVPVC1250	1 ¼" FNPT x 1 ¼" FNPT	18.50
CVPVC1500	1 ½" FNPT x 1 ½" FNPT	19.15
CVPVC2000	2" FNPT x 2" FNPT	23.15
CVPVC3000	3" FNPT x 3" FNPT	170.90



## Banjo 3" Full Port Poly Check Valve

- One piece glass reinforced poly construction.
- 150 PSI maximum.
- 1 to 2 PSI spring.
- 316 Stainless Steel spring.
- EPDM gasket.
- Female NPT x Female NPT ports.
- Flange style also available (see Banjo Manifold fitting section for more information).

PART	DESCRIPTION	PRICE(B)
CV300	3" Full Port Check Valve	67.95



## Valves

**8-Bolt Full Port Poly Ball Valve**

- Stainless steel bolts.
- 90 PSI @ 70°F; 50 PSI @ 150°F rating.
- Female NPT x Female NPT.

PART	DESCRIPTION	PRICE(C)
PBV400FP	4" Full Port	<b>469.40</b>

**8-Bolt Valve Handle – Blue**

PART	DESCRIPTION	PRICE(C)
62839	4" Valve Handle	<b>11.45</b>

**6-Bolt Full Port Poly Ball Valves**

- Stainless steel bolts; self-aligning ball (diamond turned for precision).
- Viton O-Rings.
- Teflon® stem bushings and seats.
- 100 PSI @ 70°F; 75 PSI @ 150°F rating.
- Female NPT x Female NPT.

PART	DESCRIPTION	PRICE(C)
PBV200FP	2" Full Port	<b>82.35</b>
PBV300FP	3" Full Port	<b>212.05</b>
PBV300STD	3" Standard Port (2 1/2" ID)	<b>152.70</b>

**6-Bolt Valve Handles**

PART	DESCRIPTION	PRICE(C)
61724	2" Valve Handle – blue	<b>11.45</b>
V25153-GL	3" Valve Handle – green	<b>19.05</b>

**4-Bolt Poly Ball Valves**

- Stainless steel bolts; self-aligning ball (diamond turned for precision).
- Viton O-Rings.
- Teflon® stem bushings and seats.
- 150 PSI @ 70°F; 75 PSI @ 150°F rating.
- Female NPT x Female NPT.

PART	DESCRIPTION	PRICE(C)
PBV050FP	1/2" Full Port	<b>44.15</b>
PBV075FP	3/4" Full Port	<b>44.15</b>
PBV100FP	1" Full Port	<b>51.70</b>
PBV125FP	1 1/4" Full Port	<b>65.20</b>
PBV150FP	1 1/2" Full Port	<b>65.20</b>
PBV200FP-4	2" Full Port – 4 Bolt	<b>90.05</b>
PBV200STD	2" Standard Port	<b>67.45</b>

**4-Bolt Valve Handles – Blue**

PART	DESCRIPTION	PRICE(C)
61721	1/2", 3/4" Valve Handle	<b>4.00</b>
61722	1" Valve Handle	<b>4.45</b>
61723	2" Valve Handle	<b>7.40</b>

**Compact 4-Bolt 2" Full Port Poly Ball Valves**

- 3 Styles available – Male NPT x Female NPT, Female NPT x Female NPT (*not shown*), and Male NPT x Male Camlock Coupler.
- Teflon® seats and EPDM O-rings.
- 125 PSI rated @ 70°F.

PART	DESCRIPTION	PRICE(C)
PBV200FP-MF-C	2" FP MNPT x FNPT	<b>74.20</b>
PBV200FP-4-N	2" FP FNPT x FNPT	<b>74.20</b>
PBV200FP-MA-C	2" FP MNPT x M coupler	<b>79.45</b>

**Replacement Valve Handles – Blue**

PART	DESCRIPTION	PRICE(C)
61723	2" Valve Handle	<b>7.40</b>

**3/4" and 2" Poly 3-Way Valves**

- Teflon® seats and EPDM O-rings.
- 125 PSI rated @ 70°F.
- 3/4" Valve is full port; 2" valve is standard port.

PART	DESCRIPTION	PRICE(C)
3WAY-3/4	3/4" 3-Way Full Port Valve	<b>60.45</b>
3WAY-2	2" 3-Way Standard Port Valve	<b>85.60</b>

**3-Way Valve Handles – Blue**

PART	DESCRIPTION	PRICE(C)
61735	3/4" Valve Handle	<b>5.20</b>
61736	2" Valve Handle	<b>13.70</b>

**2" 6-Bolt 90° Shut-off Full Port Valve Nozzle**

- Teflon® seats and EPDM O-rings.
- 125 PSI rated @ 70°F.

PART	DESCRIPTION	PRICE(C)
PBV200FPNZ	2" Full Port 90° Nozzle	<b>127.10</b>

**Replacement Valve Handle – Blue**

PART	DESCRIPTION	PRICE(C)
61726	2" Valve Handle	<b>11.45</b>

**1" Single Union Ball Valve - 45° Nozzle Valve**

- Teflon® seats and EPDM O-rings.
- 125 PSI rated @ 70°F.

PART	DESCRIPTION	PRICE(C)
PBVSU100-45		<b>31.50</b>

**Valve Replacement Parts**

PART	DESCRIPTION	PRICE(C)
60446	1" Valve Handle - Blue	<b>5.45</b>

**DON'T SEE WHAT YOU NEED?**

**MORE VALVES AVAILABLE IN THE BANJO SECTION OF OUR CATALOGUE.**

**Single Union Poly Ball Valves**

- Teflon® seats and EPDM O-rings.
- 125 PSI rated @ 70°F.
- Female NPT x Female NPT.

PART	DESCRIPTION	PRICE(C)
PBVSU050	1/2" Single Union Valve	<b>18.80</b>
PBVSU075	3/4" Single Union Valve	<b>21.95</b>
PBVSU100	1" Single Union Valve	<b>26.50</b>
PBVSU125	1 1/4" Single Union Valve	<b>43.45</b>
PBVSU150	1 1/2" Single Union Valve	<b>54.25</b>
PBVSU200	2" Single Union Valve	<b>70.95</b>
PBVSU300	3" Single Union Valve	<b>204.20</b>

**Single Union Ball Valve Handles – Blue**

PART	DESCRIPTION	PRICE(C)
60444	1/2" Valve Handle	<b>3.10</b>
60445	3/4" Valve Handle	<b>4.00</b>
60446	1" Valve Handle	<b>5.45</b>
60447	1 1/4" Valve Handle	<b>5.80</b>
60448	1 1/2" Valve Handle	<b>6.75</b>
60449	2" Valve Handle	<b>10.20</b>
60450	3" Valve Handle	<b>25.60</b>



#### Single Union

- 100 PSI maximum at 70°F.
- EPDM O-rings.
- PTFE seats for smooth operation.

PART	DESCRIPTION	PRICE (C)
UV050FP	½" Single Union	28.10
UV075FP	¾" Single Union	28.10
UV100FP	1" Single Union	35.15
UV125FP	1¼" Single Union	60.25
UV150FP	1½" Single Union	59.85
UV200FP	2" Single Union	76.00



#### 6 Bolt Valves

- Stainless steel bolts.
- FKM (viton type) seals.
- 100% PTFE ball seats.

PART	DESCRIPTION	PRICE (C)
V200FP	2" Full Port	109.10
V300	3" Standard Port	175.65
V300FP	3" Full Port	260.75
V400	4" Standard Port	569.85



#### 4 Bolt Full Port

- FKM (viton type seals).
- Self aligning ball.
- Ball is diamond turned for precise fit.
- Maximum 150 PSI at 70°F.
- Maximum 75 PSI at 150°F.
- Stainless steel bolts.

PART	DESCRIPTION	PRICE (C)
VFMT204FP	2" MPT x Male Cam-Lock	115.65
V204FP	2" FPT Full Port	103.45



#### 4 Bolt Valves

- Self aligning ball.
- Diamond turned ball.
- Stainless steel bolts.

PART	DESCRIPTION	PRICE (C)
V050	½" Full Port	54.70
V075-BJ	¾" Full Port	54.70
V100SP	1" Standard Port	54.70
V100FP	1" Full Port	60.30
V125	1¼" Standard Port	60.30
V125FP	1¼" Full Port	77.50
V150	1½" Full Port	77.50
V200	2" Standard Port	77.50



#### Poly Dispensing Nozzle

- Glass filled polypropylene.
- Stainless steel handle.
- Padlock capability.
- 75 PSI maximum.

PART	DESCRIPTION	PRICE (C)
VN100	1" Poly Nozzle	99.55



#### Nozzle Valves

PART	DESCRIPTION	PRICE (C)
VA150	1½" Nozzle Valve 90 Degree	93.30
VA200	2" Nozzle Valve 90 Degree	93.30
VA200/150	2" x 1½" Nozzle Valve 90 Degree	93.30
VA200FP	2" Full Port Nozzle Valve	139.55

## Banjo Stubby Valves

**Banjo 2" Full Port "Stubby" Ball Valves**

- Stainless Steel bolts
- 100% PTFE ball seats
- Glass-filled polyethylene body construction
- FKM (Viton-type) body seals
- Unique, lightweight design
- 100 PSI @ 70°F and 75 PSI @ 150°F



PART	DESCRIPTION	PRICE (C)
VSF204FP	2" Male Adapter x 2" FNPT	103.00



PART	DESCRIPTION	PRICE (C)
VSFMT204FP	2" Male Adapter x 2" MNPT	103.00



PART	DESCRIPTION	PRICE (C)
VSFMT204HSFP	2" Male Adapter x 2" MNPT w/ SS Ball, Stem, & Handle	270.30

**Banjo 2" and 3" "Stubby" Manifold Ball Valves**

- Stainless Steel bolts
- Multiple design options
- Glass-filled polyethylene body construction
- FKM (Viton-type) body seals
- Unique, lightweight design
- 100 PSI @ 70°F and 75 PSI @ 150°F



PART	DESCRIPTION	PRICE (C)
VSM200CF	2" Flange x 2" Male NPT	99.40



PART	DESCRIPTION	PRICE (C)
VSF200CF	2" Flange x 2" Male Adapter	85.30



PART	DESCRIPTION	PRICE (C)
MVS220FP	2" Full Port Flange x 2" Female NPT	123.55



PART	DESCRIPTION	PRICE (C)
MVSF220FP	2" Full Port Flange x 2" Male Adapter	103.00



PART	DESCRIPTION	PRICE (C)
MVS220CF	2" Full Port Flange x 2" Full Port Flange	103.00



PART	DESCRIPTION	PRICE (C)
MVSMT220FP	2" Full Port Flange x 2" Male NPT	103.00



PART	DESCRIPTION	PRICE (C)
MVSF300	3" Flange x 3" Male Adapter	210.45



PART	DESCRIPTION	PRICE (C)
MVSMT300	3" Flange x 3" Male NPT	263.00



PART	DESCRIPTION	PRICE (C)
MVS300CF	3" Flange x 3" Flange	210.45
MVS300CFPP	3" Full Port Flange x 3" Full Port Flange (shown)	257.45



# Aluminum and Stainless Steel Cam-Lock Fittings


**NPT Female x Adapter - Aluminum**

PART	SIZE	PRICE (E)
A34AL	3/4"	5.25
A1AL	1"	5.40
A114AL	1 1/4"	7.10
A112AL	1 1/2"	6.55
A2AL	2"	7.65
A3AL	3"	13.90
A4AL	4"	22.55


**NPT Male x Adapter - Aluminum**

PART	SIZE	PRICE (E)
B34AL	3/4"	12.05
B1AL	1"	13.50
B114AL	1 1/4"	16.90
B112AL	1 1/2"	16.90
B2AL	2"	18.15
B3AL	3"	30.75
B4AL	4"	40.80


**Hose Insert x Coupler - Aluminum**

PART	SIZE	PRICE (E)
C34AL	3/4"	9.80
C1AL	1"	11.80
C114AL	1 1/4"	16.90
C112AL	1 1/2"	16.15
C2AL	2"	19.00
C3AL	3"	32.30
C4AL	4"	43.05


**NPT Female x Coupler - Aluminum**

PART	SIZE	PRICE (E)
D34AL	3/4"	12.20
D1AL	1"	13.05
D114AL	1 1/4"	17.45
D112AL	1 1/2"	16.90
D2AL	2"	18.15
D3AL	3"	31.45
D4AL	4"	42.35

**Stainless Steel**

PART	SIZE	PRICE (E)
A34SS	3/4"	14.45
A1SS	1"	18.85
A114SS	1 1/4"	26.50
A112SS	1 1/2"	32.05
A2SS	2"	39.10
A3SS	3"	77.05
A4SS	4"	123.90

**Stainless Steel**

PART	SIZE	PRICE (E)
B34SS	3/4"	25.50
B1SS	1"	32.15
B114SS	1 1/4"	47.30
B112SS	1 1/2"	50.85
B2SS	2"	60.75
B3SS	3"	110.35
B4SS	4"	158.75

**Stainless Steel**

PART	SIZE	PRICE (E)
C34SS	3/4"	24.25
C1SS	1"	31.05
C114SS	1 1/4"	48.05
C112SS	1 1/2"	50.60
C2SS	2"	70.55
C3SS	3"	136.80
C4SS	4"	183.55

**Stainless Steel**

PART	SIZE	PRICE (E)
D34SS	3/4"	27.20
D1SS-QC	1"	34.85
D114SS	1 1/4"	50.00
D112SS	1 1/2"	53.10
D200SS	2"	66.85
D300SS	3"	120.80
D400SS	4"	179.85


**Hose Insert x Adapter - Aluminum**

PART	SIZE	PRICE (E)
E34AL	3/4"	5.55
E1AL	1"	6.40
E114AL	1 1/4"	8.25
E112AL	1 1/2"	7.95
E2AL	2"	10.10
E3AL	3"	20.15
E4AL	4"	33.30


**NPT Male x Adapter - Aluminum**

PART	SIZE	PRICE (E)
F34AL	3/4"	6.80
F1AL	1"	7.40
F114AL	1 1/4"	9.95
F112AL	1 1/2"	8.50
F2AL	2"	10.35
F3AL	3"	20.00
F4AL	4"	32.30


**Dust Caps - Aluminum**

PART	SIZE	PRICE (E)
DC34AL	3/4"	10.35
DC1AL	1"	11.80
DC114AL	1 1/4"	15.75
DC112AL	1 1/2"	14.20
DC2AL	2"	16.45
DC3AL	3"	26.95
DC4AL	4"	36.55


**Dust Plugs - Aluminum**

PART	SIZE	PRICE (E)
DP34AL	3/4"	4.55
DP1AL	1"	5.40
DP114AL	1 1/4"	6.55
DP112AL	1 1/2"	5.70
DP2AL	2"	7.55
DP3AL	3"	12.35
DP4AL	4"	20.15

**Stainless Steel**

PART	SIZE	PRICE (E)
E34SS	3/4"	13.90
E1SS	1"	22.25
E114SS	1 1/4"	31.75
E112SS	1 1/2"	40.10
E2SS	2"	56.95
E3SS	3"	110.20
E4SS	4"	170.65

**Stainless Steel**

PART	SIZE	PRICE (E)
F34SS	3/4"	18.45
F1SS	1"	24.50
F114SS	1 1/4"	38.25
F112SS	1 1/2"	44.90
F2SS	2"	56.65
F3SS	3"	102.70
F4SS	4"	182.55

**Stainless Steel**

PART	SIZE	PRICE (E)
DC34SS	3/4"	21.85
DC1SS	1"	27.90
DC114SS	1 1/4"	40.40
DC112SS	1 1/2"	42.35
DC2SS	2"	54.10
DC3SS	3"	92.35
DC4SS	4"	127.20

**Stainless Steel**

PART	SIZE	PRICE (E)
DP34SS	3/4"	9.65
DP1SS	1"	13.20
DP114SS	1 1/4"	23.55
DP112SS	1 1/2"	24.50
DP2SS	2"	38.10
DP3SS	3"	65.85
DP4SS	4"	115.45

Note: All 3/4" to 2" aluminum coupler cam-lock fittings are rated 250 PSI max.



# Cam-Lock Fittings


**NPT Female x Adapter**

PART	SIZE	PRICE (C)
A12	1/2"	6.70
A34	3/4"	6.70
A1	1"	6.70
A114	1 1/4"	7.60
A112	1 1/2"	7.60
A2	2"	8.95
A3	3"	21.60
A4	4"	32.90


**NPT Male x Coupler**

PART	SIZE	PRICE (C)
B12	1/2"	15.25
B34	3/4"	15.25
B1	1"	17.55
B114	1 1/4"	20.55
B112	1 1/2"	20.55
B2	2"	25.00
B3	3"	42.05
B4	4"	83.30


**Hose Insert x Coupler**

PART	SIZE	PRICE (C)
C12	1/2"	15.25
C34	3/4"	15.25
C1	1"	17.55
C114	1 1/4"	20.55
C112	1 1/2"	20.55
C2	2"	25.00
C3	3"	42.05
C4	4"	83.30


**NPT Female x Coupler**

PART	SIZE	PRICE (C)
D12	1/2"	15.25
D34	3/4"	15.25
D1	1"	17.55
D114	1 1/4"	20.55
D112	1 1/2"	20.55
D2	2"	25.00
D3	3"	42.05
D4	4"	83.30


**Hose Insert x Adapter**

PART	SIZE	PRICE (C)
E12	1/2"	7.20
E34	3/4"	7.20
E1	1"	8.00
E114	1 1/4"	8.05
E112	1 1/2"	8.05
E2	2"	10.55
E3	3"	27.65
E4	4"	32.90


**NPT Male x Adapter**

PART	SIZE	PRICE (C)
F12	1/2"	7.20
F34	3/4"	7.20
F1	1"	8.00
F114	1 1/4"	8.05
F112	1 1/2"	8.05
F2	2"	10.55
F3	3"	27.65
F4	4"	32.90


**Dust Caps**

PART	SIZE	PRICE (C)
DC34	1/2", 3/4"	15.25
DC1	1"	16.85
DC112	1 1/4", 1 1/2"	20.55
DC2	2"	25.00
DC3	3"	42.05
DC4	4"	60.75


**Dust Plugs**

PART	SIZE	PRICE (C)
DP34	1/2", 3/4"	7.20
DP1	1"	6.95
DP112	1 1/4", 1 1/2"	7.75
DP2	2"	10.50
DP3	3"	21.95
DP4	4"	25.90
300PLH	3" w/ Handle	33.20


**90° Elbow NPT Female x Adapter**

PART	SIZE	PRICE (C)
A112-90	1 1/2"	11.80
A2-90	2"	12.40


**90° Elbow Hose Insert x Coupler**

PART	SIZE	PRICE (C)
C112-90	1 1/2"	25.45
C2-90	2"	30.10


**90° Elbow NPT Female x Coupler**

PART	SIZE	PRICE (C)
D112-90	1 1/2"	25.45
D2-90	2"	30.10


**90° Elbow NPT Male x Adapter**

PART	SIZE	PRICE (C)
F112-90	1 1/2"	13.60
F2-90	2"	14.05


**EPDM Gaskets**

PART	SIZE	PRICE (C)
G34	Fits 1/2" x 3/4"	1.30
G1	Fits 1"	1.30
G114/112	Fits 1 1/4" and 1 1/2"	1.30
G2	Fits 2"	1.45
G3	Fits 3"	2.10
G4	Fits 4"	5.45

Note: All poly cam-lock fittings are rated 125 PSI max. and 140°F max.


**Poly Swivels MNPT x FNPT**

PART	SIZE	PRICE (C)
SW100	1" x 1"	22.35
SW150	1 1/2" x 1 1/2"	27.35
SW200	2" x 2"	30.65
SW220	2" x 2" Full Port	51.00

## Dry Poppet Couplers

- 30 GPM maximum flow
- Lightweight, easy-to-use design
- Reduces risk of exposure to fluid
- Wide range of chemical resistance
- Precision molded polypropylene
- Maximum operating pressure: 70 PSI @ 21°C (70°F)
- Maximum operating temperature of 66°C (150°F)
- 1" Female NPT threads with FKM (Viton-type) Seals


**Male and Female Assembled**

PART	DESCRIPTION	PRICE (C)
POPPET-F	Female Dry Poppet Coupler, 1" FNPT, FKM Seals	122.25
POPPET-M	Male Dry Poppet Coupler, 1" FNPT, FKM Seals	96.90



## • FPT x Adapter.

PART	DESCRIPTION	PRICE (C)
75A3/4	¾"	7.25
100A	1"	7.25
125A	1¼"	7.25
150125A	1¼" FPT x 1½" Adapter	9.90
150A	1½"	8.20
200A	2"	9.70
300A	3"	23.40
400A	4"	42.80



## • MPT Male x Coupler.

PART	DESCRIPTION	PRICE (C)
75B3/4	¾"	16.55
100B	1"	19.00
125B	1¼"	19.00
150125B	1¼" MPT x 1½" Coupler	26.75
150B	1½"	22.30
200B	2"	27.15
300B	3"	45.60
400B	4"	108.35



## • Hose x Coupler.

PART	DESCRIPTION	PRICE (C)
050C	½"	16.55
075C	¾"	16.55
100C	1"	19.00
125C	1¼"	19.00
150125C	1¼" Hose x 1½" Coupler	26.80
150C	1½"	22.30
200C	2"	27.15
300C	3"	45.60
400C	4"	90.30



## • FPT x Coupler.

PART	DESCRIPTION	PRICE (C)
050D	½"	16.55
075D	¾"	16.55
100D	1"	19.00
125D	1¼"	19.00
150125D	1¼" FPT x 1½" Coupler	26.75
150D	1½"	22.30
200D	2"	27.15
300D	3"	45.60
400D	4"	90.30



## • Hose x Adapter.

PART	DESCRIPTION	PRICE (C)
050E	½"	7.85
075E	¾"	7.85
100E	1"	7.40
125E	1¼"	8.70
150125E	1¼" Hose x 1½" Adapter	10.45
150E	1½"	8.75
200E	2"	11.45
300E	3"	30.00
400E	4"	42.80



## • MPT x Adapter.

PART	DESCRIPTION	PRICE (C)
050F	½"	7.85
075F	¾"	7.85
100F	1"	8.70
125F	1¼"	8.70
150125F	1¼" MPT x 1½" Adapter	10.45
150F	1½"	8.75
200F	2"	11.45
300F	3"	30.00
400F	4"	42.80



## • Plug.

PART	DESCRIPTION	PRICE (C)
075PL	¾"	7.85
100125PL	1" and 1¼" Couplers	7.50
150PL	1½"	10.10
200PL	2"	11.35
300PL	3"	23.80
400PLUG	4"	33.65



## • Cap.

PART	DESCRIPTION	PRICE (C)
075CAP	¾"	16.55
100125CAP	1"	18.25
150CAP	1½"	22.30
200CAP	2"	27.15
300CAP	3"	45.60
400CAP	4"	65.85



## • 90° Part A.

PART	DESCRIPTION	PRICE (C)
150A-90	1½"	15.55
200A-90	2"	17.75



## • 90° Part C.

PART	DESCRIPTION	PRICE (C)
150C-90	1½"	32.05
200C-90	2"	33.10



## • 90° Part D.

PART	DESCRIPTION	PRICE (C)
150D-90	1½"	32.05
200D-90	2"	33.10



## • 90° and 45° Part F.

PART	DESCRIPTION	PRICE (C)
200F-90	2" 90°	16.65
200F45	2" 45°	31.30



PART	DESCRIPTION	PRICE (C)
M303D	3" Full Flange x 3" Female Coupler	59.65



PART	DESCRIPTION	PRICE (C)
303B200A	3" Coupler x 2" Adapter	81.40



PART	DESCRIPTION	PRICE (C)
300F200F	3" Adapter x 2" Adapter	71.60



PART	DESCRIPTION	PRICE (C)
300FF	3" Adapter x 3" Adapter	71.60



## Banjo Camlock/Manifold/Sweep Fittings



PART	DESCRIPTION	PRICE (C)
200B90	2" 90° Female Coupler x 2" MNPT	<b>39.70</b>



PART	DESCRIPTION	PRICE (C)
201B	2" Female Coupler x 2" Extended MNPT	<b>27.15</b>



PART	DESCRIPTION	PRICE (C)
303B	3" Female Coupler x 3" Extended MNPT	<b>58.45</b>

**Sweep Features:**

- Direct Replacement for Standard 90° Flanged Couplings
- Easy ON/OFF Hose Connections
- Improved Flow for Maximum GPM
- Quick and Easy Assembly
- Positive Seals
- 360° Orientation

**Flange X Flange Sweep**

PART	DESCRIPTION	PRICE (C)
M100SWP90	1" x 1"	<b>19.45</b>
M200SWP90	2" Std. x 2" Std.	<b>22.10</b>
M220200SWP90	2" Full Port x 2" Std. Port	<b>23.85</b>
M220SWP90	2" Full Port x 2" Full Port	<b>20.40</b>
M300SWP90	3" x 3"	<b>93.55</b>
M300220SWP90	3" x 2" Full Port	<b>93.55</b>

**Flange X Male Adapter Sweep**

PART	DESCRIPTION	PRICE (C)
M220ASWP90	2" FP x 2" Male Adapter	<b>20.40</b>
M300ASWP90	3" x 3" Male Adapter	<b>102.90</b>

**Flange X Male NPT Sweep**

PART	DESCRIPTION	PRICE (C)
M220MPTSWP90	2" FP x 2" Male NPT	<b>22.45</b>
M300MPTSWP90	3" x 3" Male NPT	<b>102.90</b>

**Full Port Flange X Hose Barb w/ 1/4" Gauge Port**

PART	DESCRIPTION	PRICE (C)
M100BRB-SWPG90	1" FP x 1" Hose Shank w/ 1/4" Gauge Port	<b>22.00</b>

**Flange X Flange Sweep with 1/4" Gauge Port**

PART	DESCRIPTION	PRICE (C)
M100SWPG90	1" x 1" w/ 1/4" Gauge Port	<b>24.20</b>
M220SWPG90	2" FP x 2" FP w/ 1/4" Gauge Port	<b>23.55</b>
M300SWPG90	3" x 3" w/ 1/4" Gauge Port	<b>102.90</b>

**Flange X Hose Shank Sweep**

PART	DESCRIPTION	PRICE (C)
M100BRBSWP90	1" x 1" Hose Shank	<b>21.15</b>
M100125BRBSWP90	1" x 1 1/4" Hose Shank	<b>23.90</b>
M220BRBSWP90	2" FP x 2" Hose Shank	<b>48.10</b>
M300BRBSWP90	3" x 3" Hose Shank	<b>93.55</b>

**Hose Barb Sweep**

- Male NPT x Hose Barb Elbow

PART	DESCRIPTION	PRICE (C)
HB075SW90	3/4" NPT x 3/4" Barb	<b>6.50</b>
HB100SW90	1" NPT x 1" Barb	<b>8.40</b>
HB125SW90	1 1/4" NPT x 1 1/4" Barb	<b>13.40</b>
HB150SW90	1 1/2" NPT x 1 1/2" Barb	<b>14.35</b>
HB200SW90	2" NPT x 2" Barb	<b>15.10</b>
HB300SW90	3" NPT x 3" Barb	<b>51.75</b>

**90° Male Adapter Sweep**

- Male NPT x Male Adapter Elbow
- Improves flow
- Reduced back pressure on pump seal

PART	DESCRIPTION	PRICE (C)
200FSW90	2" Male Adapter x 2" Male NPT	<b>18.95</b>
300FSW90	3" Male Adapter x 3" Male NPT	<b>51.55</b>



# Manifold Fittings

## Features

- Positive Seals
- Quick & Easy Assembly
- Easy On/Off Hose Connections
- 360° Orientation
- 1" & 2" fittings pressure to 150 P.S.I. at 70 Degree
- 3" fittings pressure to 125 P.S.I. at 70 Degree



### Flanged Couplings

PART	DESCRIPTION	PRICE (C)
M100CPG	1" x 1" Flange Coupling	7.60
M200CPG	2" x 2" Standard Port Flange Coupling	18.15
M220CPG	2" x 2" Full Port Flange Coupling	20.35
M300CPG	3" x 3" Full Port Flange Coupling	24.00



### 90° Flanged Couplings

PART	DESCRIPTION	PRICE (C)
M100CPG90	1" x 1" 90°	10.60
M200CPG90	2" x 2" 90°	17.70
M200CPG90SH	2" x 2" Full Standard Port 90° Short	17.70
M220CPG90	2" x 2" Full Port Flange 90°	16.10
M300CPG90	3" Flange x 3" Flange 90 Degree	76.35



### 45° Flanged Couplings

PART	DESCRIPTION	PRICE (C)
M100CPG45	1" x 1" 45° Degree	15.70
M200CPG45	2" x 2" Standard Port 45°	18.55
M220CPG45	2" x 2" Full Port Flange 45°	22.35
M300CPG45	3" x 3" Flange 45°	91.30



### Flanged Reducer Couplings

PART	DESCRIPTION	PRICE (C)
M200100CPG	2" x 1" Flange Reducing Coupling	20.60
M220100CPG	2" Full Port x 1" Reducing Flange	22.65
M220200CPG	2" Full Port x 2" Reducing Flange	22.65
M300200CPG	3" x 2" Reducing Flange	52.80
M300220CPG	3" x 2" Full Port Reducing Flange	48.00



### Flanged Tee

PART	DESCRIPTION	PRICE (C)
M100TEE	1" Flanged Tee	9.75
M200100TEE	2" x 1" Flanged Tee	19.60
M200TEE	2" Flanged Tee	18.60
M200100TEEB	2" x 1" Standard Port w/Bracket	26.05
M220100TEE	2" Full Port x 2" x 1" Flanged Tee	20.70
M220TEE	2" Full Port Flanged Tee	18.60
M300TEE	3" Flanged Tee	87.65

### Flanged 3" Full Port Check Valve

- 150 PSI Maximum; 1 – 2 PSI spring
- 316 Stainless Steel spring; EPDM gasket
- One piece glass-reinforced Polypropylene construction



PART	DESCRIPTION	PRICE (C)
MCV301	3" Full Port Flanged Poly Check Valve	69.25

Other sizes of Flanged Check Valves available – Please Inquire.



### Flanged Y Couplings

PART	DESCRIPTION	PRICE (C)
M220Y45	2" FP X 2" FP x 2" FP Flanged 45°	90.45
M220YG45	2" FP X 2" FP x 2" FP Flanged 45° with 1/4" gauge port	107.85

### Flange X Female NPT Thread

PART	DESCRIPTION	PRICE (C)
M100050FPT	1" Flange x 1/2" FPT Adapter	3.55
M100075FPT	1" Flange x 3/4" FPT Adapter	3.55
M100FPT	1" Flange x 1" FPT Adapter	6.70
M200FPT	2" Flange x 2" FPT Adapter	19.40
M220FPT	2" Full Port Flange x 2" FPT Adapter	31.25
M300FPT	3" Flange x 3" FPT Adapter	50.35



### Flange X NPT Thread Poly

PART	DESCRIPTION	PRICE (C)
M100075MPT	1" Flange x 3/4" MPT	3.55
M100MPT	1" Flange x 1" MPT	3.55
M100125MPT	1" Flange x 1 1/4" MPT	3.55
M200125MPT	2" Flange x 1 1/4" MPT	6.70
M200150MPT	2" Flange x 1 1/2" MPT	6.70
M200MPT	2" Flange x 2" MPT	6.70
M220MPT	2" Flange x 2" MPT Thread	6.70
M300MPT	3" Flange x 3" MPT	18.60



### Flange Plugs (solid & w/gauge port)

PART	DESCRIPTION	PRICE (C)
M100PLG	1" Flange Plug	3.55
M200PLG	2" Flange Plug	6.70
M220PLG	2" Full Port Flange Plug	8.50
M300PLG	3" Flange Plug	22.65
M100PLG025	1" Flange x 1/4" FPT	15.70
M200PLG025	2" Std Port Flange Plug x 1/4" FPT	20.25
M200PLG038	2" Std Port Flange Plug x 3/8" FPT	22.15
M200PLG050	2" Flange Plug x 1/2" FPT	20.25
M200PLG075	2" Std Port Flange Plug x 3/4" FPT	20.25
M200PLG100	2" Flange Plug x 1" FPT	20.25
M220PLG075	2" Full Port Flange Plug x 3/4" FPT	30.85
M300PLG075	3" Flange Plug x 3/4" FPT	36.60
M300PLG100	3" Flange Plug x 1" FPT	37.75

## Manifold Fittings

**Flanged Cross**

PART	DESCRIPTION	PRICE (C)
M100CR	1" Flanged Cross	28.55
M200CR	2" Flanged Cross	46.50
M220CR	2" Full Port Flanged Cross	51.15
M300CR	3" Full Port Flanged Cross	102.80

**Flange X Male QDC**

PART	DESCRIPTION	PRICE (C)
M100A	1" Flange x 1" Male Camlock	9.25
M200A	2" Standard Port Flange x 2" Male Camlock	12.30
M220A	2" Full Port Flange x 2" Male Camlock	13.55
M300A	3" Flange x 3" Male Camlock	26.25

**Flange X Hose Barb**

PART	DESCRIPTION	PRICE (C)
M100075BRB	1" Flange x 3/4" Hose Barb	3.10
M100BRB	1" Flange x 1" Hose Barb	3.10
M100125BRB	1" Flange x 1 1/4" Hose Barb	3.10
M200100BRB	2" Flange x 1" Hose Barb	7.60
M200125BRB	2" Flange x 1 1/4" Hose Barb	7.85
M200150BRB	2" Flange x 1 1/2" Hose Barb	6.90
M200BRB	2" Flange x 2" Hose Barb	7.60
M220150BRB	2" Full Port Flange x 1 1/2" Hose Barb	7.60
M220BRB	2" Full Port Flange x 2" Hose Barb	6.90
M300220BRB	3" Flange x 2" Hose Barb	23.30
M300BRB	3" Flange x 3" Hose Barb	21.05

**Flange X Hose Barb With 90° Elbow**

PART	DESCRIPTION	PRICE (C)
M100075BRB90	1" Flange x 3/4" Barb 90°	3.75
M100BRB90	1" Flange x 1" Barb 90°	3.75
M100125BRB90	1" Flange x 1 1/4" Barb 90°	3.75
M200100BRB90	2" Flange x 1" Barb 90°	14.00
M200125BRB90	2" Flange x 1 1/4" Barb 90°	14.00
M200150BRB90	2" Flange x 1 1/2" Barb 90°	12.75
M200BRB90	2" Flange x 2" Barb 90°	14.00
M220150BRB90	2" Full Port Flange x 1 1/2" Barb 90°	14.00
M220BRB90	2" Full Port Flange x 2" Barb 90°	14.00
M300220BRB90	3" Flange x 2" Barb 90°	23.15
M300BRB90	3" Flange x 3" Barb 90°	56.25

**Flange X Male NPT Thread - 316 SS**

PART	DESCRIPTION	PRICE (C)
M100MPTSS	1" Flange x 1" MPT	40.30
M200125MPTSS	2" Standard Port Flange x 1 1/4" MPT	69.00
M200150MPTSS	2" Standard Port Flange x 1 1/2" MPT	63.25
M200MPTSS	2" Standard Port Flange x 2" MPT	87.90
M220150MPTSS	2" Full Port Flange x 1 1/2" MPT	91.80
M220MPTSS	2" Full Port Flange x 2" MPT	91.00
M300MPTSS	3" Flange x 3" MPT	157.70

**Flange X Socket Weld - 316 SS**

PART	DESCRIPTION	PRICE (C)
M100SWFSS	1" Flange x 1" Socket Weld	40.30
M200SWFSS	2" Std Port Flange x 2" Socket Weld	110.85
M220SWFSS	2" Full Port Flange x 2" Socket Weld	107.55
M300SWFSS	3" Flange x 3" Socket Weld	180.90

**Flange Clamps & Gaskets**

PART	DESCRIPTION	PRICE (C)
FC100	100 Series Worm Gear Clamp	12.15
FC200	200 Series Standard Port Worm Gear Clamp	14.15
FC220	220 Series Full Port Worm Gear Clamp	14.70
FC300	300 Series Worm Gear Clamp	20.10
M100G	1" Flange Gasket - EPDM	2.95
M100GV	1" Flange Gasket - Viton	8.65
150G	200 Series Standard Port Gasket - EPDM	1.45
150GV	200 Series Standard Port Gasket - Viton	16.05
200G	Order Part #: G2	1.45
200GV	220 Series Full Port Gasket - Viton	24.85
300G	Order Part #: G3	2.10
300GV	300 Series Gasket - Viton	34.10

**Flange Gaskets**

PART	DESCRIPTION	PRICE (C)
M101G	1" Flange Gasket EPDM W/RIB	2.50
M100GV	1" Flange Gasket VITON	8.65
M201G	2" Flange Gasket W/RIB	2.90
150GV	200 Series Gasket VITON	16.05
M221G	2" Flange Gasket 220 Series W/RIB	3.15
200GV	2" Flange Gasket 220 Series VITON	24.85
M301G	3" Flange Gasket W/RIB	3.40
300GV	3" Flange Gasket VITON	34.10

**U Bolts**

PART	DESCRIPTION	PRICE (C)
UB100	100 Series Mounting "U" Bolt SS	33.90
UB202	200 Series Mounting "U" Bolt SS	33.90
UB220	220 Series Mounting "U" Bolt SS	35.80





### Features:

- Glass Reinforced Polypropylene.
- Heavy duty (Schedule 80).
- Lightweight with excellent strength.
- NPT threads.
- Excellent chemical resistance.
- Pressure to 150 PSI at 70°F.

### Poly Nipples

PART	DESCRIPTION	PRICE (C)
NIP025-SH	Poly Nipple 1/4" Short	2.00
NIP038-SH	Poly Nipple 3/8" Short	2.00
NIP050-SH	Poly Nipple 1/2" Short	2.25
NIP050-3	Poly Nipple 1/2" x 3"	4.25
NIP075-SH	Poly Nipple 3/4" Short	1.95
NIP075-4	Poly Nipple 3/4" x 4"	4.45
NIP075-6	Poly Nipple 3/4" x 6"	5.20
NIP100-SH	Poly Nipple 1" Short	2.75
NIP100-4	Poly Nipple 1" x 4"	4.75
NIP100-6	Poly Nipple 1" x 6"	5.85
NIP125-SH	Poly Nipple 1 1/4" Short	3.30
NIP125-4	Poly Nipple 1 1/4" x 4"	5.85
NIP125-6	Poly Nipple 1 1/4" x 6"	6.65
NIP150-SH	Poly Nipple 1 1/2" Short	5.05
NIP150-3	Poly Nipple 1 1/2" x 3"	7.50
NIP150-4	Poly Nipple 1 1/2" x 4"	12.45
NIP150-5	Poly Nipple 1 1/2" x 5"	13.95
NIP150-6	Poly Nipple 1 1/2" x 6"	14.70
NIP200-SH	Poly Nipple 2" Short	5.75
NIP200-4	Poly Nipple 2" x 4"	12.10
NIP200-6	Poly Nipple 2" x 6"	14.10
NIP300-SH	Poly Nipple 3" Short	17.95
NIP300-4	Poly Nipple 3" x 4"	26.95
NIP300-6	Poly Nipple 3" x 6"	34.75
NIP400-SH	Poly Nipple 4" Short	33.50

Pipe Nipple

### Poly Reducing Nipples

PART	DESCRIPTION	PRICE (C)
RN050-038	Poly Reducer Nipple 1/2" x 3/8"	3.40
RN075-050	Poly Reducer Nipple 3/4" x 1/2"	3.60
RN100-050	Poly Reducer Nipple 1" x 1/2"	4.65
RN100-075	Poly Reducer Nipple 1" x 3/4"	4.25
RN125-075	Poly Reducer Nipple 1 1/4" x 3/4"	4.90
RN125-100	Poly Reducer Nipple 1 1/4" x 1"	4.45
RN150-100	Poly Reducer Nipple 1 1/2" x 1"	5.25
RN150-125	Poly Reducer Nipple 1 1/2" x 1 1/4"	4.75
RN200-125	Poly Reducer Nipple 2" x 1 1/4"	6.40
RN200-150	Poly Reducer Nipple 2" x 1 1/2"	5.20
RN300-200	Poly Reducer Nipple 3" x 2"	17.90
RN400-300	Poly Reducer Nipple 4" x 3"	26.95

Reducing Nipple



Pipe Coupling



Pipe Cap



Reducing Coupling



Pipe Plug

### Poly Pipe Couplings

PART	DESCRIPTION	PRICE (C)
CPLG025	Poly Threaded Pipe Coupler 1/4"	6.05
CPLG038	Poly Threaded Pipe Coupler 3/8"	6.75
CPLG050	Poly Threaded Pipe Coupler 1/2"	6.75
CPLG075	Poly Threaded Pipe Coupler 3/4"	6.75
CPLG100	Poly Threaded Pipe Coupler 1"	6.40
CPLG125	Poly Threaded Pipe Coupler 1 1/4"	10.40
CPLG150	Poly Threaded Pipe Coupler 1 1/2"	14.35
CPLG200	Poly Threaded Pipe Coupler 2"	16.40
CPLG300	Poly Threaded Pipe Coupler 3"	46.35

### Poly Pipe Caps

PART	DESCRIPTION	PRICE (C)
CAP025	Poly Threaded Cap 1/4"	3.40
CAP038	Poly Threaded Cap 3/8"	3.65
CAP050	Poly Threaded Cap 1/2"	9.10
CAP075	Poly Threaded Cap 3/4"	9.10
CAP100	Poly Threaded Cap 1"	7.60
CAP125	Poly Threaded Cap 1 1/4"	10.20
CAP150	Poly Threaded Cap 1 1/2"	12.85
CAP200	Poly Threaded Cap 2"	14.90
CAP300	Poly Threaded Cap 3"	53.25

### Poly Reducing Couplings

PART	DESCRIPTION	PRICE (C)
RC100-075	Poly Reducer Coupling 1" x 3/4"	10.00
RC150-100	Poly Reducer Coupling 1 1/2" x 1"	17.00
RC150-125	Poly Reducer Coupling 1 1/2" x 1 1/4"	17.00
RC200-050	Poly Reducer Coupling 2" x 1/2"	18.05
RC200-100	Poly Reducer Coupling 2" x 1"	15.05
RC200-125	Poly Reducer Coupling 2" x 1 1/4"	18.05
RC200-150	Poly Reducer Nipple 2" x 1 1/2"	15.05
RC300-200	Poly Reducer Nipple 3" x 2"	53.40

### Poly Pipe Plugs

PART	DESCRIPTION	PRICE (C)
PLUG025	Poly Pipe Plug 1/4"	4.70
PLUG038	Poly Pipe Plug 3/8"	4.70
PLUG050	Poly Pipe Plug 1/2"	4.75
PLUG075	Poly Pipe Plug 3/4"	4.75
PLUG100	Poly Pipe Plug 1"	4.75
PLUG125	Poly Pipe Plug 1 1/4"	6.20
PLUG150	Poly Pipe Plug 1 1/2"	6.20
PLUG200	Poly Pipe Plug 2"	6.25
PLUG300	Poly Pipe Plug 3"	29.45

## Banjo Pipe Fittings



Reducer Bushing

## Poly Reducing Bushing

PART	DESCRIPTION	PRICE (C)
RB038-025	Poly Reducer Bushing $\frac{3}{8}$ " x $\frac{1}{4}$ "	4.45
RB050-025	Poly Reducer Bushing $\frac{1}{2}$ " x $\frac{1}{4}$ "	3.70
RB050-038	Poly Reducer Bushing $\frac{1}{2}$ " x $\frac{3}{8}$ "	4.45
RB075-018	Poly Reducer Bushing $\frac{3}{4}$ " x $\frac{1}{8}$ "	4.55
RB075-025	Poly Reducer Bushing $\frac{3}{4}$ " x $\frac{1}{4}$ "	4.45
RB075-038	Poly Reducer Bushing $\frac{3}{4}$ " x $\frac{3}{8}$ "	4.45
RB075-050	Poly Reducer Bushing $\frac{3}{4}$ " x $\frac{1}{2}$ "	4.45
RB100-018	Poly Reducer Bushing 1" x $\frac{1}{8}$ "	3.80
RB100-025	Poly Reducer Bushing 1" x $\frac{1}{4}$ "	4.75
RB100-050	Poly Reducer Bushing 1" x $\frac{1}{2}$ "	4.75
RB100-075	Poly Reducer Bushing 1" x $\frac{3}{4}$ "	3.90
RB125-038	Poly Reducer Bushing 1 $\frac{1}{4}$ " x $\frac{3}{8}$ "	3.90
RB125-075	Poly Reducer Bushing 1 $\frac{1}{4}$ " x $\frac{3}{4}$ "	4.75
RB125-100	Poly Reducer Bushing 1 $\frac{1}{4}$ " x 1"	4.75
RB150-075	Poly Reducer Bushing 1 $\frac{1}{2}$ " x $\frac{3}{4}$ "	6.25
RB150-100	Poly Reducer Bushing 1 $\frac{1}{2}$ " x 1"	6.25
RB150-125	Poly Reducer Bushing 1 $\frac{1}{2}$ " x 1 $\frac{1}{4}$ "	6.25
RB200-075	Poly Reducer Bushing 2" x $\frac{3}{4}$ "	5.65
RB200-100	Poly Reducer Bushing 2" x 1"	5.65
RB200-125	Poly Reducer Bushing 2" x 1 $\frac{1}{4}$ "	6.80
RB200-150	Poly Reducer Bushing 2" x 1 $\frac{1}{2}$ "	5.65
RB300-150	Poly Reducer Bushing 3" x 1 $\frac{1}{2}$ "	28.15
RB300-200	Poly Reducer Bushing 3" x 2"	23.45
RB400-300	Poly Reducer Bushing 4" x 3"	43.60



Pipe Elbow 90°

## Poly Elbows 90°

PART	DESCRIPTION	PRICE (C)
EL025-90	Poly Pipe Elbow $\frac{1}{4}$ "	4.85
EL038-90	Poly Pipe Elbow $\frac{3}{8}$ "	6.55
EL050-90	Poly Pipe Elbow $\frac{1}{2}$ "	5.95
EL075-90	Poly Pipe Elbow $\frac{3}{4}$ "	5.35
EL100-90	Poly Pipe Elbow 1"	6.30
EL125-90	Poly Pipe Elbow 1 $\frac{1}{4}$ "	9.45
EL150-90	Poly Pipe Elbow 1 $\frac{1}{2}$ "	14.80
EL200-90	Poly Pipe Elbow 2"	14.65
EL300-90	Poly Pipe Elbow 3"	74.45



Street Elbow 90°

## Poly Street Elbows 90°

PART	DESCRIPTION	PRICE (C)
SL025-90	Poly Street Elbow $\frac{1}{4}$ "	4.85
SL038-90	Poly Street Elbow $\frac{3}{8}$ "	5.70
SL050-90	Poly Street Elbow $\frac{1}{2}$ "	5.20
SL075-90	Poly Street Elbow $\frac{3}{4}$ "	5.55
SL100-90	Poly Street Elbow 1"	6.55
SL125-90	Poly Street Elbow 1 $\frac{1}{4}$ "	9.00
SL150-90	Poly Street Elbow 1 $\frac{1}{2}$ "	12.70
SL200-90	Poly Street Elbow 2"	15.10
SL300-90	Poly Street Elbow 3"	76.75



Cross

## Poly Crosses

PART	DESCRIPTION	PRICE (C)
CR025	Poly Cross $\frac{1}{4}$ "	17.65
CR038	Poly Cross $\frac{3}{8}$ "	19.40
CR050	Poly Cross $\frac{1}{2}$ "	30.00
CR075	Poly Cross $\frac{3}{4}$ "	30.00
CR100	Poly Cross 1"	30.00
CR125	Poly Cross 1 $\frac{1}{4}$ "	44.75
CR150	Poly Cross 1 $\frac{1}{2}$ "	44.75
CR200	Poly Cross 2"	45.65



Street Elbow 45°

## Poly Street Elbows 45°

PART	DESCRIPTION	PRICE (C)
SL075-45	45 Degree Street Elbow $\frac{3}{4}$ "	10.65
SL100-45	45 Degree Street Elbow 1"	14.30
SL125-45	45 Degree Street Elbow 1 $\frac{1}{4}$ "	17.70
SL150-45	45 Degree Street Elbow 1 $\frac{1}{2}$ "	18.90
SL200-45	45 Degree Street Elbow 2"	20.35
SL300-45	45 Degree Street Elbow 3"	84.30



Pipe Tee

## Poly Pipe Tee

PART	DESCRIPTION	PRICE (C)
TEE025	Poly Threaded Tee $\frac{1}{4}$ "	6.35
TEE038	Poly Threaded Tee $\frac{3}{8}$ "	6.55
TEE050	Poly Threaded Tee $\frac{1}{2}$ "	5.75
TEE075	Poly Threaded Tee $\frac{3}{4}$ "	6.15
TEE100	Poly Threaded Tee 1"	8.85
TEE125	Poly Threaded Tee 1 $\frac{1}{4}$ "	12.25
TEE150	Poly Threaded Tee 1 $\frac{1}{2}$ "	14.65
TEE200	Poly Threaded Tee 2"	18.25
TEE300	Poly Threaded Tee 3"	86.85



Elbow 45°

## Poly Elbow 45°

PART	DESCRIPTION	PRICE (C)
EL100-45	45 Degree Poly Elbow 1"	20.35



Gauge not included

## Poly Pipe Gauge Tees

PART	DESCRIPTION	PRICE (C)
TEG075	$\frac{3}{4}$ " FNPT Gauge Tee ( $\frac{1}{4}$ " gauge port)	29.75
TEG100	1" FNPT Gauge Tee ( $\frac{1}{4}$ " gauge port)	29.75



## Poly Elbow 90°

PART	DESCRIPTION	PRICE (C)
HBEL100-90	1" HB X 1" HB Elbow	3.80



### Poly Straight Hose Barbs

PART	DESCRIPTION	PRICE (C)
HB025	Poly Straight Adapter 1/4" x 1/4"	1.90
HB025-038	Poly Straight Adapter 1/4" x 3/8"	1.90
HB025-050	Poly Straight Adapter 1/4" x 1/2"	2.30
HB038	Poly Straight Adapter 3/8" x 3/8"	2.05
HB038-050	Poly Straight Adapter 3/8" x 1/2"	2.05
HB050	Poly Straight Adapter 1/2" x 1/2"	1.70
HB050-038	Poly Straight Adapter 1/2" x 3/8"	2.05
HB050-075	Poly Straight Adapter 1/2" x 3/4"	2.30
HB075	Poly Straight Adapter 3/4" x 3/4"	1.90
HB075-038	Poly Straight Adapter 3/4" x 3/8"	2.30
HB075-050	Poly Straight Adapter 3/4" x 1/2"	2.30
HB075-058	Poly Straight Adapter 3/4" x 5/8"	2.75
HB075-100	Poly Straight Adapter 3/4" x 1"	2.75
HB100	Poly Straight Adapter 1" x 1"	2.35
HB100-075	Poly Straight Adapter 1" x 3/4"	2.75
HB100-125	Poly Straight Adapter 1" x 1 1/4"	3.40
HB125	Poly Straight Adapter 1 1/4" x 1 1/4"	3.40
HB125-075	Poly Straight Adapter 1 1/4" x 3/4"	2.85
HB125-100	Poly Straight Adapter 1 1/4" x 1"	3.40
HB125-150	Poly Straight Adapter 1 1/4" x 1 1/2"	6.50
HB150	Poly Straight Adapter 1 1/2" x 1 1/2"	4.75
HB150-100	Poly Straight Adapter 1 1/2" x 1"	5.10
HB150-125	Poly Straight Adapter 1 1/2" x 1 1/4"	5.10
HB150-200	Poly Straight Adapter 1 1/2" x 2"	8.75
HB200	Poly Straight Adapter 2" x 2"	5.80
HB200-150	Poly Straight Adapter 2" x 1 1/2"	7.30
HB300	Poly Straight Adapter 3" x 3"	18.65
HB400	Poly Straight Adapter 4" x 4"	46.85



### Female Hose Barb

PART	DESCRIPTION	PRICE (C)
HBFO75	Female Straight Adapter 3/4" x 3/4"	5.55
HBFO75-100	Female Straight Adapter 3/4" x 1"	4.65
HBFI00	Female Straight Adapter 1" x 1"	3.90



### Poly Hose Barb Tees

PART	DESCRIPTION	PRICE (C)
HBT050-038	Hose Barb Tee 1/2" x 1/2" x 3/8"	3.20
HBT050	Hose Barb Tee 1/2" x 1/2" x 1/2"	3.95
HBT050-075	Hose Barb Tee 1/2" x 1/2" x 3/4"	3.95
HBT075	Hose Barb Tee 3/4" x 3/4" x 3/4"	3.95
HBT075-050	Hose Barb Tee 3/4" x 3/4" x 1/2"	3.95
HBT075-100	Hose Barb Tee 3/4" x 3/4" x 1"	3.35
HBT100	Hose Barb Tee 1" x 1" x 1"	4.15
HBT100-075	Hose Barb Tee 1" x 1" x 3/4"	3.45



### Poly Hose Barb Threaded Tees

PART	DESCRIPTION	PRICE (C)
HBT100-100	Tee Adapter 1" NPT x 1" x 1" Hose	11.40
HBT150-100	Tee Adapter 1 1/2" NPT x 1" x 1" Hose	28.65
HBT150-150	Tee Adapter 1 1/2" NPT x 1 1/2" x 1 1/2" Hose	54.80



### Poly 90° Hose Barbs

PART	DESCRIPTION	PRICE (C)
HB025-90	Poly NPT x HB Elbow 1/4" x 1/4"	2.30
HB025-038-90	Poly NPT x HB Elbow 1/4" x 3/8"	2.30
HB025-050-90	Poly NPT x HB Elbow 1/4" x 1/2"	2.30
HB038-90	Poly NPT x HB Elbow 3/8" x 3/8"	2.30
HB050-038-90	Poly NPT x HB Elbow 1/2" x 3/8"	2.30
HB050-90	Poly NPT x HB Elbow 1/2" x 1/2"	2.30
HB050-075-90	Poly NPT x HB Elbow 1/2" x 3/4"	2.30
HB075-050-90	Poly NPT x HB Elbow 3/4" x 1/2"	2.85
HB075-90	Poly NPT x HB Elbow 3/4" x 3/4"	2.40
HB075-100-90	Poly NPT x HB Elbow 3/4" x 1"	2.85
HB100-125-90	Poly NPT x HB Elbow 1" x 1 1/4"	4.45
HB100-90	Poly NPT x HB Elbow 1" x 1"	3.05
HB100-075-90	Poly NPT x HB Elbow 1" x 3/4"	3.65
HB125-100-90	Poly NPT x HB Elbow 1 1/4" x 1"	4.45
HB125-150-90	Poly NPT x HB Elbow 1 1/4" x 1 1/2"	12.85
HB125-90	Poly NPT x HB Elbow 1 1/4" x 1 1/4"	4.45
HB150-125-90	Poly NPT x HB Elbow 1 1/2" x 1 1/4"	12.85
HB150-90	Poly NPT x HB Elbow 1 1/2" x 1 1/2"	10.70
HB200-150-90	Poly NPT x HB Elbow 2" x 1 1/2"	14.05
HB200-90	Poly NPT x HB Elbow 2" x 2"	11.70
HB300-90	Poly NPT x HB Elbow 3" x 3"	56.60



### Poly Hose Menders

PART	DESCRIPTION	PRICE (C)
HM025	Poly Hose Mender 1/4"	1.75
HM038	Poly Hose Mender 3/8"	2.10
HM050	Poly Hose Mender 1/2"	2.15
HM075	Poly Hose Mender 3/4"	2.35
HM100	Poly Hose Mender 1"	2.85
HM125	Poly Hose Mender 1 1/4"	3.20
HM150	Poly Hose Mender 1 1/2"	5.70
HM200	Poly Hose Mender 2"	7.15
HM300	Poly Hose Mender 3"	22.25



### 316 Stainless Steel Hose Barbs

PART	DESCRIPTION	PRICE (C)
HB025-038SS	SS Hose Barb 1/4" x 3/8"	21.40
HB025-050SS	SS Hose Barb 1/4" x 1/2"	23.55
HB025SS	SS Hose Barb 1/4" x 1/4"	4.30
HB038-050SS	SS Hose Barb 3/8" x 1/2"	24.05
HB038SS	SS Hose Barb 3/8" x 3/8"	21.40
HB050-058SS	SS Hose Barb 1/2" x 5/8"	31.30
HB050-075SS	SS Hose Barb 1/2" x 3/4"	33.00
HB050SS	SS Hose Barb 1/2" x 1/2"	26.80
HB075-050SS	SS Hose Barb 3/4" x 1/2"	31.30
HB075-100SS	SS Hose Barb 3/4" x 1"	43.75
HB075SS	SS Hose Barb 3/4" x 3/4"	31.30
HB100-075SS	SS Hose Barb 1" x 3/4"	43.75
HB100SS	SS Hose Barb 1" x 1"	43.75
HB125SS	SS Hose Barb 1 1/4" x 1 1/4"	65.55
HB150SS	SS Hose Barb 1 1/2" x 1 1/2"	67.90
HB200SS	SS Hose Barb 2" x 2"	80.25
HB300SS	SS Hose Barb 3" x 3"	210.30





### Mini Pipe Fittings

- Heavy duty glass reinforced polypropylene (Schedule 80)
- Lightweight with excellent strength
- Excellent chemical resistance
- 1/4" to 3/8" sizes available
- NPT Threads
- Pressure rated to 150 PSI @ 70°F



PART	DESCRIPTION	PRICE (C)
CAP025	1/4" FNPT Threaded Cap	3.40
CAP038	3/8" FNPT Thread Cap	3.65



PART	DESCRIPTION	PRICE (C)
CPLG025	1/4" FNPT Poly Coupling	6.05



PART	DESCRIPTION	PRICE (C)
CR025	1/4" FNPT Cross	17.65
CR038	3/8" FNPT Cross	19.40



PART	DESCRIPTION	PRICE (C)
EL025-90	1/4" Elbow FNPT x FNPT	4.85



PART	DESCRIPTION	PRICE (C)
HBT025	1/4" Hose Barb Tee	2.55
HBT038	3/8" Hose Barb Tee	2.55



PART	DESCRIPTION	PRICE (C)
HM025	1/4" Hose Mender	1.75
HM038	3/8" Hose Mender	2.10



PART	DESCRIPTION	PRICE (C)
PLUG025	1/4" Pipe Plug MNPT	4.70
PLUG038	3/8" Pipe Plug MNPT	4.70



PART	DESCRIPTION	PRICE (C)
SL025-90	1/4" NPT Street Elbow	4.85



PART	DESCRIPTION	PRICE (C)
TEE025	1/4" FNPT Poly Pipe Tee	6.35
TEE038	3/8" FNPT Poly Pipe Tee	6.55

### Poly Micro Valves

- Full Port design with 90° rotating handle
- Precision molded glass-filled poly for added strength
- Standard FKM (Viton-type) seats and O-rings
- Maximum operating pressure 300 PSI

Also available in John Guest® Push Lock connections. Please call for info.



PART	DESCRIPTION	PRICE (C)
LV025MTV	1/4" FNPT x 1/4" MNPT Valve	33.15
LV038MTV	3/8" FNPT x 3/8" MNPT Valve	33.15
LV050MTV	1/2" FNPT x 1/2" MNPT Valve	33.15
LV038050MTV	3/8" FNPT x 1/2" MNPT Valve	33.15
LV050100MTV	1/2" FNPT x 1" MNPT Valve	37.95



PART	DESCRIPTION	PRICE (C)
LV025V	1/4" FNPT x 1/4" FNPT Valve	33.15
LV038V	3/8" FNPT x 3/8" FNPT Valve	33.15
LV050V	1/2" FNPT x 1/2" FNPT Valve	33.15



PART	DESCRIPTION	PRICE (C)
LVHB025V	1/4" Hose Barb Valve	33.15
LVHB038V	3/8" Hose Barb Valve	33.15
LVHB050V	1/2" Hose Barb Valve	33.15
LVHB075V	3/4" Hose Barb Valve	33.15



PART	DESCRIPTION	PRICE (C)
LV050SLV	1/2" FNPT Side Load Valve	45.10



PART	DESCRIPTION	PRICE (C)
LVHB038050MTV	3/8" HB x 1/2" MNPT Valve	33.15
LVHB075MTV	3/4" HB x 3/4" MNPT Valve	33.15
LVHB075100MTV	3/4" HB x 1" MNPT Valve	37.95



### Barrel Hardware Clamps

- Perfect for tight, hard to reach places
- Minimizes protruding parts by tightening together versus tightening away from
- Deep socket tools not required
- 300 Stainless Steel construction

PART	DESCRIPTION	PRICE (C)
BC090	3/4" Barrel Clamp – .91" to .98"	17.45
BC114	1" Barrel Clamp – 1.14" to 1.22"	17.65



### Nipples

PART	SIZE	PRICE (C)
M1800	1/8	.90
M1400	1/4	1.00
M3800	3/8	1.05
M3814	3/8 x 1/4	.95
M1200	1/2	1.05
M1214	1/2 x 1/4	1.00
M1238	1/2 x 3/8	1.00
M3400	3/4	1.20
M3438	3/4 x 3/8	1.00
M3412	3/4 x 1/2	1.05
M1000	1	1.75
M1140	1 1/4	3.00
M114100	1 1/4 x 1	3.05
M1120	1 1/2	3.95
M2000	2	5.70
M2000-6	2 x 6	11.75
M3000	3	14.95
M3000-6	3 x 6	25.30
M4000	4	24.10



### Couplers

PART	SIZE	PRICE (C)
FC1200	1/2	4.10
FC3400	3/4	4.80
FC1000	1	5.45
FC1140	1 1/4	7.65
FC1120	1 1/2	9.15
FC2000	2	13.50
#03PP	1/2" FPT x FGH	3.10



### Male Thread X HB X HB Tees

PART	SIZE	PRICE (C)
MT1012	1" x 1/2" x 1/2"	2.55
MT1034	1" x 3/4" x 3/4"	2.70
MT1038	1" x 3/8" x 3/8"	2.45
MT1234	1/2" x 3/4" x 3/4"	2.45
MT3412	3/4" x 1/2" x 1/2"	2.40
MT3412G	GH x 1/2" x 1/2"	2.40
MT3434	3/4" x 3/4" x 3/4"	2.55
MT3434G	GH x 3/4" x 3/4"	2.55
MT3438	3/4" x 3/8" x 3/8"	2.30
MT3438G	GH x 3/8" x 3/8"	2.30

NOTE: "G" in part number denotes garden hose thread.



### Threaded Tees

PART	SIZE	PRICE (C)
TT14	1/4	5.25
TT12	1/2	5.40
TT34	3/4	6.70
TT100	1	8.80
TT114	1 1/4	11.15
TT112	1 1/2	13.75
TT200	2	18.15
TT300	3	69.80



### Gauge Tees

PART	SIZE	PRICE (C)
TT12G18	1/2 x 1/8 Gauge	9.10
TT12G14	1/2 x 1/4 Gauge	9.10
TT34G18	3/4 x 1/8 Gauge	11.90
TT34G14	3/4 x 1/4 Gauge	11.90



### Street Elbows

PART	SIZE	PRICE (C)
SE14	1/4	4.30
SE12	1/2	4.45
SE34	3/4	5.05
SE100	1	6.50
SE114	1 1/4	8.95
SE112	1 1/2	10.95
SE200	2	11.65
SE300	3	61.45



### 90° Elbows

PART	SIZE	PRICE (C)
LL1212	1/2	4.15
LL3434	3/4	4.65
LL100	1	6.30
LL114	1 1/4	8.60
LL112	1 1/2	10.85
LL200	2	14.60
LL300	3	61.45



### 45° Street Elbows

PART	SIZE	PRICE (C)
SE34-45	3/4	6.95
SE100-45	1	10.15
SE114-45	1 1/4	12.60
SE112-45	1 1/2	13.75
SE200-45	2	15.90



### Pipe Plugs

PART	SIZE	PRICE (C)
F1800	1/8	.90
F1400	1/4	.90
F3800	3/8	.95
F1200	1/2	.95
F3400	3/4	1.00
F1000	1	1.05
F1140	1 1/4	1.65
F1120	1 1/2	4.25
F2000	2	6.20



### Reducer Bushings

PART	SIZE	PRICE (C)
RB3818	3/8 x 1/8	1.40
RB3814	3/8 x 1/4	1.35
RB1214	1/2 x 1/4	1.40
RB1238	1/2 x 3/8	1.40
RB3418	3/4 x 1/8	1.50
RB3414	3/4 x 1/4	1.80
RB3438	3/4 x 3/8	1.75
RB3412	3/4 x 1/2	1.50
RB1012	1 x 1/2	2.30
RB1034	1 x 3/4	1.60
RB11434	1 1/4 x 3/4	3.05
RB114100	1 1/4 x 1	2.95
RB11234	1 1/2 x 3/4	3.25
RB112100	1 1/2 x 1	3.20
RB112114	1 1/2 x 1 1/4	3.75
RB200100	2 x 1	5.45
RB200114	2 x 1 1/4	4.15
RB200112	2 x 1 1/2	3.75
RB300200-GL	3 x 2	9.30



### Swivel Nuts

- Use with Hose Barbs & Vinyl Washer

PART	DESCRIPTION	PRICE (C)
HCNUTGH	GH	1.00
HCNUTNPS	NPS	1.00



### Caps

- Requires Vinyl Washer

PART	DESCRIPTION	PRICE (C)
CAPGH	GH	1.05
CAPNPS	NPS	1.05



### Hose Barbs

- Use with Swivel Nut (HCNUTGH) and Vinyl Washer

PART	SIZE	PRICE (C)
HB1800P	1/8	.95
HB1400P	1/4	.95
HB3800P	3/8	.95
HB1200P	1/2	.95
HB5800P	5/8	.95
HB3400P	3/4	.95



### 90° Adapters

PART	SIZE	PRICE (C)
ELMH38	3/8	1.30
ELMH12	1/2	1.25
ELMH58	5/8	1.40
ELMH34	3/4	1.50
ELMH10	1	1.50



### Male GH Couplers

PART	SIZE	PRICE (C)
HC14MPP	1/4 Hose	1.05
HC38MPP	3/8 Hose	1.05
HC12MPP	1/2 Hose	1.10
HC58MPP	5/8 Hose	1.10
HC34MPP	3/4 Hose	1.10



### NPT (M) x GH(M) Adapters

PART	SIZE	PRICE (C)
#05PP	3/4 x 3/8	2.10
#11PP	3/4 x 1/2	1.10
#12PP	3/4 x 3/4	1.30
#13APP	GH x GH	1.40



### Female GH Couplers

- Includes Washer, insert & Nut

PART	SIZE	PRICE (C)
HC14FPP	1/4 Hose	2.20
HC38FPP	3/8 Hose	2.20
HC12FPP	1/2 Hose	2.20
HC58FPP	5/8 Hose	2.20
HC34FPP	3/4 Hose	2.20



### GH(M) x NPT(F) Adapters

PART	SIZE	PRICE (C)
#08PP	3/4 x 1/2	3.10
#10PP	3/4 x 3/4	3.05



### Rubber Hose Washers

PART	DESCRIPTION	PRICE (C)
O1RW	10 Pack	1.45



### NPT(M) x GH(F) Adapters

PART	SIZE	PRICE (C)
#09PP	3/4 x 3/4	3.05



### Hose Adapters

- Male NPT thread x hose insert.

PART	SIZE	PRICE (C)
MB1814	1/8 X 1/4	.95
MB1812	1/8 X 1/2	.95
MB1838	1/8 X 3/8	.95
MB1414	1/4 X 1/4	.90
MB1438	1/4 X 3/8	.95
MB1412	1/4 X 1/2	.95
MB1458	1/4 X 5/8	1.75
MB1434	1/4 X 3/4	1.80
MB3814	3/8 X 1/4	.95
MB3838	3/8 X 3/8	.95
MB3812	3/8 X 1/2	.95
MB3858	3/8 X 5/8	.95
MB3834	3/8 X 3/4	1.05
MB1214	1/2 X 1/4	1.00
MB1238	1/2 X 3/8	1.00
MB1212	1/2 X 1/2	.95
MB1258	1/2 X 5/8	1.00
MB1234	1/2 X 3/4	1.05
MB1210	1/2 X 1	1.35
MB3414	3/4 X 1/4	1.20
MB3438	3/4 X 3/8	1.05
MB3412	3/4 X 1/2	1.05
MB3458	3/4 X 5/8	1.40
MB3434	3/4 X 3/4	1.00
MB3410	3/4 X 1	1.20
MB34114	3/4 X 1 1/4	2.55
MB1038	1 X 1/4	1.25
MB1012	1 X 1/2	1.20
MB1058	1 X 5/8	1.20
MB1034	1 X 3/4	1.25
MB1010	1 X 1	1.35
MB10114	1 X 1 1/4	3.00
MB11434	1 1/4 X 3/4	3.90
MB114100	1 1/4 X 1	3.15
MB114114	1 1/4 X 1 1/4	3.05
MB114112	1 1/4 X 1 1/2	3.20
MB112114	1 1/2 X 1 1/4	3.35
MB112112	1 1/2 X 1 1/2	3.30
MB112200	1 1/2 X 2	10.35
MB200112	2 X 1 1/2	8.50
MB200	2	4.15
MB300	3	18.55
MB400	4	31.60



### Female Adapters

- Female NPT thread x hose.

PART	SIZE	PRICE (C)
EL1212F	1/8 X 1/4	1.60
EL3412F	1/8 X 3/8	1.85
EL3434F	3/4 X 3/4	2.25



### Hose Adapters 90°

- Male NPT thread x hose insert.

PART	SIZE	PRICE (C)
EL1814	1/8 X 1/4	.95
EL1838	1/8 X 3/8	.95
EL1414	1/4 X 1/4	.90
EL1438	1/4 X 3/8	.95
EL1412	1/4 X 1/2	1.00
EL1458	1/4 X 5/8	1.20
EL3814	3/8 X 1/4	1.00
EL3838	3/8 X 3/8	1.05
EL3812	3/8 X 1/2	1.05
EL1214	1/2 X 1/4	2.25
EL1238	1/2 X 3/8	1.10
EL1212	1/2 X 1/2	1.15
EL1258	1/2 X 5/8	1.40
EL1234	1/2 X 3/4	1.50
EL1210	1/2 X 1	2.15
EL3438	3/4 X 3/8	1.30
EL3412	3/4 X 1/2	1.35
EL3458	3/4 X 5/8	1.40
EL3434	3/4 X 3/4	1.50
EL3410	3/4 X 1	1.60
EL1012	1 X 1/2	1.50
EL1034	1 X 3/4	1.70
EL1010	1 X 1	1.85
EL11434	1 1/4 X 3/4	4.00
EL114100	1 1/4 X 1	3.30
EL114	1 1/4 X 1 1/4	3.45
EL114112	1 1/4 X 1 1/2	8.20
EL112	1 1/2 X 1 1/2	4.30
EL200	2 X 2	5.70



### Straight Adapters

- Female NPT x insert.

PART	SIZE	PRICE (C)
FB1212	1/2 X 1/2	1.80
FB3434	3/4 X 3/4	1.85
FB3458	3/4 X 5/8	1.85



### Insert Elbows

- Insert x insert.

PART	SIZE	PRICE (C)
IEL1414	1/4 X 1/4	1.95
IEL3838	3/8 X 3/8	1.40
IEL1212	1/2 X 1/2	1.00
IEL5858	5/8 X 5/8	1.60
IEL3434	3/4 X 3/4	1.40
IEL1000	1x1 Nylon	3.60
IEL114114	1 1/4 X 1 1/4	5.45
IEL112112	1 1/2 X 1 1/2	5.45
IEL200200	2x2	10.10



### Insert Tees

- Insert (1) x insert (2) x insert (3).

PART	(1)	(2)	(3)	PRICE (C)
T18	1/8	1/8	1/8	1.75
T14	1/4	1/4	1/4	1.75
T38	3/8	3/8	3/8	1.75
T3812	3/8	1/2	1/2	2.15
T12	1/2	1/2	1/2	1.80
T1238NY	1/2	3/8	3/8	1.05
T58	5/8	5/8	5/8	1.90
T34	3/4	3/4	3/4	1.90
T3412	3/4	1/2	1/2	1.90
T100	1	1	1	2.95
T114	1 1/4	1 1/4	1 1/4	4.30
T112	1 1/2	1 1/2	1 1/2	5.15
T200	2	2	2	11.70



### Hose Menders

- Insert x insert.

PART	SIZE	PRICE (C)
SHM1800	1/8	.90
SHM1400	1/4	.90
SHM3800	3/8	.90
SHM3814	3/8 X 1/4	1.30
SHM1200	1/2	.95
SHM1214	1/2 X 1/4	1.00
SHM1238	1/2 X 3/8	.95
SHM1258	1/2 X 5/8	1.00
SHM5800	5/8	1.00
SHM3400	3/4	1.10
SHM1000	1	1.35
SHM1140	1 1/4	2.60
SHM1120	1 1/2	4.45
SHM2000	2	9.15



### Insert Crosses

- 1/4 X 1/4 X 1/4 X 1/4.

PART	SIZE	PRICE (C)
X14	1/4	1.50



### Straight Nozzle Fittings

- 1/16 x insert.
- Complete with lock nut.

PART	SIZE	PRICE (C)
NTS38	3/8	1.50
NTS12	1/2	1.55



### Nozzle Tees

- 1/16 nozzle thread x insert.
- Complete with lock nut.

PART	DESCRIPTION	PRICE (C)
NTT38	3/8	2.10
NTT12	1/2	2.15
NTT34	3/4	2.60
Locknut	Locknut for NTT/NTL	.75



### Nozzle Elbows

- 1/16 nozzle thread x insert.
- Complete with lock nut.

PART	SIZE	PRICE (C)
NTL38	3/8	1.95
NTL12	1/2	2.05
NTL34	3/4	2.10



### Nozzle Crosses

- 1/16 nozzle thread x insert.
- Complete with lock nut.

PART	SIZE	PRICE (C)
T38C	3/8	2.20
T12C	1/2	2.25



### TRU-BLU Thread Sealant

- Vibration-resistant for use on plastic and all metal pipe threads.
- Very fast dry and flexible.
- Temperature use range from -7° to 60°C.
- Contains PTFE (Teflon®).
- 24 per case.

PART	DESCRIPTION	PRICE (C)
TRUBLU1.75	Thread Sealant 1.75 oz. tube	7.10
TRUBLU4	Thread Sealant 4 oz.	18.50
TRUBLU8	Thread Sealant 8 oz.	24.40



# Galvanized/Stainless Steel Fittings

**HOW TO ORDER:** For Stainless Steel - Insert "SS" in front of part number (i.e. SSTT100) or for Galvanized - Insert "G" in front of part number (i.e. GTT100).  
**PRODUCT CATEGORIES:** Stainless Steel Fittings – (F) Galvanized Steel Fittings – (E)

## Reducer Bushings

PART	SIZE	SS	GALV
*RB1418	1/4" x 1/8"	.80	3.25
*RB3818	3/8" x 1/8"	1.30	3.25
*RB3814	3/8" x 1/4"	1.05	3.25
*RB1218	1/2" x 1/8"	2.30	2.35
*RB1214	1/2" x 1/4"	1.95	3.10
*RB1238	1/2" x 3/8"	1.65	3.10
*RB3418	3/4" x 1/8"	3.45	2.70
*RB3414	3/4" x 1/4"	3.40	2.70
*RB3438	3/4" x 3/8"	3.25	2.70
*RB3412	3/4" x 1/2"	2.95	2.70
*RB1038	1" x 3/8"	5.55	3.25
*RB1012	1" x 1/2"	5.25	3.25
*RB1034	1" x 3/4"	4.60	3.25
*RB11434	1 1/4" x 3/4"	8.50	5.60
*RB114100	1 1/4" x 1"	7.35	5.60
*RB11234	1 1/2" x 3/4"	11.85	7.40
*RB112100	1 1/2" x 1"	11.20	7.40
*RB112114	1 1/2" x 1 1/4"	8.35	7.40
*RB20034	2" x 3/4"	19.35	8.00
*RB200100	2" x 1"	19.95	8.00
*RB200114	2" x 1 1/4"	18.00	8.00
*RB200112	2" x 1 1/2"	15.45	8.00
*RB212200	2 1/2" x 2"	43.10	12.40
*RB300200	3" x 2"	62.15	18.00
*RB400200	4" x 2"	109.05	33.20
*RB400300	4" x 3"	106.65	33.20

## Cap

PART	SIZE	SS	GALV
*CAP18	1/8"	.30	2.55
*CAP14	1/4"	.75	2.55
*CAP38	3/8"	1.10	2.55
*CAP12	1/2"	2.05	1.55
*CAP34	3/4"	2.80	1.85
*CAP100	1"	4.60	2.55
*CAP114	1 1/4"	7.20	3.55
*CAP112	1 1/2"	10.05	5.50
*CAP200	2"	15.00	7.40
*CAP300	3"	79.70	22.15
*CAP400	4"	140.00	35.25

## Plug

PART	SIZE	SS	GALV
*F1800	1/8"	-	1.85
*F1400	1/4"	.60	1.85
*F3800	3/8"	.80	1.85
*F1200	1/2"	2.05	1.70
*F3400	3/4"	3.05	2.40
*F1000	1"	4.10	1.85
*F1140	1 1/4"	7.60	3.25
*F1120	1 1/2"	8.70	3.70
*F2000	2"	12.65	5.60
*F3000	3"	43.40	17.40

## Reducer Tee

PART	SIZE	SS	GALV
*RT3412	3/4" x 3/4" x 1/2"	-	8.15
*RT1034	1" x 1" x 3/4"	-	12.40
*RT11434	1 1/4" x 1 1/4" x 3/4"	-	16.55
*RT114100	1 1/4" x 1 1/4" x 1"	-	17.25

## Tee

PART	SIZE	SS	GALV
*TT18	1/8"	1.60	3.85
*TT14	1/4"	2.80	3.85
*TT38	3/8"	4.10	3.85
*TT12	1/2"	5.55	2.40
*TT34	3/4"	7.05	3.25
*TT100	1"	11.55	6.05
*TT114	1 1/4"	18.95	9.00
*TT112	1 1/2"	25.55	11.35
*TT200	2"	38.00	16.70
*TT300	3"	134.70	74.30
*TT400	4"	232.80	143.55

## 90° Elbow

PART	SIZE	SS	GALV
*LL1818	1/8"	1.10	3.10
*LL1414	1/4"	1.90	3.10
*LL3838	3/8"	2.90	3.10
*LL1212	1/2"	3.80	1.85
*LL3434	3/4"	5.90	2.55
*LL100	1"	8.70	4.15
*LL114	1 1/4"	13.85	6.65
*LL112	1 1/2"	18.65	8.55
*LL200	2"	26.90	12.55
*LL300	3"	96.40	39.50
*LL400	4"	206.55	71.20

## Street Elbows

PART	SIZE	SS	GALV
*SE18	1/8"	1.10	3.70
*SE14	1/4"	1.75	3.70
*SE38	3/8"	2.65	3.70
*SE12	1/2"	4.25	2.25
*SE34	3/4"	6.25	3.25
*SE100	1"	10.05	5.50
*SE114	1 1/4"	15.95	9.00
*SE112	1 1/2"	21.00	11.10
*SE200	2"	34.25	16.40
*SE300	3"	111.45	62.80
*SE400	4"	200.40	88.00

## Cross

PART	SIZE	SS	GALV
*CR18	1/8"	8.25	8.90
*CR14	1/4"	2.65	8.90
*CR38	3/8"	3.95	8.90
*CR12	1/2"	11.20	8.90
*CR34	3/4"	10.40	12.40
*CR100	1"	16.65	16.85
*CR114	1 1/4"	23.45	24.80
*CR112	1 1/2"	32.05	33.70
*CR200	2"	48.40	46.05
*CR300	3"	-	110.10

## 45° Elbow

PART	SIZE	SS	GALV
*LL1818-45	1/8"	3.70	-
*LL1414-45	1/4"	1.40	3.85
*LL3838-45	3/8"	2.10	3.85
*LL1212-45	1/2"	3.60	2.95
*LL3434-45	3/4"	5.30	4.30
*LL100-45	1"	9.05	5.50
*LL114-45	1 1/4"	14.40	10.20
*LL112-45	1 1/2"	18.60	10.95
*LL200-45	2"	26.25	16.55
*LL300-45	3"	-	68.85

## Union

PART	SIZE	SS	GALV
*U1800	1/8"	-	-
*U1400	1/4"	-	13.75
*U3800	3/8"	-	13.75
*U1200	1/2"	11.75	9.15
*U3400	3/4"	14.15	11.50
*U1000	1"	22.80	13.60
*U1140	1 1/4"	33.05	18.15
*U1120	1 1/2"	37.10	23.90
*U2000	2"	52.95	36.00
*U3000	3"	-	110.25

## Female Coupling

PART	SIZE	SS	GALV
*FC1800	1/8"	.90	2.30
*FC1400	1/4"	1.10	2.30
*FC3800	3/8"	2.20	2.30
*FC1200	1/2"	3.25	1.70
*FC3400	3/4"	4.45	2.00
*FC1000	1"	6.85	3.55
*FC1140	1 1/4"	12.25	5.50
*FC1120	1 1/2"	13.65	6.20
*FC2000	2"	20.45	9.45
*FC3000	3"	75.95	27.15
*FC4000	4"	128.75	63.55

## Reducer Elbow

PART	SIZE	SS	GALV
*LL3412	3/4" x 1/2"	-	3.85
*LL1012	1" x 1/2"	-	5.60
*LL1034	1" x 3/4"	-	5.60
*LL114100	1 1/4" x 1"	-	9.00


## Reducer Coupling

PART	SIZE	SS	GALV
*FC1418	1/4" x 1/8"	1.45	3.55
*FC3814	3/8" x 1/4"	2.10	3.55
*FC1238	1/2" x 3/8"	2.65	2.80
*FC3414	3/4" x 1/4"	4.10	2.95
*FC3438	3/4" x 3/8"	-	2.95
*FC3412	3/4" x 1/2"	3.75	2.95
*FC10012	1" x 1/2"	5.60	3.85
*FC10034	1" x 3/4"	5.90	3.85
*FC11434	1 1/4" x 3/4"	9.35	5.75
*FC114100	1 1/4" x 1"	10.75	5.75
*FC11234	1 1/2" x 3/4"	11.85	6.50
*FC112100	1 1/2" x 1"	11.25	6.50
*FC112114	1 1/2" x 1 1/4"	-	6.50
*FC200100	2" x 1"	16.70	10.05
*FC200112	2" x 1 1/2"	17.85	10.05
*FC300200	3" x 2"	96.45	29.05
*FC300212	3" x 2 1/2"	-	29.05
*FC400300	4" x 3"	165.50	53.95

## Galvanized/Stainless Steel &amp; Tube Fittings

**HOW TO ORDER:** For Stainless Steel - Insert "SS" in front of part number (i.e. SSTT100) or for Galvanized - Insert "G" in front of part number (i.e. GTT100).  
**PRODUCT CATEGORIES:** Stainless Steel Fittings – (F) Galvanized Steel Fittings – (E)

## Nipples




PART	SIZE	SS	GALV
*M1800	1/8" close	2.70	3.20
*M1800-2	1/8" x 2"	3.35	3.90
*M1800-3	1/8" x 3"	3.85	4.80
*M1800-4	1/8" x 4"	4.35	5.55
*M1800-5	1/8" x 5"	4.95	6.10
*M1800-6	1/8" x 6"	5.50	6.65
*M1400	1/4" close	2.10	2.85
*M1400-2	1/4" x 2"	2.75	3.20
*M1400-3	1/4" x 3"	3.40	4.15
*M1400-4	1/4" x 4"	4.05	4.65
*M1400-5	1/4" x 5"	4.65	6.20
*M1400-6	1/4" x 6"	5.35	6.40
*M3800	3/8" close	2.60	2.90
*M3800-2	3/8" x 2"	3.40	3.30
*M3800-3	3/8" x 3"	4.30	4.00

*M3800-4	3/8" x 4"	5.10	4.80
*M3800-412	3/8" x 4 1/2"	5.50	5.55
*M3800-5	3/8" x 5"	5.95	6.20
*M3800-512	3/8" x 5 1/2"	6.35	6.45
*M3800-6	3/8" x 6"	6.75	6.75
*M1200	1/2" close	3.25	2.10
*M1200-2	1/2" x 2"	4.20	2.40
*M1200-3	1/2" x 3"	5.30	2.70
*M1200-4	1/2" x 4"	6.30	3.40
*M1200-5	1/2" x 5"	7.50	3.85
*M1200-6	1/2" x 6"	8.60	4.30
*M3400	3/4" close	4.20	2.55
*M3400-2	3/4" x 2"	5.15	2.45
*M3400-212	3/4" x 2 1/2"	5.85	2.75
*M3400-3	3/4" x 3"	6.50	3.05
*M3400-4	3/4" x 4"	8.05	3.75

*M3400-5	3/4" x 5"	9.45	4.35
*M3400-6	3/4" x 6"	11.00	5.35
*M1000	1" close	5.65	3.55
*M1000-2	1" x 2"	6.65	3.85
*M1000-3	1" x 3"	8.75	4.60
*M1000-4	1" x 4"	10.85	5.50
*M1000-415	1" x 4 1/2"	11.80	5.65
*M1000-5	1" x 5"	12.95	6.50
*M1000-6	1" x 6"	15.15	6.75
*M1000-8	1" x 8"	19.50	12.50
*M1000-10	1" x 10"	24.05	14.80
*M1140	1 1/4" close	7.45	4.60
*M1140-2	1 1/4" x 2"	8.55	5.05
*M1140-3	1 1/4" x 3"	11.35	5.60
*M1140-4	1 1/4" x 4"	14.15	7.10
*M1140-5	1 1/4" x 5"	16.95	8.15


*M1140-6	1 1/4" x 6"	20.00	9.00
*M1120	1 1/2" close	9.20	5.50
*M1120-2	1 1/2" x 2"	10.00	5.75
*M1120-3	1 1/2" x 3"	13.35	7.10
*M1120-4	1 1/2" x 4"	16.75	8.40
*M1120-5	1 1/2" x 5"	20.15	-
*M1120-6	1 1/2" x 6"	23.75	10.80
*M2000	2" close	12.85	7.25
*M2000-3	2" x 3"	17.35	8.30
*M2000-4	2" x 4"	21.95	10.80
*M2000-5	2" x 5"	26.40	11.75
*M2000-6	2" x 6"	31.30	13.35
*M2120	2 1/2" close	26.05	25.85
*M3000	3" close	35.85	32.30
*M4000	4" close	52.95	45.50

## Adapter




PART	DESCRIPTION	PRICE (G)
366-4B	1/4" FNPT x 1/4" Tube	2.20
366-6B	1/4" FNPT x 3/8" Tube	2.65
366-6C	3/8" FNPT x 3/8" Tube	2.75

## Male Adapter




PART	DESCRIPTION	PRICE (G)
368-4A	1/8" MNPT x 1/4" Tube	1.55
368-4B	1/4" MNPT x 1/4" Tube	1.75
368-6B	1/4" MNPT x 3/8" Tube	2.10
368-4C	3/8" MNPT x 1/4" Tube	1.80
368-6C	3/8" MNPT x 3/8" Tube	2.30

## Elbow




PART	DESCRIPTION	PRICE (G)
365-4	1/8" Tube x 1/4" Tube	3.15
365-6	3/8" FNPT x 3/8" Tube	4.35
365-8	1/2" FNPT x 1/2" Tube	5.40

## Tee




PART	DESCRIPTION	PRICE (G)
364-4	1/4" Tube 3-Way Tee	4.00
364-6	3/8" Tube 3-Way Tee	5.50
364-8	1/2" Tube 3-Way Tee	6.60

## Union




PART	DESCRIPTION	PRICE (G)
362-4	1/4" Tube x 1/4" Tube	2.30
362-6	3/8" Tube x 3/8" Tube	3.25
362-8	1/2" Tube x 1/2" Tube	4.30

## Female Elbow




PART	DESCRIPTION	PRICE (G)
370-6B	1/4" FNPT x 3/8" Tube	3.85
370-6C	3/8" FNPT x 3/8" Tube	4.40
370-8D	1/2" FNPT x 1/2" Tube	5.95

## Center Tee




PART	DESCRIPTION	PRICE (G)
372-4B	1/4" MNPT x 1/4" Tube	4.00
372-6B	1/4" MNPT x 3/8" Tube	4.70

## Male Elbow



PART	DESCRIPTION	PRICE (G)
369-4A	1/8" MNPT x 1/4" Tube	2.45
369-4B	1/4" MNPT x 1/4" Tube	2.50
369-6B	1/4" MNPT x 3/8" Tube	3.10
369-4C	3/8" MNPT x 1/4" Tube	2.95
369-6C	3/8" MNPT x 3/8" Tube	3.20
369-8C	3/8" MNPT x 1/2" Tube	3.70
369-8D	1/2" MNPT x 1/2" Tube	3.75

## End Tee



PART	DESCRIPTION	PRICE (G)
371-4B	1/4" MNPT x 1/4" Tube	4.00

More sizes available. Please call.

# Tanks, Fittings and Accessories



## Mix and Fill Tank

PART	DESCRIPTION	PRICE (I)
160LR	16 Imp. gal - 20"L x 20" dia., 8" Lid, 1 1/4" Fittings	CALL
161LR	26 Imp. gal - 30"L x 24" dia., 8" Lid, 1 1/4" Fittings	CALL

**PLEASE NOTE: Due to fluctuating resin costs, Poly tank prices may be subject to change. Please call our office to confirm current price and availability.**



Anti-Vortex



Bulkhead

## Bulkhead Fitting

PART	DESCRIPTION	HOLE	PRICE (B)
AC5861	Bulkhead Fitting 3/4"	1 5/8"	14.85
AC5871	Bulkhead Fitting 1"	1 1/16"	15.35
ANTIV-1	Anti Vortex Fitting 1"	1 1/16"	39.55
AC5881	Bulkhead Fitting 1 1/4"	2 1/2"	14.10
ANTIV-1.25	Anti Vortex Fitting 1 1/4"	2 1/2"	43.35
AC5891	Bulkhead Fitting 1 1/2"	2 1/2"	25.10
ANTIV-1.50	Anti Vortex Fitting 1 1/2"	2 1/2"	48.75
AC5901	Bulkhead Fitting 2"	3 1/8"	30.10
ANTIV-2	Anti Vortex Fitting 2"	3 1/8"	57.95

Note: Use with AC48\*\* 90° Fittings



## 90° Elbow

PART	SIZE	PRICE (B)
AC4821	1 1/4" X 1	9.75
AC4881	2 x 1 1/4"	32.90

## 180° Straight

PART	SIZE	PRICE (B)
AC4822	1 x 1	5.90



## Greenleaf Tank Fittings

PART	SIZE	DESCRIPTION	PRICE (C)
TF 1/2	1/2"	1/2" FPT-Drill 1 1/2" Hole	8.60
TF 3/4	3/4"	3/4" FPT-Drill 1 1/2" Hole	8.35
TF 1	1"	1" FPT-Drill 2 1/4" Hole	10.85
TF 1 1/4	1 1/4"	1 1/4" FPT-Drill 2 1/8" Hole	12.65
TF 1 1/2	1 1/2"	1 1/2" FPT-Drill 3" Hole	19.05
TF 2	2"	2" FPT-Drill 3" Hole	13.35
TF 3	3"	3" FPT-Drill 4 1/2" Hole	59.45
TF 4	4"	4" FPT-Drill 6" Hole	154.55



## Stainless Steel Tank Fittings

PART	DESCRIPTION	HOLE SIZE	PRICE (C)
TF 3/4-SS	3/4" Double Thread L/Gasket	1 3/4"	108.55
TF 1-SS	1" Double Thread L/Gasket	1 5/8"	112.75
TF 1 1/2-SS-DBL	1 1/2" SS Double Thread L/Gasket	2 1/4"	160.80
TF 2-SS-DBL	2" Double Thread L/Gasket	2 3/4"	196.30
TF 3-SS-DBL	3" SS Double Thread L/Gasket	4 1/8"	388.40
<b>Cross-Linked Gaskets For Tank Fittings</b>			
62950	Fits TF 3/4-SS & TF 1-SS		5.90
63042	Fits TF 1 1/2-SS-DBL		8.65
<b>Not Shown</b>			
TF4-SS-DBL	4" SS DBBL Thread L/Gasket	5 1/4"	668.00



## Tank Lids

PART	DESCRIPTION	PRICE (E)
LID-8	8" LID w/Vent & Ring Collar	34.20
LID-8-L	8" LID Only w/Vent	25.15
LID-12	12" LID w/Vent & Ring Collar	60.30
LID-12-L	12" LID Only w/Vent	36.50
LID-12-R	12" Ring Collar	21.75
LID-15	15" LID w/Vent & Ring Collar	60.30
LID-15-L	15" LID Only w/Vent	41.95
LID-15-R	15" Ring Collar	24.50
LID-VENT	Vent for 12", 15" & 21"	11.35



## Tank Strainer

PART	DESCRIPTION	PRICE (C)
AC645	8" Basket Strainer	43.70
AC646	12" Basket Strainer	72.75
AC649	15" Basket Strainer	60.55



## 2" Webbing

PART	DESCRIPTION	PRICE (E)
Web	2" Tank Strap Per Ft.	1.60
Web-Roll	2" Tank Strap 50 Metre Roll	202.50



## Strap Holder

PART	DESCRIPTION	PRICE (C)
Bracket	Tank Strap Bracket 7/16" Hole	7.90



**PLEASE CONTACT OUR OFFICE FOR CURRENT POLY TANK PRICES AND AVAILABILITY**  
 Pricing is subject to change due to fluctuating resin costs and other market influences.



#### Horizontal Transport Tanks

PART	DESCRIPTION
112LR	100 Imp. Gallon (455 L) – 45" L x 29" Diameter, 8" Lid, 1 1/4" Fittings
126LR	175 Imp. Gallon (795 L) – 51" L x 38" Diameter, 8" Lid, 2" Fittings
135LR	325 Imp. Gallon (1475 L) – 78" L x 42" Diameter, 16" Lid, 2" Fittings
140LR	500 Imp. Gallon (2275 L) – 83" L x 48" Diameter, 16" Lid, 2" Fittings
145LR	750 Imp. Gallon (3410 L) – 101" L x 54" Diameter, 16" Lid, 2" Fittings
150LR	1000 Imp. Gallon (4546 L) – 102" L x 65" Diameter, 16" Lid, 2" Fittings



#### Vertical Storage Tanks

PART	DESCRIPTION
171LR	915 Imp. Gallon (4154 L) – 53" H x 86" Diameter, 16" Lid, 3" Fittings
177LR	1250 Imp. Gallon (5675 L) – 70" H x 86" Diameter, 16" Lid, 3" Fittings



#### Applicator Tanks

PART	DESCRIPTION
102LR	10 Imp. Gallon (45 L) – 19" L x 16" Diameter, 5" Lid
103LR	25 Imp. Gallon (114 L) – 18" L x 23" Diameter, 5" Lid
105LR	50 Imp. Gallon (227 L) – 37" L x 23" Diameter, 5" Lid



#### WorkHorse Spot Sprayer Tank w/ Lid

- Features mounting holes on top of the tank for electric spray pump and on side for spray gun brackets (sold separately).

PART	DESCRIPTION
WH-600132	25 US Gallon (95 L) Tank with 6" Lid
WH-600151	Spray Gun Bracket (sold in units, 2 required)



#### Truck Tanks

PART	DESCRIPTION
162LR	250 Imp. Gallon (1136 L) – 30" H x 64" Diameter, 8" Lid, 2" Fittings
165LR	100 Imp. Gallon (455 L) – 45" H x 64" Diameter, 8" Lid, 2" Fittings



### Homestead 3-PT. Sprayers

#### Features:

- Category I or II Hitch configuration available
- Sprayers come complete with Hypro Cast Series Roller Pump
- TeeJet manual 17Y Selector Valve for boom control standard on all models. Optional electric boom control upgrade is available
- 4 Point stand for ease of storage when not in use
- 1 Year Sprayer Warranty

#### 1. Select Your Sprayer – PLEASE SPECIFY 540 or 1000 RPM

PART	DESCRIPTION	PRICE (I)
HOMESTEAD	50 US Gallon 3-PT. Sprayer	CALL
HOMESTEAD-HD110	110 US Gallon 3-PT. Heavy Duty Sprayer	CALL
HOMESTEAD-HD150	150 US Gallon 3-PT. Heavy Duty Sprayer	CALL

#### 2. Select Your Optional Equipment

Homestead sprayer options give you the flexibility to customize your sprayer the way you need it. Five boom sizes (12' & 18' for 55 gallon sprayer) and 20', 30', & 45' for the 110 and 150 US gallon HD models or go boomless with your choice of either Hypro XT Series or Boominator™ spray nozzles.

PART	DESCRIPTION	PRICE (I)
BOOM12	Boom – 12 Foot Spray Pattern (20" spacing)	CALL
BOOM18	Boom – 18 Foot Spray Pattern (20" spacing)	CALL
BOOM20	Boom – 20 Foot Spray Pattern (20" spacing)	CALL
BOOM30	Boom – 30 Foot Spray Pattern (20" spacing)	CALL
BOOM45	Boom – 45 Foot Spray Pattern (20" spacing)	CALL
BOOMLESSHYPRO	Boomless kit w/ Hypro XT (Stainless) Nozzles	CALL
BOOMLESSBOOM	Boomless kit w/ Boominator™ Nozzles	CALL
ATVHR-H	Hose Reel, 30' Hose, Spray Wand, & Bracket	CALL
HOMESTEAD-EC	Electric Boom Control Upgrade	CALL



### Homestead ATV Skid Mount Sprayers

Choose from two tank sizes (50 & 100 US Gallon) with either a Honda-driven Ace pump or a 12 V electric pump. Units as listed below do not include the boom, but you can order either the 12' or 18' wide standard boom or the boomless spray tip booms as indicated in the Homestead 3-PT sprayer above.

- 4 HP Honda engine with Ace Centrifugal pump (57 PSI max / 22 GPM max) or Delavan 12 Volt Electric pump (100 PSI max / 7 GPM).
- High quality plumbing parts from TeeJet and Banjo used.
- All units built standard with Manual controls (TeeJet Shut-off & regulating valves) and Hose Reel with Spray Wand with 30' of hose.
- The **ATV100EC** comes with TeeJet 744E Controller and a 3 bank of 430 Series valves.

PART	DESCRIPTION	PRICE (I)
ATV50	50 Gallon ATV Sprayer – 4 HP Honda / Ace Pump – NO BOOM	CALL
ATV100	100 Gallon ATV Sprayer – 4 HP Honda / Ace Pump – NO BOOM	CALL
ATV100EC	100 Gallon ATV Sprayer – 4 HP Honda / Ace Pump – NO BOOM	CALL
ATV100E	100 Gallon ATV Sprayer – 12V Electric Pump – NO BOOM	CALL



#### Chapin Pro XP Series Tank Sprayers

- Available in 1, 2, and 3 Gallon tank sizes for the lawn / landscaping professional.
- Viton Seals and Gaskets for use with a wide range of fertilizers and chemicals.
- Cushion grip shut-off with internal filter and lock-on trigger feature.
- SureSpray® in-tank anti-clog filter blocks debris from hose, trigger, and spray tip.
- Pressure relief valve built into translucent poly non-corrosive spray tank.

PART	DESCRIPTION	PRICE
26011XP	1 Gallon Pro XP Series Tank Sprayer	<b>56.45 (G)</b>
26021XP	2 Gallon Pro XP Series Tank Sprayer	<b>60.70 (G)</b>
26031XP	3 Gallon Pro XP Series Tank Sprayer	<b>76.90 (G)</b>
Chapin Pro XP Series Tank Sprayer Parts		
301631-1	Replacement Pump – Pro Series Sprayer	<b>40.95 (F)</b>
6-8130	Hose Assembly – Pro Series Sprayer	<b>25.40 (F)</b>
6-8219	20" Poly Wand (no nozzle) – Pro Series Sprayer	<b>37.20 (F)</b>
6-8131	Nozzle Assembly – Pro Series Sprayer	<b>19.85 (F)</b>
6-8138	Replacement Trigger for Pro Series Sprayer	<b>22.20 (F)</b>
6-4601	Seal and Gasket Kit – Pro Series Sprayer	<b>29.20 (F)</b>
6-4605	Pressure Relief Valve – Pro Series Sprayer	<b>18.35 (F)</b>
3-2694-11	Outlet Tube – Pro Series Sprayer	<b>4.75 (F)</b>



#### Chapin Industrial Series Sprayer

- 3-Gallon poly tank with wide mouth opening for easy filling and cleaning.
- Viton seals and gaskets designed for industrial and concrete applications.
- Compatible with most industrial chemicals.
- 18-Inch brass wand, nozzle, and shut-off with lock-on feature.
- Pressure relief valve; anti-clog filter.

PART	DESCRIPTION	PRICE(G)
22790XP	3-Gallon Sprayer	<b>147.85</b>



#### Chapin Lawn and Garden Sprayer

- 1-Gallon translucent tank with funnel top for easy filling and cleaning.
- Compatible with common fertilizers, weed killers, and pesticides.
- 12-Inch wand, 34-inch hose, adjustable nozzle, and comfortable spray handle.
- In-tank filter reduces clogging.

PART	DESCRIPTION	PRICE(G)
20000	1-Gallon Sprayer	<b>22.35</b>



#### SureSpray™ Series Tank Sprayers

- Available in 1, 2, and 3 Gallon tank sizes
- Multi-purpose sprayer designed for pesticides, fertilizers, and general cleaning
- Nitrile seals
- Translucent non-corrosive and durable spray tank
- Ergonomic pump handle and funnel top for ease of filling

PART	DESCRIPTION	PRICE
20010	1 Gallon SureSpray™ Series Tank Sprayer	<b>31.95 (G)</b>
20020	2 Gallon SureSpray™ Series Tank Sprayer	<b>42.65 (G)</b>
20030	3 Gallon SureSpray™ Series Tank Sprayer	<b>53.45 (G)</b>
Chapin SureSpray™ Series Tank Sprayer Parts		
6-7749	18" Poly Wand Extension (nozzle not included)	<b>14.05 (F)</b>
6-2001	Hose Assembly	<b>17.10 (F)</b>
6-2000	Replacement Trigger Assembly	<b>13.40 (F)</b>
6-6003	Poly Adjustable Nozzle	<b>7.85 (F)</b>
301128	Replacement Pump Assembly	<b>16.60 (F)</b>
6-1925	Seal and Gasket Set	<b>20.90 (F)</b>



Wand not included

#### Chapin 80° Spot Spray Shield Kit

- Fits most Chapin brand backpack and tank sprayers.
- Threads onto wand.
- Reduces spray drift damage on non-target plants.
- Cone shield, 80° spray tip, and body included in kit.

PART	DESCRIPTION	PRICE(G)
6-7773	Spray Shield Kit	<b>31.15</b>



#### Chapin 48 oz. Hand Sprayer

- 48 US oz poly non-corrosive tank
- Viton seals
- Adjustable cone spray nozzle
- SureSpray™ Anti-clog filter

PART	DESCRIPTION	PRICE(G)
1046	48 oz. Hand Sprayer	<b>31.15</b>



#### 32 oz. Upside Down Sprayer

- Sprays in any position – even upside.
- Adjustable spray nozzle – fine mist to solid stream.

PART	DESCRIPTION	PRICE(G)
1105	Upside Down Sprayer	<b>6.40</b>





#### Chapin 63800 Wide Mouth Pro Series Piston Pump Backpack Sprayer

- 4 US gallon true capacity tank w/ extra large 6" easy-fill diameter opening.
- Viton™ Seals and Gaskets for chemical spraying.
- Strainer/filter basket helps keep debris out of tank.
- Cushion grip spray handle reduces hand fatigue.
- Adjustable padded shoulder and waist straps for the perfect fit and comfort.
- Pumping handle can be set for left or right hand use.
- Brass, poly fan, and poly cone nozzles included.
- 20" Poly spray wand extension.

PART	DESCRIPTION	PRICE (F)
63800	Wide Mouth Pro Series 4-Gallon Piston Pump Backpack Sprayer	155.25



#### Chapin 64800 Pro Series Diaphragm Pump Backpack Sprayer

- Diaphragm-style pump mechanism for spraying wettable powders.
- 4 US gallon true capacity with large 4" diameter opening for easy filling.
- Strainer/filter basket helps keep debris out of spray tank.
- Cushion grip spray handle reduces hand fatigue.
- Adjustable padded shoulder and waist straps for the perfect fit and comfort.
- Pumping handle can be oriented for either left or right hand use.
- Brass, poly fan, and poly cone nozzles included.
- Viton™ Seals and Gaskets for chemical spraying.

PART	DESCRIPTION	PRICE (F)
64800	Pro Series 4-Gallon Diaphragm Pump Backpack Sprayer	147.60



#### Chapin 63900 Commercial Duty Dual Displacement Pro Backpack Sprayer

- Dual displacement piston and diaphragm pump technology provides increased pressure (120+ PSI) and eliminates piston leaking.
- Self-cleaning JetClean design minimizes clogging.
- 4 US gallon true capacity.
- 6" Extra large diameter opening with strainer basket for easy, debris-free filling.
- Comfort trigger handle w/ serviceable filter.
- Viton™ Seals for chemical spraying.
- Comfortable back pad/double padded shoulder straps.
- Swing away left or right reversible pump handle.
- Brass, poly fan, and poly cone nozzles included.

PART	DESCRIPTION	PRICE (F)
63900	4-Gallon Professional Dual Displacement Backpack Sprayer	196.45



#### Chapin 24V Rechargeable Battery Powered Electric Backpack Sprayer

- 4 US Gallon poly solution tank.
- Powered by 24V Lithium Ion rechargeable Battery. (Base included.)
- One charge sprays up to two hours continuous (58 US gallons).
- Weighs 39% less than competitive units (9.8 lbs vs. 16 lbs).
- Sprays at 35 - 40 PSI.
- Equipped with Viton® seals and gaskets for chemical spraying.
- 6" Wide Mouth™ cap with strainer for easy, debris-free filling.
- Built-in carrying handle makes cap removal easy and carrying the unit a breeze.
- Uses the same 63800 Pro Series tank assembly, filters, and shut-off.
- Adjustable brass, poly fan, and poly cone nozzles included.

PART	DESCRIPTION	PRICE (F)
63924	Chapin 24V Backpack Sprayer w/ charger & battery	323.50
6-8238	24V Lithium Ion Rechargeable Battery (2.0Ah) and Charger Base Combo for 63924 Backpack Sprayer	79.40

#### Genuine Chapin Backpack Sprayer Parts, Repair Kits, and Accessories

PART	DESCRIPTION	PRICE (F)
6-8224	Piston Diaphragm Pump Assembly – 63900	89.00
6-8225	Piston Collar Assembly – 63900	26.70
6-8180	Piston Pump Repair Seal Kit – 63800	31.45
6-8120B	Repair Kit for 6-8138 Trigger Assembly – All Chapin models	13.00
6-8138	Trigger Assembly – All Chapin models	22.20
6-8219	20" Poly Spray Wand Assembly – 63800, 64800, 63924	37.20
6-8122	Brass Adjustable Nozzle – All Chapin models	13.55
6-8148	Nozzle Elbow Assembly – All Chapin models	7.35
6-8105	48" Hose Assembly – All Chapin models	20.90
6-8146	4" Filter Basket with Cap – 64800	18.80

PART	DESCRIPTION	PRICE (F)
6-8146-1	6" Filter Basket with Cap – 63800, 63900, 63924	33.20
6-8183	Complete Diaphragm Pump Assembly – 64800	69.70
6-8179	Piston/Cup/Linkage Assembly – 63800	47.95
6-8178	Cylinder Assembly – 63800	21.60
6-8151	Relief Valve – All Chapin models	17.65
6-8137	Carry Strap – 63800, 64800, 63924	25.50
6-8152	Wand Clip – 63800, 64800, 63924	2.05
6-7780	2 Nozzle Poly Boom – All Chapin models	41.90
6-7781	3 Nozzle Poly Boom – All Chapin models	51.40
6-7773	Spot Spraying Cone Shield w/ Nozzle – All Chapin models	31.15



#### WorkHorse 25 Gallon Deluxe ATV Boomless Sprayer

- 25 US gallon poly tank with large fill mouth.
- Quick-detach 2-Nozzle spray boom with check valves and strainers.
- 12-Volt demand pump; 4.0 GPM – 45 PSI maximum pressure.
- 24 Foot total spray coverage.
- Shut-off valves to spray right or left side independently.
- Boom adjustable to 3 different heights.
- Deluxe pistol grip w/ 15' of hose and adjustable spray tip.
- Pressure gauge (adjustable pressure from 0 to 60 PSI).
- 8-Foot wiring harness with battery clips and switch.
- ATV mounting straps included.
- 2 Year Manufacturer's warranty from date of manufacture.

PART	DESCRIPTION	PRICE (H)
WH-ATV25BL	25 Gallon ATV Boomless Sprayer	593.55



Folds up for storage or transportation.

Shown mounted to WorkHorse Spot Sprayer - Sprayer not included.

#### Deluxe 7 Nozzle ATV Boom Kit

- Attaches / detaches to the WorkHorse Spot Sprayer using a Quick Mount system to convert unit for use on an ATV.
- 7-Nozzle fold-out boom w/ flat fan style spray tips, check valves, and strainers.
- Provides up to 140 inch total spray coverage.
- Spring loaded boom arms fold easily for storage or travel between spray sites.
- 2 Year Manufacturer's warranty from date of manufacture.

PART	DESCRIPTION	PRICE (H)
WH-ATV007BK	7 Nozzle ATV Boom Kit	209.95



#### Deluxe 2 Nozzle ATV Boom Kit

- Attaches / detaches to the WorkHorse Spot Sprayer using a Quick Mount system to convert unit for use on an ATV.
- 2-Nozzle boom w/ check valves and strainers provides up to 80 inch total spray coverage.
- 2 Year Manufacturer's warranty from date of manufacture.

PART	DESCRIPTION	PRICE (H)
WH-ATV002BK	2 Nozzle ATV Boom Kit	99.95



#### WorkHorse 25 Gallon Deluxe Tow Behind Sprayer

- 25 US gallon poly tank with large fill mouth.
- 2-Nozzle break-away style boom with 80 inch spray coverage.
- 12-Volt demand pump; 2.0 GPM – 60 PSI maximum pressure.
- Deluxe pistol grip w/ 15' of hose and adjustable spray tip.
- Pressure gauge (adjustable pressure from 0 to 60 PSI).
- 8-Foot wiring harness with battery clips and switch.
- 4.10/3.50 x 6 Pneumatic tires.
- Heavy duty corrosion resistant frame.
- 2 Year Manufacturer's warranty from date of manufacture.

PART	DESCRIPTION	PRICE (H)
WH-LG25DTS	25 Gallon Tow Behind Sprayer	496.05



#### WorkHorse 25 Gallon Deluxe Spot Sprayer

- 25 US gallon poly tank with large fill mouth.
- Boom Ready – Add either the 2 nozzle or deluxe 7 nozzle boom kit.
- 12-Volt Demand pump; 2.0 GPM – 60 PSI maximum pressure.
- Deluxe pistol grip w/ 15' of hose and adjustable spray tip.
- Pressure gauge (adjustable pressure from 0 to 60 PSI).
- 8-Foot wiring harness with battery clips and switch.
- In-line Shut-off for quick On/OFF spraying.
- 2 Year Manufacturer's warranty from date of manufacture.

PART	DESCRIPTION	PRICE (H)
WH-LG25DSS	25 Gallon Spot Sprayer	317.95

#### WorkHorse Sprayer Parts and Accessories

- Need a part from your WorkHorse Sprayer? We can help!

PART	DESCRIPTION	PRICE
WH-101CA	Optional 12-Volt Car Power Adapter Kit	17.75(E)
WH-600117	In-line Strainer w/ Check Valve	4.20(H)
WH-600122	Y-Valve w/ Shut-Offs – FGH x MGH x MGH threads	8.25(H)
WH-600133	Spray Tank Lid – all models	12.95(H)
WH-600151	Spray Wand Clip	3.75(H)
WH-600156	Spray Wand & 15' Hose Assembly – complete	61.80(H)
WH-600185	Elbow Fitting – 3/8" Hose Barb x Quick Disconnect (QD)	2.75(H)
WH-600248	Boomless Spray Nozzle – left side	56.55(H)
WH-600249	Boomless Spray Nozzle – right side	56.55(H)
WH-600211	Quick Disconnect (QD) Fitting – 2.0 GPM pump only	8.85(H)
WH-600212	Quick Disconnect (QD) Fitting – 4.0 GPM pump only	8.85(H)
WH-600216	In-line Shut-Off Valve – FGH x MGH thread	6.95(H)
WH-600223	Elbow Fitting – 3/8" hose barb x QD (4.0 GPM pump only)	3.95(H)
WH-640451	2.2 GPM 12-Volt Remco Pump	160.15(H)
WH-630031	5.0 GPM 12-Volt Remco Pump	284.05(H)
WH-600132	WorkHorse 25 US Gallon Tank w/ 6" Lid	131.85(H)



#### WorkHorse 40 & 60 Gallon Deluxe Tow Behind Sprayers

- 40 US gallon model features 2.2 GPM / 60 PSI max. Remco 12-Volt demand pump, 3-Section 5-nozzle boom w/ 110° fan spray tips; covers approx. 100".
- 60 US gallon model features 5.0 GPM / 60 PSI max. Remco 12-Volt demand pump, 3-Section 7-nozzle boom w/ 110° fan spray tips; covers approx. 140".
- Adjustable pressure range (0 to 60 PSI) – pressure gauge included.
- Deluxe pistol grip spray gun w/ 25' of hose and adjustable brass tip.
- 8-Foot wiring harness w/ battery clips and ON/OFF switch; commercial fuse.
- H.D. corrosion resistant frame; poly tank includes drain and 5" tethered lid.

PART	DESCRIPTION	PRICE (H)
WH-LG425DTS	40 Gallon Tow Sprayer w/ 5-nozzle boom	983.85
WH-LG657DTS	60 Gallon Tow Sprayer w/ 7-nozzle boom	1129.90



WH-BK007HM Boom Shown  
(also sold separately)

#### WorkHorse 40 or 60 Gallon Hitch Mount Skid Sprayer

- 40 or 60 Gallon poly tank with drain and large fill mouth; 5" tethered lid.
- Deluxe pistol spray grip with 25' of hose and adjustable brass tip.
- 12-Volt Remco Demand Pump: 2.2 GPM - 60 PSI maximum pressure.
- Adjustable pressure range (0 to 60 PSI); pressure gauge included.
- 8' Wiring harness with battery clips, ON/OFF switch with commercial-grade fuse.
- 40-Gallon model includes a 5-Nozzle heavy-duty folding boom (100" coverage) with exclusive hitch mount design featuring 300 degrees of adjustability; fits standard 2" hitch receiver.
- 60-Gallon model, same as above except with 7-Nozzle boom (140" coverage).

PART	DESCRIPTION	PRICE (H)
WH-UTV425HM	40 Gallon Hitch Mount Skid Sprayer	868.10
WH-UTV627HM	60 Gallon Hitch Mount Skid Sprayer	983.85



#### WorkHorse 60 Gallon Boomless 3-Point Sprayer

- 60 US gallon poly tank with drain and 5" tethered lid.
- 2-Nozzle boomless tip quick detach spray boom – 24' total spray coverage.
- Shut-off valves to spray left or right independently.
- 12-Volt demand Remco pump: 5.0 GPM – 60 PSI maximum pressure.
- Adjustable pressure range (0 to 60 PSI) – pressure gauge included.
- Deluxe pistol grip spray gun w/ 25' of hose and adjustable brass tip.
- 8-Foot wiring harness w/ battery clips and ON/OFF switch; commercial fuse.

PART	DESCRIPTION	PRICE (H)
WH-LG65BL3PT	40 Gallon Boomless 3-Point Sprayer w/ spray gun	651.60



#### WorkHorse 40 Gallon 3-Point Sprayer

- 40 US gallon poly tank with drain and large fill mouth – 5 inch tethered lid.
- 5-Nozzle boom with standard 110° flat fan spray tips – 100" total spray coverage.
- Deluxe pistol grip spray gun w/ 25' of hose and adjustable brass tip.
- 12-Volt demand Remco pump: 2.2 GPM – 60 PSI maximum pressure.
- Adjustable pressure range (0 to 60 PSI) – pressure gauge included.
- 8-Foot wiring harness w/ battery clips and ON/OFF switch; commercial grade fuse.

PART	DESCRIPTION	PRICE (H)
WH-LG4253PT	40 Gallon 3-Point 5-Nozzle Sprayer w/ spray gun	985.65



#### WorkHorse 60 Gallon Boomless Hitch Mount Sprayer

- 60 US gallon poly tank with drain and 5" tethered lid.
- 2-Nozzle boomless tip quick detach spray boom – 24' total spray coverage.
- Shut-off valves to spray left or right independently.
- 12-Volt demand Remco pump: 5.0 GPM – 60 PSI maximum pressure.
- Adjustable pressure range (0 to 60 PSI) – pressure gauge included.
- Deluxe pistol grip spray gun w/ 25' of hose and adjustable brass tip.
- 8-Foot wiring harness w/ battery clips and ON/OFF switch; commercial fuse.

PART	DESCRIPTION	PRICE (H)
WH-UTV65BLHM	60 USG Boomless Hitch Mount Sprayer w/ spray gun	1014.15



#### WorkHorse 60 Gallon 3-Point Sprayer

- 60 US gallon poly tank with drain and large fill mouth – 5 inch tethered lid.
- 3-Section 7 nozzle boom with 110° fan spray tips covers approximately 140 inches.
- 12-Volt demand Remco pump: 2.2 GPM – 60 PSI maximum pressure.
- Adjustable pressure range (0 to 60 PSI).
- Deluxe pistol grip spray gun w/ 25' of hose and adjustable brass tip.
- 8-Foot wiring harness w/ battery clips and ON/OFF switch; commercial grade fuse.

PART	DESCRIPTION	PRICE (H)
WH-LG6573PT	60 Gallon 3-Point 7-Nozzle Sprayer w/ spray gun	1102.35



## Sprayers and No-Drift Applicators



### Chapin 24-Volt Battery Powered Push Sprayer

The Chapin 12-gallon 24V Push Sprayer is the measure of versatility. The boom arm can quickly be positioned on the left or the right to accommodate any job. The 12" pneumatic tires make it easy to navigate uneven terrain, while the 12 US gallon tank capacity allows for large area coverage. Large tank lid makes filling easy. Switch from boom spraying to spot spraying using the wand with the flip of a switch.

- 12 US Gallon capacity poly tank with large lid opening for easy filling and cleaning.
- Left to right position-able boom with flat fan spray tip.
- Pump operates at 40 PSI with a 0.4 – 0.5 GPM Spray/Flow Rate.
- Powered by a 24V rechargeable Lithium Ion battery w/ 1.75 hour approx. run time.
- 20-inch Poly Spray wand with 48" hose.
- Viton seals for chemical use.
- Powder-coated steel frame.

PART	DESCRIPTION	PRICE(I)
97900	24V Battery Powered Push Sprayer w/ Spray Wand	490.80



Comes Fully Assembled

### WorkHorse 5 Gallon Rechargeable Spot Sprayer

- 5 US Gallon (18.9L) Corrosion Resistant Polyethylene Tank
- 1.0 GPM Demand Pump powered by 12V Rechargeable battery
- Up to 40 Gallons of spraying on one battery charge
- Up to 12 foot vertical and 25 foot horizontal spray distance capacity
- Complete with Commercial Grade Wiring Harness, 9' Coil Hose, and AC Charger

PART	DESCRIPTION	PRICE(I)
WH-LG05SS	5 Gallon Rechargeable Spot Sprayer	199.95



### Wick Applicator

- A handy applicator for applying selective and non-selective herbicides in areas where overspray and drift are a concern.
- Variable flow rate and manual gravity flow shut-off.

PART	DESCRIPTION	PRICE(H)
WICK	Wick Spot Applicator	39.95



WR48

WR36

### Dandy-Lion Killer No Drift Applicators

This gravity fed applicator features the "Tru-Kleen" tank that ensures the solution in the tank completely empties. The no-drift design allows you to get as close to non-target areas on established turf without fear of overspray or drift. Too windy to spray? Not an issue with these applicators! The manifold tube distributes the solution evenly across the roller ensuring good coverage. Stocked in 2 sizes with repair parts available.

- WR36: 3-gallon push-type with adjustable handle; 36" wide roller.
- WR48: 12-gallon pull-type with adjustable hitch; 48" wide roller.
- WR72: 25-gallon pull-type; 72" wide roller – SPECIAL ORDER ONLY.

PART	DESCRIPTION	PRICE(I)
WR36	3-gallon 36" roller push-type no-drift applicator	553.45
WR48	12-gallon 48" roller tow-type no-drift applicator	794.75
WR72	25-gallon 72" roller tow type no-drift applicator	1099.45



### Space Saver 200 US Gallon Compact Sprayer

- Fits sideways into a standard short or long box pick-up truck bed leaving room for tools, equipment or product with hose reel positioned for curb-side applications.
- Low profile tank design offers 200 US Gallon capacity with the safety of rear-view mirror visibility.
- Tank includes return from pump for agitation and drain hose with ball valve.
- Hypro D403 Diaphragm pump powered by a reliable Honda GX160 engine.
- Adjustable pressure regulator with liquid-filled vibration resistant pressure gauge.
- Includes 300' of 600 PSI hose on a 12-Volt Electric Hose Reel with ON/OFF push button switch, solenoid, and circuit breaker.
- Iron-ready fittings and TeeJet Lawn spray gun with quick coupler fittings included.
- Optional Fiesta™ spray guns with quick coupler fittings also available.
- Powder-coated frame; sprayer footprint is only 66" x 49".

PART	DESCRIPTION	PRICE
SPACESAVER	Space Saver Truck Mount Sprayer – 200 USG	CALL
FIESTAJET-QC	Fiesta™ Ready Fan Spray Gun w/ QC fitting.	CALL
FIESTASPOT-QC	Fiesta™ Ready Spot Spray Gun w/ QC fitting.	CALL

**Banjo Flow Meter Features:**

- Displays overall total volume and batch total volume!
- Flow rate allows for Gallons or Litres Per Minute.
- The display reads 6 digits for Rate, 8 digits for Total, and 1 decimal reading in tenths.
- Magnetic style meter with Stainless Steel Electrodes.
- Self calibrating meter.
- Measures water and most conductive liquids.
- Operates on six (6) easy-to-change AA batteries.
- Reliable - No moving parts to fail during operation.
- Durable - Glass-reinforced polypropylene
- Temperature range from 0° F to 150° F (-17° C to 65° C).
- **NOTE: It is recommended to have at least 24 inches of straight pipe before and after the flow meter to ensure desired performance.**

**FM100 1" Full Port Female NPT Flow Meter**

- Accuracy is 99% from 2 to 110 GPM.

PART	DESCRIPTION	PRICE (F)
FM100	1" Full Port FNPT x FNPT Flow Meter	1625.15

**MFM100 1" Full Port Manifold Flow Meter**

- Accuracy is 99% from 2 to 110 GPM.

PART	DESCRIPTION	PRICE (F)
MFM100	1" Full Port Manifold x Manifold Flow Meter	1625.15

**MFM220 2" Full Port Manifold Flow Meter**

- Accuracy is 99% from 6 to 300 GPM.

PART	DESCRIPTION	PRICE (F)
MFM220	2" Full Port Manifold x Manifold Flow Meter	1846.55

**MFM300 3" Full Port Manifold Flow Meter**

- Accuracy is 99% from 14 to 670 GPM.

PART	DESCRIPTION	PRICE (F)
MFM300	3" Full Port Manifold x Manifold Flow Meter	2317.50

**435 Series Chemtraveller Diaphragm Pump – 12V or 115V**

- 12 VDC ¼ HP (20 amps) or 115VAC ¼ HP (2 amps).
- Reciprocating spring-driven dual diaphragm design (positive displacement / (self-priming)).
- Glass-filled polypropylene pump.
- Polypropylene, Santoprene®, and stainless steel internal wetted parts.
- Cast metal, spray-coated motor.
- Handles viscosities from 1 cps. to 3,000 cps.
- Flow rate: 13 GPM (1.5 cps. fluid); 11 GPM (350 cps. fluid).
- Particulate tolerance up to 1/10" diameter.
- 1" Female NPT Inlet / Outlet.
- 15 PSI Maximum outlet pressure.
- 9" dry vacuum (pump may run dry without damage).
- Maximum shear (agitation) of pump fluids.
- 14" x 8 ¾" x 4 5/8"; 15.5 pounds (7.03 kilograms)
- Inlet strainer required, must be ordered separately.
- 5-Year Warranty on Pump; 1-year Warranty on Meter

PART	DESCRIPTION	PRICE (F)
435	12 Volt Chemtraveller Less Meter	1698.70
465-713	115 Volt Chemtraveller – less Meter	1946.95

**850 Series Meter**

- Air sensing Digital Flow Meter with 1" FNPT ports.
- Air sensing feature stops misreads caused by foam or air in lines.
- Flow Range: 2 – 20 US GPM; Maximum Pressure: 120 PSI.
- Accurate to +/- 0.2%.
- Calibrates in ounces, pints, quarts, litres, gallons; special option available
- Range: 9,999 current total; up to 10,000,000 accumulated total.
- Glass-filled polypropylene body; Ryton 302 stainless steel chamber.
- Easy-to-read LCD dial.
- Use at pump end or at hose end.
- Includes 2 "AA" batteries and pocket-sized calibration chart.

PART	DESCRIPTION	PRICE (F)
850	Flow Meter with Air Sensor	471.30

**825 Series Meter**

- Non-Air sensing Digital Flow Meter with 1" FNPT ports.
- 20 stored settings to match a wide range of popular chemicals listed.
- Can be used with a range of liquids with different viscosities.
- Accurate to +/- 0.2%.
- Easy-to-read LCD dial; easy to set up and use.
- Use at pump end or at hose end.
- Includes 2 "AA" batteries and pocket-sized calibration chart.

PART	DESCRIPTION	PRICE (F)
825	Flow Meter No Air Sensor	366.55

**SF-1100-PTS**

The SF-1100-PTS system comes with the FM-1100. Pump-mounted Flow Meter.

The **SHURflo AG Runner™** system is ready to take anywhere. The AG Runner™ is portable, flexible, and extremely versatile, especially for those that use multiple containers. The entire system is mounted in a sturdy, easy-to-carry, welded frame and includes:

- SF-1100 Chemical Transfer Pump with 12VDC Motor, 20 ft. cable, Alligator Clips, and in-line Fuse.
- FM-1100 (Pump Mount) or FM-1100-1 (In-line Mount) Flow Meter (features large LCD display, simple calibration, and long-life lithium batteries).
- 1" NPT x 12' EPDM Discharge Hose with Ball Valve / Spout.
- 1" NPT x 12' EPDM Inlet Hose with Elbow / Ball Valve / Fitting (1") assembly with Locking Cam Arms.
- Pump Performance: Maximum 15 PSI; 10.7 GPM; capable of priming up to 12 feet.

PART	DESCRIPTION	PRICE (E)
SF-1100-PTS	SHURflo AG Runner™ Transfer System - complete	1752.10
SF-1100	Stand Alone Pump with 20 ft. Cable	837.55
FM-1100-1	Inline Flow Meter	463.60



## Chemical Handling

Introducing The **BETTER** Chemical Handling Management System – The

# STRAIGHTSHOT

## C H E M S T A T I O N

With a plumbing system perfected in the field over two years, the **StraightShot** ChemStation has been designed with the user in mind. Engineered to deliver unsurpassed speed, designed to take up less space on the deck with its 36" x 20" foot print frame, and configured for easier access by the user. This is the chemical management system you may wish you always had.

Equipped with genuine Banjo® Manifold fittings, and the familiar jug-slitter knife, the **StraightShot** ChemStation can handle everything you can throw at it – whether it's jugs, barrels, totes, or powders.

New for 2017, the **StraightShot** ChemStation 67 has a reconfigured plumbing package. This change moves the plumbing from underneath the tank to the exterior of the frame – this adds only 5" to the overall depth of the unit compared to the original **StraightShot**. Available with or without the optional bulk induction metering system.

Level indicators have always been standard on the sides of the tank used on the **StraightShot** ChemStation. Now both tanks will feature level indicator decals on the front and the rear – liquid levels can be seen at a glance from any angle! Also available as options are the 3-Tote Induction Kit and the Recirculation Kit (original 44 USG model only). The 3-Tote Induction Kit (SS-3TOTEKIT) allows the user to connect to up to 3 bulk chemical totes and select which chemical he wants to induct and meter into his sprayer with a simple turn of a valve. The Recirculation Kit (SS-RECIRC-44) creates a closed loop between the **StraightShot** and pump for more aggressive mixing.

*Standard features on the **StraightShot** ChemStation include:*

- The fill line through the ChemStation is a "straight shot" to the sprayer – no elbows or turns of any kind to decrease fill time.
- High-Speed venturi will induct chemical **up to 30% faster** than previous products.
- All controls are located on the front where the user can easily get to them.
- Equipped standard with not one, but **TWO** tank rinsers on either side of the tank. The dual rinsers provide better rinse action to the top of the tank as well as out and down. This means the entire tank is rinsed better and the knife system is also better rinsed of chemical.
- **3" Plumbing is standard** (hose connections may be reduced to 2" on request).
- Jug Rinser – standard.
- Tank Fill / Agitator – standard.
- Fresh water valve with 12 feet of hose for general clean-up / rinsing – standard.
- Steel frame with powder-coated paint for durability – standard.
- Steel utility box for gloves, goggles, safety equipment, etc. – standard.



Ultra-Sharp Jug Slitter Knife with Jug Rinsing Feature

### OPTIONAL BULK INDUCTION METERING SYSTEM (BIMS)

The optional BIMS allows the user to meter chemical directly into the flow line to the sprayer using the venturi to pull even the most viscous chemicals from totes or barrels – eliminates the need for a herbicide pump. The air-sensing Sotera 850 meter is included with the BIMS option.

Also included with the BIMS is a separate flow line which allows you to detach the hose from the bulk container, connect it to the StraightShot, and rinse it out with the turn of a valve.

PART	DESCRIPTION	PRICE(H)
STRAIGHTSHOT	StraightShot ChemStation - w/o Bulk Induction Metering 44 USG	CALL
STRAIGHTSHOT-I	StraightShot ChemStation – w/ Bulk Induction Metering 44 USG	CALL
STRAIGHTSHOT67	StraightShot ChemStation - w/o Bulk Induction Metering 67 USG	CALL
STRAIGHTSHOT67-I	StraightShot ChemStation – w/ Bulk Induction Metering 67 USG	CALL
SS-3TOTEKIT	3-Tote Induction Kit	CALL
SS-RECIRC-44	Recirculation Kit – (44 US Gallon models only)	CALL

## ULV Applicators



### Twister XL<sup>3</sup> Motorized Knapsack ULV Sprayer

Featuring a remarkable nozzle and blower system that outperforms the competition in value, durability, and performance, the Twister XL3 is the most impressive ULV backpack applicator in the world. Ideal for use around golf courses, campgrounds, parks, farms, etc., to control mosquitoes and flies.

- Single high output Microtec™ nozzle.
- Powered by a Honda 4-stroke motor. Low emission, high performance engine.
- 95% of the droplets below 20 microns at flow rates up to 6 oz/min (178 ml/min).
- High speed rotary, 3-stage, belt driven blower; 95 CFM unrestricted. 3 PSI max.
- Interchangeable restricting orifice to produce flow rate of 1.5 oz/min (45 ml/min); 500 ml/min using optional dual nozzle attachment (kit # 39716 – special order).
- Fuel Tank – 17 oz. (500 ml); approximate run time is 55 minutes.
- Formulation Tank – 1 gallon (3.78 litres).
- 36 lbs (16.3 kg) dry weight.

PART	DESCRIPTION	PRICE (I)
TWISTERXL3	Motorized Knapsack ULV Sprayer	CALL

### Hurricane Ultra II Low Volume Applicator

The Hurricane Ultra II ULV mister is an electric portable aerosol applicator that dispenses both oil and water-based products including Insecticides, Fungicides, Disinfectant, and Germicides.

The Hurricane Ultra II is ideal for use in spraying industrial and residential areas. Farms, greenhouses, warehouses, animal care facilities, sanitation, germicidal spraying and disease control programs are just a few of the markets where the Hurricane Ultra II is used. Its rugged design handles corrosive liquids and heavy impacts.

- Solid stainless-steel metering valve for delivering precise outputs and maximizing use of chemicals. Adjustable from 0 to 4.5 gallons per hour.
- Droplet sizes can be controlled for both ULV spraying and residual spraying.
- Translucent, low profile 3.8L capacity tank design virtually eliminates tipping... empty or full!
- 110-Volt motor with 20,000 RPM continuous duty.
- Dimensions: 12" L x 12" W x 14" H; weight 3 kgs (6.6 lbs.) empty

PART	DESCRIPTION	PRICE (I)
HURRICANE	Hurricane Ultra II Low Volume Applicator – 110V	CALL

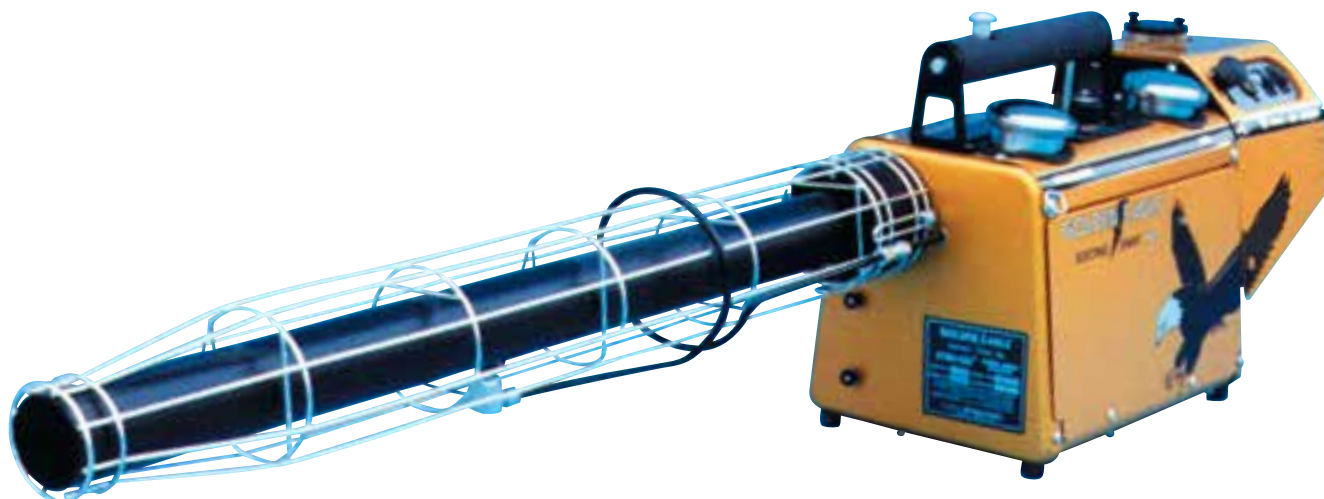


### Fogmaster Jr. Utility ULV Fogger

- Control flying insects on patios and lawns, hotel room smoke odours, or apply BT or soap solutions to gardens. Ideal for misting water on cut flowers and interior foliage or for raising humidity in a room or hobby greenhouse. Perfect size and capacity for the homeowner.
- Easy to use - twist power head to remove tank and fill with your solution.
- Adjust fog output with rotary valve; 15 to 40-micron droplet size.
- 110-Volt power cord.
- 946 ml. (1 US quart) tank capacity.

PART	DESCRIPTION	PRICE (I)
FOGMASTER-JR	ULV Sprayer – 946 ml. tank	CALL

# Thermal Foggers / ULV Applicators



## Golden Eagle™ Thermal Fogger

The Golden Eagle Thermal Fogger easily, efficiently, and economically dispenses oil-based insecticides, fungicides, germicides, disinfectants, odour control, and other chemical products.

The Golden Eagle features a revolutionary new electric starting system to assure greater reliability, effectiveness, fuel efficiency, and ease of operation eliminating the need for manual starting.

No other machine surpasses the Golden Eagle's application capacity or its speed in completing difficult chemical application jobs at warehouses, factories, greenhouses, parks, campgrounds, cattle/swine/poultry operations, and much more.

### Specifications:

- Formulation Output: Thermal aerosol fog, resonant pulse principle – 0 - 9 gallons / hour; 0.5 - 50 micron droplet size.
- Engine Performance: 30 HP, 22 KW.
- Fuel Consumption: 0.5 gallons / hour.
- Tank Capacities: 1.0 L Fuel, 4.2 L formulation.
- Power Supply: 8 x 1.5 V D-size alkaline batteries or auxiliary 12 V cigarette lighter adapter (supplied).
- Dimensions: 52" long x 9.5" wide x 14.5" high.
- Weight (empty): 8.6 kgs (19 lbs)
- Weight (full): 12.2 kgs (27 lbs)

PART	DESCRIPTION	PRICE (I)
GOLDEN	Golden Eagle Fogger	CALL



## Truck-Mount Ultra Low Volume Applicators

Curtis Dyna-Fog has been the world's leader in aerosol applicator technology with more than 30 years of design and manufacturing experience.

Offering a range of truck-mounted ULV applicators with flexibility in options such as pumps, engine brands, and radar or GPS speed sensing allow complete customizing to fit your needs. Curtis Dyna-Fog are manufactured with high quality components to ensure low maintenance costs and ease of use. ULV applicators are a cost-effective way to control environmental pests such as mosquitoes to help reduce insect borne diseases such as West Nile Virus.

Contact your Even-Spray Sales Representative for more details.



Typhoon 1 ULV Applicator shown



# Hoses and Clamps



## Flexogen Hose

- Lifetime replacement policy

PART	DESCRIPTION	PRICE (I)
FLEX-3/4-50	3/4" X 50'	64.80
FLEX-3/4-75	3/4" X 75'	94.60
FLEX-3/4-100	3/4" X 100'	126.75
FLEX-1-100	1" X 100'	CALL



## Lay-Flat PVC Hose

PART	DESCRIPTION	PRICE/FT. (F)
PVCL1	1" I.D.	.80
PVCL112	1 1/2" I.D.	.65
PVCL2	2" I.D.	.75
PVCL3	3" I.D.	1.15
PVCL4	4" I.D.	1.85
PVCL6	6" I.D.	3.25



## Nylon Reinforced (NRV) Hose

PART	DESCRIPTION	PRICE/FT. (F)
NRV14	1/4" I.D.	.55
NRV38	3/8" I.D.	.95
NRV12	1/2" I.D.	1.00
NRV58	5/8" I.D.	1.40
NRV34	3/4" I.D.	1.60
NRV1	1" I.D.	2.45
NRV114	1 1/4" I.D.	4.55
NRV112	1 1/2" I.D.	5.80
NRV2	2" I.D.	8.50



## Braided Sprayer Hose - Per Foot

PART	DESCRIPTION	PRICE (F)
SPR1BR1/2	2 Spiral, 1/2" 150 PSI	1.60
SPR2BR3/8	4 Spiral, 3/8" 250 PSI	1.70
SPR2BR1/2	4 Spiral, 1/2" 250 PSI	2.30
SPR2BR3/4	4 Spiral, 3/4" 250 PSI	3.25
SPR2BR1	4 Spiral, 1" 200 PSI	3.80



## Rubber Discharge Hose

PART	DESCRIPTION	PRICE/FT. (F)
RD114	1 1/4" I.D.	5.55
RD112	1 1/2" I.D.	6.10
RD2	2" I.D.	7.55
RD3	3" I.D.	11.45
RD4	4" I.D.	15.00



## Rubber/Wire Suction Hose

PART	DESCRIPTION	PRICE/FT. (F)
RS114	1 1/4" I.D.	8.10
RS112	1 1/2" I.D.	8.20
RS2	2" I.D.	9.15
RS3	3" I.D.	14.35
RS4	4" I.D.	20.95



## High Pressure PVC Hose - Yellow

PART	DESCRIPTION	PRICE/FT. (F)
HP38-600	3/8" 600 PSI	1.25
HP12-600	1/2" 600 PSI	2.35
HP34-600	3/4" 600 PSI	4.60



## Hose Cutter

PART	PRICE (G)
0725-0005	13.45
0725-0006 BLADE	8.75

## Ratchet Clamps

- Ideal for use with LDPE thin wall tubing.
- Secure lock teeth.



PART	DESCRIPTION	PRICE (F)
RATCHETCLAMP-15	.590-.630" OD	.30
RATCHETCLAMP-18	.670-.750" OD	.30
RATCHETCLAMP-20	.749-.827" OD	.35



## Stainless Steel Gear Clamps

PART	MIN.	MAX.	AVERAGE	PRICE (E)
HAS4M	1/4"	5/8"	3/8"	.55
HAS5M	5/16"	7/8"	1/2"	.55
HAS6M	7/16"	7/8"	5/8"	1.55
HAS6	3/8"	3/4"	5/8"	1.10
HAS8	1/2"	1"	3/4"	1.15
HAS10	9/16"	1 1/8"	7/8"	1.20
HAS12	1 1/16"	1 1/4"	1 5/16"	1.20
HAS16	5/8"	1 1/2"	1"	1.25
HAS20	1 3/16"	1 3/4"	1 1/8"	1.35
HAS24	1 1/16"	2"	1 1/2"	1.35
HAS28	1 7/16"	2 3/8"	1 15/16"	1.40
HAS32	1 9/16"	2 1/2"	2"	1.50
HAS36	1 13/16"	2 3/4"	2 1/4"	1.55
HAS40	2 1/16"	3"	2 1/2"	1.60
HAS44	2 9/16"	3 1/4"	2 13/16"	1.65
HAS52	2 13/16"	3 3/4"	3 3/16"	1.80
HAS64	3 9/16"	4 1/2"	4"	2.00
HAS72	4 1/8"	5"	4 1/2"	2.10
HAS88	5 1/8"	6"	5 1/2"	2.25
HAS96	5 5/8"	6 1/2"	6"	2.35
HAS104	6 1/8"	7"	6 1/2"	2.55



## Stainless Steel Super Clamps

- Stainless steel T-bolt with silver plated nut to prevent seizing with nylon lock nut.
- 360° sealing surface.
- Ideal for high torque applications.
- Strong, positive connections.
- 3 spot welds for extra strength.

PART	DESCRIPTION	PRICE (G)
TC120	1.20" / 1.34"	12.10
TC130	1.30" / 1.70"	13.30
TC150	1.50" / 1.75"	13.45
TC162	1.62" / 1.87"	13.30
TC181	1.81" / 2.06"	12.20
TC193	1.93" / 2.18"	13.45
TC206	2.06" / 2.40"	14.10
TC218	2.18" / 2.50"	12.55
TC224	2.24" / 2.55"	14.10
TC231	2.31" / 2.62"	13.10
TC250	2.50" / 2.81"	14.10
TC287	2.87" / 3.18"	14.10
TC312	3.12" / 3.49"	14.10
TC331	3.31" / 3.62"	13.70
TC343	3.43" / 3.75"	13.70
TC425	4.25" / 4.56"	16.30
TC438	4.38" / 4.76"	27.15
TC456	4.56" / 4.94"	27.15



## Commercial Red Hose

PART	DESCRIPTION	PRICE (G)
COMM3/450	3/4" x 50'	56.15
COMM3/475	3/4" x 75'	81.35



## Weeper Hose

PART	DESCRIPTION	PRICE (G)
WEEPER50	50'	30.90



## Farm Red Hose

PART	DESCRIPTION	PRICE (G)
FARMHOSE	5/8" x 90'	70.05



## PVC Suction Hose

PART	DESCRIPTION	PRICE/FT. (F)
PVCS34	3/4" I.D.	1.40
PVCS1	1" I.D.	1.50
PVCS114	1 1/4" I.D.	2.25
PVCS112	1 1/2" I.D.	2.25
PVCS2	2" I.D.	3.10
PVCS2.5	2 1/2" I.D.	6.95
PVCS3	3" I.D.	6.15
PVCS4	4" I.D.	10.15



## Clear Vinyl Hose

PART	DESCRIPTION	PRICE/FT. (F)
CLEAR14	1/4" I.D.	.30
CLEAR38	3/8" I.D.	.40
CLEAR12	1/2" I.D.	.55
CLEAR58	5/8" I.D.	1.25
CLEAR34	3/4" I.D.	1.45
CLEAR10	1" I.D.	2.00


**Comfort Grip Nozzle**

- Molded on, black vinyl grip is cushioned for comfort.
- Male hose threaded front for attaching accessories.

PART	PRICE (G)
593	10.65


**Pro Fireman Nozzle**

- Heavy-Duty metal construction.
- Adjustable pattern, lever ON/OFF.
- Rated to 250 PSI.

PART	DESCRIPTION	PRICE (G)
50503	Pro Fireman Nozzle	39.40


**Nylon "Y" Shut-off Connectors**

- Durable, rustproof polymer.
- Not good for high temperatures.
- Twin shut-off valves.
- Cap type valve handles resist breakage.
- Full ball and retainer rings reduce leakage, even at low pressure.

PART	PRICE (G)
17	4.45


**Dramm Fan Spray**

- Heavy-duty zinc & brass construction.
- Female GH thread; easy-to-use shut-off and ergonomic insulated grip.
- Great for seedlings.

PART	DESCRIPTION	PRICE (F)
DRAMM-FANSpray	Fan Spray	13.50


**Insulated Pistol Grip Nozzle**

- Insulated molded grip for spraying hot or cold water.
- Male garden hose threaded front for attaching accessories.

PART	DESCRIPTION	PRICE (G)
572TFR	Threaded front	11.85


**Swivel Connect Water Nozzle**

- 8-Position spray pattern selection.
- Swivel connection reduces hose twisting; improves mobility.
- EZ Click™ ON/Off trigger with ergonomic handle.

PART	DESCRIPTION	PRICE (G)
3132	Swivel Connect Nozzle	23.55


**Full Size Solid Brass Twist Nozzle**

- Four large openings at nozzle tip for full flow.
- Replaceable front and rear O-ring seals for leakproof shut-off.
- Precise tip angle eliminates side spray.
- Adjustable from fine spray to needle stream to heavy rinse.
- Fast 3 turns from closed to open.
- Heavy-duty solid brass construction.

PART	PRICE (G)
528T	12.55


**Water Shut-Off Valve**

- Zinc construction (withstands hot water temperatures up to 160°F).
- Shut-off valve controls water flow; saves water and time.
- Cap type valve handle resists breakage.

PART	DESCRIPTION	PRICE (G)
05VL	Zinc	6.50


**Zinc "Y" Shut-off Connectors**

- Rugged zinc die cast.
- Water temperatures up to 160°F.
- Twin shut-off valves.
- Cap type valve handles resist breakage.
- Full ball and retainer rings reduce leakage, even at low pressure.

PART	PRICE (G)
15	9.10



Female

Male

**Brass Quick Connector Set**

- Allows the most water flow of any quick connector systems.
- Use with 07V or 05V water shut-off valves for on/off water flow control.
- Features a push-pull ring to connect/disconnect hose and hose end attachments easily.
- Easily attaches to nozzle /sprinkler for quick connection to hose.
- Heavy-duty solid brass construction for long life.
- Incl. 1 male and 1 female connector.

PART	DESCRIPTION	PRICE (G)
09QC	Connector Set	13.65
09QCM	Male Connector Only	4.55
09QCF	Female Connector Only	9.10



Female

Male

**Hose End Quick Connector Set**

- Easily connects hose to sprinkler, nozzle or other hose end accessories.
- Durable, polymer construction.
- Interchangeable with most polymer quick connector systems.
- Includes 1 female hose end connector with shut-off and 2 male hose end adapters.

PART	DESCRIPTION	PRICE (G)
29Q	Connector Set	5.70
29QF	Female Hose End Shut-off Only	4.65
29QM	Male Hose End Quick Connectors (2/card)	1.65


**Rubber Hose Washers**

PART	DESCRIPTION	PRICE (G)
01RW	10 Pack	1.45


**Filter Washers**

- Molded metal screen.
- Fits all hose couplings.

PART	DESCRIPTION	PRICE (G)
02FW	3 Pack	2.10



GHFT075A



GHMT075B



GHFT075D



GHMT075F

**3/4" Banjo Brand Cam-lock Garden Hose Thread Fittings**

- Quick and simple way to connect and disconnect your garden hose and all other watering accessories.
- Never have to use pliers to attach or tighten another garden hose or accessory again!
- Durable, rustproof yellow fiberglass re-enforced poly construction.
- Fits all standard 3/4" male and female garden hose threads (GHT).
- Standard 3/4" opening inside diameter.

PART	DESCRIPTION	PRICE (F)
GHFT075A	3/4" Adapter x Female GHT	7.95
GHMT075F	3/4" Adapter x Male GHT	7.95
GHMT075B	3/4" Coupler x Male GHT	16.80
GHFT075D	3/4" Coupler x Female GHT	16.80


**Full Size Zinc Pistol Grip Nozzle**

- Male threaded front for attaching accessories (573TFL).

PART	DESCRIPTION	PRICE (G)
573L	Non-Threaded Front	7.10



# Hose Accessories



## Hozon Syphon Mixer

- Accurately applies fertilizer, pesticides and other water soluble chemicals for use in the greenhouse, lawn and garden.
- Sturdy Poly body, in-line check valve.

PART	DESCRIPTION	PRICE (F)
HOZON	Injector	23.30

Note: All chemical mixes should be diluted according to the manufacturer's recommended concentration



## FOGG-IT Fog Nozzles

PART	DESCRIPTION	PRICE (F)
FOGG	Super Fine	14.85
FOGGF	Fine	14.85
FOGGL	Low Volume	14.85
FOGGH	Heavy	14.85



## Heavy Brass Hose Coupler Set

- Individual male or female fittings also sold separately – please inquire.

PART	DESCRIPTION	PRICE (G)
HC38	3/8"	8.15
HC12	1/2"	7.60
HC58	5/8"	7.65
HC34	3/4"	7.90
HC10	1"	30.95



## Adapter Coupler

PART	DESCRIPTION	PRICE (G)
#03	1/2 NPT x Hose	3.75
#04	3/4 NPT x Hose	4.25



## Swivel Connector

PART	DESCRIPTION	PRICE (G)
#01	1/2 NPT x Hose	4.50
#02	3/4 NPT x Hose	4.70
#06	Hose x Hose	4.55



## Water Breaker

PART	DESCRIPTION	PRICE (F)
170PL	Plastic	6.60
170AL	Aluminum	16.05
400PL	Plastic	7.65
400AL	Aluminum	24.05
1000PL	Plastic	18.20



## Extension

PART	DESCRIPTION	PRICE (F)
DRAMM2	2'	14.20
DRAMM3	3'	16.05
DRAMM4	4'	17.15



## 03V

PART	DESCRIPTION	PRICE (G)
03V	Single Outlet Brass Shut-Off	7.85



## 13

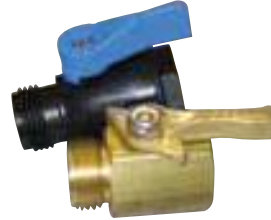
PART	DESCRIPTION	PRICE (G)
13	Double Outlet Brass Shut-Off	15.35



## Brass Shut-Off

- Extra large handles are easy to grip and turn.
- EZ-on connector assures connection to faucet.
- Heavy-duty brass construction.

PART	DESCRIPTION	PRICE (G)
44GFL	Four Outlet Brass Shut-Off	35.70



## GH in/out

PART	DESCRIPTION	PRICE (F)
74VALVE	Dramm 74 GH Ball Valve	23.25
300	Brass GH Valve	31.35



## Male NPT x Female Hose Adapter

PART	DESCRIPTION	PRICE (G)
#07	1/2	3.60
#09	3/4	3.95



## Female NPT x Male Hose Adapter

PART	DESCRIPTION	PRICE (G)
#08	1/2	2.75
#10	3/4	3.75



## Adapter Nipple

PART	DESCRIPTION	PRICE (G)
#05	3/8 NPT x Hose	3.45
#11	1/2 NPT x Hose	3.55
#12	3/4 NPT x Hose	4.25
#13A	Hose x Hose	3.80



## Male Swivel Adapter

PART	DESCRIPTION	PRICE (G)
#14	3/8 NPT x Hose	4.80
#15	1/2 NPT x Hose	4.75
#17	1/4 NPT x Hose	4.75



## 20R Adapter

PART	DESCRIPTION	PRICE (I)
20R	1" FNPT x MGHT	16.10
HW1	Gasket for 20R	2.05



## Hose Nozzle

PART	DESCRIPTION	PRICE (G)
FN100	1" Nozzle	23.75
FN112	1 1/2" Nozzle	20.10
FN200	2" Nozzle	92.95
FN100-G	Gasket – FN100	1.65
FN112-G	Gasket – FN112	1.70
FN200-G	Gasket – FN200	2.75



## Socket

PART	DESCRIPTION	PRICE (E)
QCS14	1/4" Socket Only	6.30
QCS38	3/8" Socket Only	8.20
QCS12	1/2" Socket Only	13.65



## Male Plug

PART	DESCRIPTION	PRICE (E)
QCP14	1/4" Plug Only	2.95
QCP38	3/8" Plug Only	3.85
QCP12	1/2" Plug Only	5.20



## Female Plug

PART	DESCRIPTION	PRICE (E)
QCP14F	1/4" Fem. Plug Only	3.70
QCP38F	3/8" Fem. Plug Only	3.60
QCP12F	1/2" Fem. Plug Only	7.55

## Quick Coupler Socket O-Rings

PART	DESCRIPTION	PRICE (E)
QC14-OR	O-Ring - 1/4" Socket	.55
QC38-OR	O-Ring - 3/8" Socket	.55
QC12-OR	O-Ring - 1/2" Socket	.65



# Gas Engines

# HONDA ENGINES



**Honda GX160 Series Engine (5 1/2 HP)**

PART	DESCRIPTION	PRICE (I)
GX 160U1HX6	Oil Alert 6:1	CALL
GX 160U1LX6	Oil Alert	CALL
GX 160UTQH6	Engine	CALL
GX 160UTQX6	Oil Alert	CALL
GX 160UQXC6	Oil Alert	CALL
GX 160UQXE6	Electric Oil Alert	CALL
GX 160U1RH6	Engine	CALL
GX 160UTT6	Oil Alert	CALL



**Honda GX270 Series Engines (9 HP)**

PART	DESCRIPTION	PRICE (I)
GX 270UHX26	Oil Alert	CALL
GX 270UTQA6	Oil Alert	CALL
GX 270UQA6	Electric	CALL
GX 270UQH26	Engine	CALL
GX 270UQXC6	Oil Alert	CALL
GX 270UQXE6	Electric Oil Alert	CALL
GX 270URH26	Engine	CALL
GX 270UVX6	Engine	CALL



**Honda GX340 Series Engines (11 HP)**

PART	DESCRIPTION	PRICE (I)
GX 340U1HX6	Oil Alert	CALL
GX 340U1LX6	Oil Alert	CALL
GX 340U1QA6	Oil Alert	CALL
GX 340UQA6	Electric Oil Alert	CALL
GX 340UVX16	Engine	CALL



**Honda GX390 Series Engines (13 HP)**

PART	DESCRIPTION	PRICE (I)
GX 390UQXC6	Oil Alert	CALL
GX 390UTQA6	Oil Alert	CALL
GX 390UQA6	Electric, Oil Alert	CALL
GX 390UQNE6	Electric, Oil Alert, 10 AMP	CALL



**Honda GX 630 Engine (20 HP)**

PART	DESCRIPTION	PRICE (I)
GX 630RQXF	Electric, less muffler	CALL

Note: Muffler not included



**Honda GX690 Engine (24 HP)**

PART	DESCRIPTION	PRICE (I)
GX 690RTXF	Electric, less muffler	CALL

Note: Muffler not included

**Muffler for 20 and 24 HP Honda Engines**

PART	DESCRIPTION	PRICE (I)
MUFFLER	Muffler – Honda 20/24 HP	CALL

## PowerPro™ Gasoline Engines



# HYPRO®

### Features & Benefits:

- Available in multiple horsepower models for use in agriculture, industrial, and lawn & garden applications.
- Overhead valve for cleaner operation; flat head on 2.5 HP.
- Most common repair parts stock items for Even-Spray.
- Engines can be configured to various Hypro pumps models or sold individually.
- Supported with a one year warranty from Hypro.
- Dedicated technical and Hypro service support number – 1-800-769-3777.

### PowerPro Gasoline Engines, Recoil Start

PART	HP	SHAFT TYPE	PRICE (E)
2549-0043	2.5	5/8" Keyed	529.30
2541-0046	6.5	5/8" Threaded	465.60
2541-0048	13.0	1" Keyed	976.30



### Powerease Gasoline Engines

- 7 HP 210cc Recoil start engine with Oil Alert and 3/4" keyed shaft.
- 15 HP 420cc Recoil start engine with Oil Alert and 1" keyed shaft.

PART	DESCRIPTION	PRICE (I)
POWEREASE7	7 HP, 3/4" Shaft	250.30
POWEREASE15	15 HP, 1" Shaft	CALL

## Pumps and Foot Valves



TrunkPump turns pumping into an easy one-person job and saves time, money and labour because your tractor does all the hard work.

The **TP-2PTP** high-pressure self-priming pump is designed specifically irrigation or high head / pressure applications where moderate volume is required.

Other TrunkPump models available for water transfer / dewatering applications.



### TP-2PTP 2" High Pressure Pump

- Die Cast, Self-priming PTO-powered centrifugal Aluminum Pump
- 120+ GPM; 18 feet' of suction head, 88 PSI (75 PSI @ 30 GPM)
- Silicone Carbide seal
- Heavy-duty steel construction.

PART	DESCRIPTION	PRICE (G)
TP-2PTP	2" HP PTO-Pump	CALL



### Hunter® PSR-22 Pump Start Relay

A reliable and economical pump start relay for irrigation systems with an electric pump that require pump activation at the controller. Suitable for conventional wiring or 2-wire decoder activation; allows for flexible installation options.

- Lockable, All-weather Enclosure
- 24VAC flying leads makes connection to the controller quick and easy.
- Single Phase 2HP @ 110VAC; 3HP @ 230VAC
- Dimensions: 6½" H x 7½" W x 4½" D

PART	DESCRIPTION	PRICE (F)
PSR-22	Pump Start Relay – single phase	CALL

NOTE: Other models available – please inquire.



### HP-2065HR High Pressure 2" Transfer Pump

High pressure system operates at 65 PSI; ideal for lawn sprinkling and fire fighting.

- 2" NPT inlet and outlet Aluminum Pump.
- Honda GX200 6.5HP engine with Oil Alert.
- 126 gallons per minute Maximum Flow.
- 197' Total Lift (@ 85 PSI).
- Solids through pump not recommended.

PART	DESCRIPTION	PRICE(H)
HP-2065HR	2" High Pressure Pump	CALL



### HP-2013HR High Pressure Transfer Pump

The HP-2013HR pump with Honda engine is an excellent choice for irrigation or as a firefighting pump.

- 2" Male NPT inlet and outlet Aluminum Pump.
- Honda GX390 13HP engine with Oil Alert.
- 140 gallons per minute Maximum Flow.
- 330' Total Lift (@ 145 PSI).
- Solids through pump not recommended

PART	DESCRIPTION	PRICE(H)
HP-2013HR	2" High Pressure Pump	CALL



### PVC Foot Valves

PART	DESCRIPTION	PRICE (E)
FVPVC0750	¾"	12.40
FVPVC1000	1"	17.00
FVPVC1250	1¼"	23.10
FVPVC1500	1½"	24.90
FVPVC2000	2"	29.75
FVPVC3000	3"	156.05



### Heavy Duty Bronze Foot Valve

- Includes perforated stainless steel strainer.

PART	DESCRIPTION	PRICE (F)
FV034	¾"	18.20
FV100	1"	24.20
FV114	1¼"	33.25
FV112	1½"	44.80
FV200	2"	76.35
FV300	3"	425.60
FV400	4"	508.90



Foot Valve



Leather Flapper

### Cast Iron Foot Valves

PART	DESCRIPTION	PRICE (E)
FVCI-2	2" Foot Valve	53.75
FVCI-3	3" Foot Valve	97.50
FVCI-4	4" Foot Valve	169.35
LEATHER2	2" Leather Flapper	13.00
LEATHER3	3" Leather Flapper	16.55
LEATHER4	4" Leather Flapper	22.45
LEATHER6	6" Leather Flapper	50.10



### Poly Check Valve

- 2" or 1½".
- Available with or without check valve.

PART	DESCRIPTION	PRICE (F)
FVPP2	2" Strainer C/W Check	128.15
FVPP2LC	2" Strainer Less Check	66.65
100750	2" NPT Female x Hose Insert	7.70
504019	2" Check Valve	61.50
2452067	2" NPT Female x 1½" NPT Male Adapter	12.35
100640	1½" NPT Female x 1½" Hose Insert	7.75

# Sprinklers and Components



## Quick Couplers and Valves

### Quick Coupling / Valve Cross Reference Chart

KEY PART #	TOP INSIDE FEMALE/ OUTSIDE MALE THREAD SIZE	KEY SIZE	VALVES					
			#3 Valve	#4 Valve	#5 Valve	QCV075	QCV100	QBRB5RC10
33K	1/2" / 3/4"	1/2"						
44K	3/4" / 1"	3/4"						
55K	N/A / 1"	1"						
QB33K07	1/2" / 3/4"	3/4"						
QB44K10								
QB5RK10	3/4" / 1"	1"						

### Rainbird Valves & Keys

KEY PART	PRICE(I)	VALVE PART	PRICE(I)
33K	65.65	#3VALVE	99.85
44K	148.95	#44VALVE	182.25
55K	166.75	#5VALVE	155.20

### Storm Buckner Valves & Keys

KEY PART	PRICE(I)	VALVE PART	PRICE(I)
QB33K07	49.55	QCV075	77.85
QB44K10	106.25	QCV100	109.45
QB5RK10	110.30	QBRB5RC10	118.65



## Roller Base – 22" Wide

PART	DESCRIPTION	PRICE (I)
ROLLERBASE22	For 3/4" or 1" Impact Sprinklers	177.95



## Ring Bases

PART	DESCRIPTION	PRICE (G)
RINGBASE-1/2	1/2" NPT Outlet	21.85
RINGBASE-3/4	3/4" NPT Outlet	23.10



## Brass Swivel Elbows

PART	DESCRIPTION	PRICE (I)
SWIVEL34	3/4"	59.55
SWIVEL1	1"	82.90
SWIVEL134	1" x 3/4"	68.50



## Rotor Max Midi Sprinkler

- Dual outlet spinner enhances sprinkler performance.
- Easily taken apart for cleaning.
- UV-stabilized materials for long life.
- 1/2" Male thread.

PRESSURE (PSI)	FLOW (GPM)	DIAMETER (FEET)	STREAM HEIGHT (FT.)
15	2.4	40.0	2.3
20	2.8	42.0	2.7
30	3.7	46.0	3.4
40	4.2	45.0	3.9

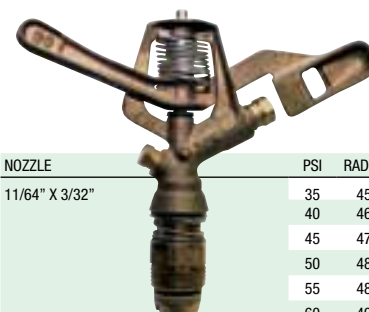
PART	DESCRIPTION	PRICE(H)
ROTORMAX-P	Rotormax - 0.15" Nozzle	11.55



## Adjustable Impact Sprinkler Heads

- SU63: 20 to 340 or full circle pattern; 25 – 55 PSI; 3.54 – 5.44 GPM. 35 – 48 foot head spacing.
- 65P10: 20 to 340 or full circle pattern; 25 - 60 PSI; 3.54 – 5.64 GPM. 33 – 47 foot head spacing.
- SU261: 20 to 340 or full circle pattern; 30 - 60 PSI; 3.94 – 13.73 GPM. 41 – 50 foot head spacing.

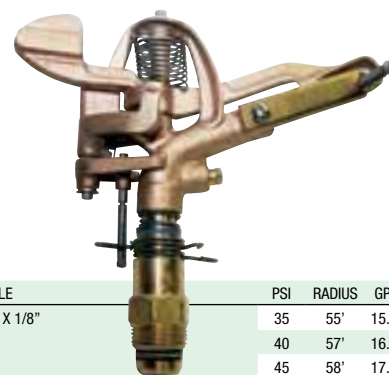
PART	DESCRIPTION	PRICE (I)
SU63	1/2" MNPT Brass Impact Sprinkler	50.10
65P10	1/2" MNPT HD Poly Impact Sprinkler	9.30
SU261	3/4" MNPT Brass Impact Sprinkler	80.25



NOZZLE	PSI	RADIUS	GPM
1 1/4" X 3/32"	35	45'	6.73
	40	46'	7.21
	45	47'	7.62
	50	48'	8.03
	55	48'	8.43
	60	49'	8.71
	65	49'	9.11
	70	50'	9.45
	75	50'	9.79
	80	51'	10.06

## 1 1/4" Full Circle Dual Nozzle Impact Sprinkler

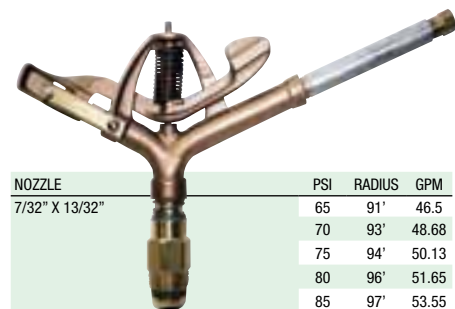
PART	DESCRIPTION	PRICE (I)
2000S	Buckner 3/4" Full Circle Sprinkler	39.10
100255	Optional 1/4" Rear Plug	CALL



NOZZLE	PSI	RADIUS	GPM
9/32" X 1/8"	35	55'	15.43
	40	57'	16.52
	45	58'	17.54
	50	60'	18.49
	55	62'	19.31
	60	65'	20.26
	65	67'	21.01
	70	70'	21.82
	75	71'	22.57
	80	72'	23.25
	85	74'	24.00
	90	75'	24.75
	95	77'	25.49
	100	78'	26.24

## 1" WAU360 Adjustable Impact Sprinkler

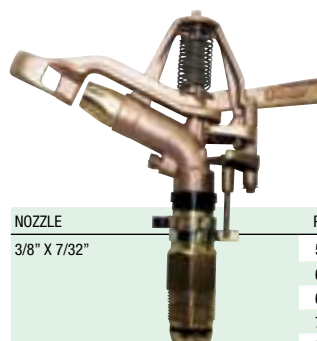
PART	DESCRIPTION	PRICE (I)
WAU360	Buckner 1" Adjustable Sprinkler	148.90



NOZZLE	PSI	RADIUS	GPM
7/32" X 13/32"	65	91'	46.5
	70	93'	48.68
	75	94'	50.13
	80	96'	51.65
	85	97'	53.55
	90	99'	54.86
	95	100'	56.37
	100	101'	58.00

## 1 1/4" WAU400 Full Circle Impact Sprinkler

PART	DESCRIPTION	PRICE (I)
WAU400	Buckner 1 1/4" Full Circle Sprinkler	252.80



NOZZLE	PSI	RADIUS	GPM
3/8" X 7/32"	55	77'	35.7
	60	79'	37.2
	65	81'	38.7
	70	83'	40.2
	75	85'	41.7
	80	85'	43.2
	85	86'	44.7
	90	87'	46.2
	95	87'	46.9

## 1 1/4" WAU460 Adjustable Impact Sprinkler

PART	DESCRIPTION	PRICE (I)
WAU460	Buckner 1 1/4" Adjustable Sprinkler	340.55



## Irrigation Controllers & Solenoid Valves



### Rain Bird ESP-ME3 Modular Wi-Fi Compatible Irrigation Controller

America's favorite modular controller, the ESP-Modular is now Wi-Fi and flow sensor compatible with new design and an enhanced feature set to provide contractors and homeowners with the industry's most flexible irrigation controller solution. The ESP-ME3 Controller supports up to 22 stations, 4 programs and 6 start times. The ESP-ME3 Wi-Fi Compatible Controller provides flexible scheduling features that make the controller ideal for all your irrigation controller needs.

- Program based scheduling allows 4 individual programs with 6 independent start times per program for 24 total start times. Run time range: 1 minute to 6 hours.
- Watering schedule options: By days of week, ODD calendar days, EVEN calendar days, or Cyclic (every 1 – 30 days).
- 4 station base capacity, expandable to 22 stations using hot-swappable 3 or 6-station expansion modules (sold separately below).
- Large LCD display with easy to navigate user interface and dial- Rain sensor input with override capability.
- Non-volatile memory permanently saves the current programming and a 10-year life lithium battery maintains the controller's time and date during power outages.
- One touch manual watering – delay watering up to 14 days.
- 12—Volt input, 24-volt output. Idle/Off power draw 0.06 amps at 120VAC

PART	DESCRIPTION	PRICE (F)
RB-ESP-ME3	4-Zone ESP-ME3 Indoor/Outdoor Controller	CALL



### Rain Bird DV Series 24-Volt Solenoid Valves

- Available in both ¾" and 1" Female NPT ports.
- ¾" Model: 15 – 150 PSI; max flow 22 GPM.
- 1" Model: 15 – 150 PSI; max flow 40 GPM.
- External Bleed for dirt and debris flushing

PART	DESCRIPTION	PRICE (F)
RB-DV075	¾" Solenoid Valve – 22 GPM	45.90
RB-DV100	1" Solenoid Valve – 40 GPM	45.55



### Rain Bird PGA Series 24-Volt Solenoid Valves

- Available in either 1½" and 2" Female NPT ports.
- 15 – 150 PSI; max flow 150 GPM.
- External Bleed for dirt and debris flushing.
- Fabric-reinforced diaphragm for longer life.
- Rugged PVC construction for reliable operation.

PART	DESCRIPTION	PRICE (F)
RB-150PGA	1½" Solenoid Valve	182.15
RB-200PGA	2" Solenoid Valve	255.00



### Rain Sensors

#### Rain-bird RSD-Bex Hard-Wired Sensor

- Automatic rain shut-off prevents overwatering due to natural precipitation.
- Adjusts from ⅛" to ¾" rainfall.
- 25' of wire and mounting bracket included.
- Works with most 24-Volt irrigation controllers.



### Rain Bird LNK Wi-Fi Module

- Converts Rain Bird ESP-Me series controllers to full Wi-Fi capability using either Apple iOS or Android compatible mobile devices with Internet access.
- Plugs into controller accessory port.

PART	DESCRIPTION	PRICE (F)
RB-LNKWIFI	Rain bird Wi-Fi Module	246.85



### Rain Bird 3 or 6 Zone Expansion Modules

- Adds additional stations to Rain Bird controllers.
- Compatible with Rain Bird ESP-Me series irrigation controllers.
- Can be installed in any available slot.

PART	DESCRIPTION	PRICE (F)
RB-ESP-SM3	3-Zone Expansion Module	88.65
RB-ESP-SM6	6-Zone Expansion Module	192.05

### Irritrol RS1000 Wireless Rain Sensor

- 300' + operation range.
- Visual sensor status and alert indicators verify consistent operation.
- Adjusts from ⅛" to ¾" rainfall.
- Compatible with most 24-Volt irrigation controllers.
- 3-year manufacturer's warranty.

PART	DESCRIPTION	PRICE (F)
RB-RSD-BEX	Wired Rain Sensor	58.85
IT-RS1000	Wireless Rain Sensor	156.00



### Rain Bird 3504-PC Rotor

- Greener grass with less water – Rain Curtain™ Nozzles deliver superior performance.
- 15' to 35' radius spray pattern.
- Operating pressure: 25 – 55 psi.
- Discharge: 0.54 – 4.6 GPM.
- Full and part circle adjustment from 40 to 360 degrees.
- ½" FNPT bottom inlet.
- Top-adjust arc with standard flathead screwdriver can reduce spray radius by up to 25%.
- Water-lubricated gear-drive design for durable, reliable operation.
- 6 inter-changeable nozzles.

PART	DESCRIPTION	PRICE (F)
RB-3504PC	15' to 35' 3504-PC Rotor	32.80



### Rain Bird 5004+ SAM Series Rotor

- Unmatched performance for residential to light commercial applications.
- 25' to 50' radius spray pattern.
- Operating pressure: 25 – 65 psi.
- Discharge: 0.73 – 9.63 GPM.
- Full/part circle pattern - 40 to 360°.
- ¾" FNPT bottom inlet.
- Top-adjust arc with standard flathead screwdriver can reduce spray radius by up to 25%.
- Seal-A-Matic (SAM)™ check valve prevents puddling and erosion caused by low head drainage.
- Water-lubricated gear-drive design for durable, reliable operation.
- 12 inter-changeable nozzles.

PART	DESCRIPTION	PRICE (F)
RB-5004PLPCSAM	25' to 50' 5004 Rotor	33.30



### Rain Bird Maxi-Paw Impact Head

- 22' to 45' radius spray pattern.
- Operating pressure: 25 – 60 psi.
- Discharge: 1.5 – 8.4 GPM.
- Full/part circle pattern - 20 to 360°.
- Combo ½" or ¾" FNPT bottom inlet.
- Distance controller diffuser pin.
- Excellent for use in dirty water applications (rivers, ponds).
- 5 inter-changeable (standard) and 2 low-angle (optional) nozzles.

	PSI	RADIUS	GPM
Maxi-Paw Sprinkler w/ Black (#7) Nozzle	25	36'	1.9
	35	38'	2.3
	45	39'	2.5
	55	41'	2.8
	60	41'	2.9

PART	DESCRIPTION	PRICE (F)
MAXIPAW	Maxi-Paw Impact Head	44.20



### Rain Bird Pop-Up Spray Heads

- UV-resistant poly body and riser with stainless steel inner components.
- Ratchet mechanism allows for easy nozzle alignment.
- Stocked in 2" and 4" sizes; 6" and 12" available by special order.
- Operating pressure from 15 – 70 PSI.
- ½" FNPT bottom inlet.
- Nozzles sold separately.

PART	DESCRIPTION	PRICE (F)
RB-1802	2" Pop-up head less nozzle	7.30
RB-1804	4" Pop-up head less nozzle	3.95



### Rain Bird Sprinkler Head Tools

PART	DESCRIPTION	PRICE (F)
RB-5000TOOL	5000 Rotor Series Multi-Tool	4.15
42064	Maxi-Paw Wrench	16.10



### Irrigation Marker Flags

- Use for marking out new irrigation installations, to locate irrigation heads prior to lawn aeration or other yard work and other commercial site work.
- Available in a range of colours; sold in singles or in bundles of 50 (in one colour). Call for available colours and indicate when ordering

PART	DESCRIPTION	PRICE (G)
NFLAG-*	Irrigation Marker Flag – 1's	.45
NFLAG-*,50	Irrigation Marker Flag – 50's	17.10



### Rain Bird Spray Nozzles for 1800 Series Pop-Ups MPR Series Nozzles

- Matched precipitation rates for even watering.
- Available in 5', 8', 10', 12', 15' and 18' radius options

SPRAY PATTERN	MAX. RADIUS	PART NUMBER	PRICE (F)
360° Full Circle	15'	RB-15F-MPR	2.40
270° ¾ Circle	15'	RB-15TQ-MPR	2.40
180° Half Circle	15'	RB-15H-MPR	2.40
90° ¼ Circle	15'	RB-15Q-MPR	2.40

Call for available of sizes and patterns – some special order only.

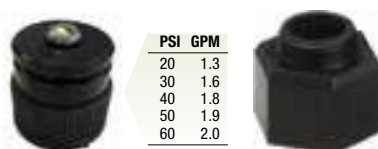
### VAN Series Nozzles

- Variable arc nozzles adjust to fit your pattern needs.
- Manufactured in 4' to 18' radius sizes.

ADJUSTABLE SPRAY PATTERN RANGE	MAX. RADIUS	PART NUMBER	PRICE (F)
0° to 330° Variable	8'	RB-8VAN	2.40
0° to 360° Variable	10'	RB-10VAN	2.40
0° to 360° Variable	12'	RB-12VAN	2.40
0° to 360° Variable	15'	RB-15VAN	2.40

Call for available radius sizes – not all sizes stocked.

We also stock a variety of specialty pattern nozzles including squares, end strip, center strip, & side strip to precisely fit your irrigation plan – call us!



### Plastic Bubbler

PART	PRICE (F)
N7300	2.25

### Nozzle Shrub Adapter

PART	PRICE (G)
RB-PA8S	1.75



### Valve Boxes

PART	DESCRIPTION	PRICE (F)
809	8" Round X 9" Valve Box w/ Lid	CALL
809-C	Lid for 809 Valve Box	CALL
910	10" Round x 10" Valve Box w/ Lid	CALL
910-C	Lid for 910 Valve Box	CALL
1419-6	14" x 19" x 6" Valve Box w/ Lid	CALL
1419-12	14" x 19 x 12" Valve Box w/ Lid	CALL
1419-C	Lid for 1419 Series Valve Boxes	CALL
1220-6	15" x 22" x 6" Valve Box w/ Lid	CALL
1220-12	15" x 22 x 12" Valve Box w/ Lid	CALL
1220-C	Lid for 1220 Series Valve Boxes	CALL

Other sizes available; please inquire.



### Dual Check Backflow Valve

Protects your municipal water source from backflow contamination. Consult your local municipal by-laws for requirements.

- Available in ¾" and 1" Female NPT sizes.
- CSA-Approved.
- Max. temp.: 180°F (82°C); max. pressure: 150 PSI.

PART	DESCRIPTION	PRICE (E)
DUALCHECK3/4	Dual Check Valve ¾"	CALL
DUALCHECK1	Dual Check Valve 1"	CALL



### Irrigation Wire – 24 Volt Direct Burial

- 18-gauge colour-coded, solid strand jacketed wire.
- Also available in 12 strand.

PART	DESCRIPTION	PRICE (F)
WIRE5	5 Strand 24V, 18-gauge Wire /FT.	CALL
WIRE7	7 Strand 24V, 18-gauge Wire /FT.	CALL
WIRE10	10 Strand 24V, 18-gauge Wire /FT.	CALL

NOTE: Copper wire prices subject to change without notice

## Micro and Drip Irrigation

**Potstream™ Mini-Spray Sprinkler/Dripper**

- An innovative solution for watering plant containers of all sizes and shapes.
- Adjustable 4-stream fan spray pattern with a radius of 0.0" (OFF) to 12.4".
- Recommended operating pressure of between 5 and 40 PSI – ideal for a wide range of landscape, nursery, and greenhouse applications.
- Output of between 0.0 (OFF) and 9.7 Gallons / Hour.
- Vertical 0.16" inlet hose barb and sturdy 6" stake.

PART	DESCRIPTION	PRICE (F)
POTSTREAM	Potstream Dripper w/ shut-off	1.70

**Shrubblor® 180° & 360° Adjustable Flow**

- Simple finger-tip cap control for flow adjustment
- Spike for positioning; break-off barb adapter
- Side entry barb (0.16") with up to 36" diameter coverage
- 13 GPH @ 30 PSI with 36" spray pattern

PART	DESCRIPTION	PRICE (F)
SHRUBBLER180	180° Shrubblor w/ Adjustable Flow	1.30
SHRUBBLER360	360° Shrubblor w/ Adjustable Flow	1.30

**Pressure Regulating Micro Manifold**

- 25 psi regulation with 9 pressure controlled outlets
- Each outlet can support drip, micro sprays and/or micro bubblers
- Inlet screen can be removed for cleaning
- Inlet pressure: 20 – 100 psi, outlet pressure: 21 – 28 psi
- Maximum flow per outlet: 23.3 gph
- Inlet base: ½" FNPT; Outlet barb to suit ¼" tubing

PART	DESCRIPTION	PRICE (F)
MANIFOLD	Pressure Regulating Micro Manifold	21.45



ADAPTER-UNF-1/2  
connects UNF-thread  
sprinklers to ½" pipe

**Vari-Jet™ 180° & 90° Adjustable Flow and Throw**

- Integrated valve controls radius and flow volume
- Choice of spray patterns - 180° or 90°
- UV-stabilized materials for long life
- 10-32 UNF thread for installation on rigid riser
- 180°: 10 – 30 psi, 0 – 31 gph, 0 – 10.6' radius
- 90°: 10 – 30 psi, 0 – 31 gph, 0 – 10.3' radius

PART	DESCRIPTION	PRICE (F)
VARIJET180	180° Jet Spray w/ Adjustable Flow	1.65
VARIJET90	90° Jet Spray w/ Adjustable Flow	1.65

**Midi Drip™ Emitter Spike**

- Economical and precise watering of individual containers
- Can be taken apart for servicing and cleaning
- Suitable for landscapes and container-grown plants
- 1 gph @ 15 psi
- .16" barb fitting; spike height 4.9"

PART	DESCRIPTION	PRICE (F)
MIDIDRIP	Midi Drip Emitter Spike w/.16" Barb	1.35

**18" Rigid Riser w/ .16" Barbed Adapter**

- Use in irrigation system w/ UNF-thread micro emitters.
- Can be used w/ Asta® Stake to extend sprinkler height.
- 0.16" hose barb adapter x Female UNF thread.
- UV-stabilized materials for long life.



PART	DESCRIPTION	PRICE (F)
RISER18	18" Riser	1.35

**21" Asta® Stake**

- Provides a simple solution to a variety of spray heights in landscape settings.
- 21" stake provides stability with extra height.
- Fits all 0.27" OD vinyl tubing or 0.30" rigid risers.
- UV-stabilized materials.



PART	DESCRIPTION	PRICE (F)
STAKE21	21" Stake	2.90

**12" Micro Pop-Up Sprinkler Body**

- ½" Male NPT bottom inlet.
- 10-32 UNF female thread on pop-up riser.
- 12" static height, 22" fully extended.
- Agricultural, home garden, greenhouse, and landscape uses.
- Shown w/ Antelco Vari-Rotor sprinkler (sold separately).



PART / DESCRIPTION	PRICE (F)
MICROPOPUP12 Riser	9.75



Vari-Flow BARB X BARB



Vari-Flow UNF X UNF

**Vari-Flow™ Shut-Off Valves**

- Flow control valves for low pressure irrigation
- Simple on-off operation and straight through flow
- Operating Pressure: up to 45 PSI at 38° Celsius
- Available with barb x barb or 10-32 UNF x 10-32 UNF threads
- Excellent for use with drippers in landscapes or for hanging basket applications in the greenhouse

PART	DESCRIPTION	PRICE (F)
VARIFLO	Vari-Flow – barb x barb	1.40
VARIFLO-UNF	Vari-Flow – UNF x UNF	1.40





# Landscape Drip Irrigation

**The Drip Mate® Professional and Sprinkler Conversion Kits come complete with instructions and all of the essential micro-drip components needed to install an efficient drip irrigation system. Use in home and landscaped gardens, container plants, nurseries, and flower beds.**

**Even-Spray stocks an extensive selection of drip irrigation supplies from Antelco to help you with your drip irrigation plans.**

## Drip Mate Professional Drip Kit

- Connects directly to a hose tap or can be made to adapt to an existing sprinkler system.
- Constructed from UV-stabilized materials for long life.

### Kit Includes:

- 50 feet of 5/8" Mainline Tubing (0.600 ID.)
- 50 feet of 1/4" tubing.
- 25 Shrubbler 360° Spikes with adjustable flow.
- Snap-On Tap Adapter.
- Snap-On Filter
- Ratchet Clamp
- Figure 8 End Closure (2).



- Goof Plug (rack of 10).
- Key Punch tool.
- Elbow.
- Tee

PART	DESCRIPTION	PRICE (G)
DRIPPROKIT	Drip Mate Pro Professional Drip Kit	63.10

## Drip Mate Conversion Kit

- Easily convert an in-ground sprinkler outlet to a micro-drip system for flower beds and containers.
- Constructed from UV-stabilized materials for long life.

### Kit Includes:

- 9-Outlet pressure regulating Micro manifold with plugs.
- 100 feet of 1/4" tubing.
- 9 Shrubbler 360° Spikes with adjustable flow.

### Drip Mate Conversion Kit Set-Up Tips:

- Do not exceed more than 10 feet of 1/4" tubing or loss of flow will result at head.
- Shrubbler 360° Spike heads have a flow range of 0 to 12 gallons per hour.



PART	DESCRIPTION	PRICE (G)
DRIPCONVKIT	Drip Mate Sprinkler Conversion Kit	49.95



## Mechanical Shut-Off Water Timer

- Automatically turns water OFF.
- 2 functions: timed automatic "OFF"; manual "ON".
- Run time from 1 to 120 minutes.
- No batteries required.
- Female GH Inlet and Male GH Outlet.

PART	DESCRIPTION	PRICE (G)
200GTM	Mechanical Water Timer	20.05



## Micro Fittings, Adapters, and Tools

- Micro fittings with single barb connections
- UV-stabilized materials for long life

PART	DESCRIPTION	PRICE (F)
ADAPTER	.18" Barb X 10-32 UNF-Thread	.25
DRIPCOUPLER	.16" Barb X .16" Barb (hypodermic)	.25
DRIPTEE	.18" Brb X .18" Barb X .18" Barb	.45
GOOFPLUG	Goof Plugs (rack of 10)	.90
JOINER	.18" Barb X .18" Barb	.25
KEYPUNCH	Key Punch Hole Tool	1.40



## Gilmour Dual Zone Electronic Water Timer

- Automatically turns both port ON / OFF.
- Run time of 1 to 360 minutes with programmable start time and rain delay sensor.
- Requires 2 AA batteries (not included).

PART	DESCRIPTION	PRICE (G)
400GTD	Electronic Water Timer – 2 Zone	62.60



## Thin Wall Poly Pipe Fittings – Insert or Compression

- Both style fitting for use with .520" ID / .620 OD and .600" ID / .700" OD thin wall main line poly pipe.

PART	DESCRIPTION	PRICE
<b>Insert Style Fittings</b>		
COUPLING-13MM	Insert Coupling – 13mm	.70
TEE-13MM	Insert Tee – 13mm	1.20
ELBOW-13MM	Insert Elbow – 13mm	.95
MA-13MMX1/2MNPT	13mm Insert x 1/2" MNPT	.85
COUPLING-16MM	Insert Coupling – 16mm	.80
TEE-16MM	Insert Tee – 16mm	1.35
ELBOW-16MM	Insert Elbow – 16mm	1.05
MA-16MMX1/2MNPT	16mm Insert x 1/2" MNPT	.85
<b>Compression Style Fittings</b>		
COMP-COUP-1/2	Coupler – 1/2" / .620 OD	1.25
COMP-TEE-1/2	Tee – 1/2" / .620 OD	1.95
COMP-ELB-1/2	Elbow – 1/2" / .620 OD	1.85
COMP-COUP-5/8	Coupler – 5/8" / .700 OD	1.25
COMP-TEE-5/8	Tee – 5/8" / .700 OD	1.95
COMP-ELB-5/8	Elbow – 5/8" / .700 OD	1.85

## Distribution and Emitter Tubing

- Used for both outdoor or greenhouse irrigation installations.



PART	DESCRIPTION	PRICE
BL-TUBE-0100	Thin Wall Poly Tubing – 100' .520" ID X .620" OD	CALL
BL-TUBE-1000	Thin Wall Poly Tubing – 1000' .520" ID X .620" OD	CALL
POL-1/2X50	1/2" (0.520") ID Thin Wall Poly Pipe – 50' roll	22.10(G)
POL-5/8X50	5/8" (0.600") ID Thin Wall Poly Pipe – 50' roll	25.75(G)
DRIPTUBE.14-FT	1/4" Heavy Duty Drip Tube – 0.14" ID/0.272" OD per FT.	.45(G)
DRIPTUBE.15-100	1/4" Thin Wall Drip Tube – 0.15" ID/0.225" OD 100' roll	19.90(G)
DRIPTUBE.15-50	1/4" Thin Wall Drip Tube – 0.15" ID/0.225" OD 50' roll	12.65(G)
DRIPTUBE.15-FT	1/4" Thin Wall Drip Tube – 0.15" ID/0.225" OD per FT.	.25(G)
DRAMMTUBE-42	42" Long Drip Tube for Greenhouse Use	.40(F)
DRAMMTUBING	0.130" ID / 0.192" OD Drip Tube for Greenhouse per FT.	.25(F)
BLUETUBE	0.075" Blue Dribble Tube for Greenhouse use. per FT.	.25(F)
EYELET	Brass insert eyelet for 0.075" Blue Dribble Tube	.15(K)

## Miracle Punch

- For pipe up to 3/4" outside diameter.



PART	DESCRIPTION	PRICE (F)
PUNCHBW	Miracle Hole Punch	34.20
PUNCH-MICRO	Punch for thin wall pipe – not shown	10.30

## Drip Tape, Distribution Pipe, and Accessories


**P1 Row Crop Irrigation Light Dripper Line by irritec**

Premium light dripper line product with innovative technologies that result in the following benefits to the grower:

- Seamless construction is stronger and more durable.
- P1 is manufactured using the highest quality engineering grade polyresins available on the market today, producing a high strength and abrasion resistant product.
- P1 is made with injection-molded drippers. Molded dripper offer a high degree of plug resistance, lower coefficient of variation, resulting in highly uniform water distribution.
- Outlet flap is standard. Outlet flap protects the emission device and opens under pressure allowing flow and closes on shut down to reduce root intrusion and soil ingestion. With the flap you can feel confident installing P1 in above or below ground applications.
- Integrated inlet filters add additional protection against clogging.
- Recommended filtration: minimum 155-mesh filter screen.
- Outlet spacing: 12 inches.
- Operating pressure: 6 to 32 PSI maximum.
- Output: 0.25 US gallons / hour or 0.40 US gallons per minute / 100 feet of tape @ 10 PSI.
- 5/8" (16 mm) inside diameter; 15-mil wall thickness.




PART	DESCRIPTION	PRICE (K)
P1-4100ROLL	P1 Row Crop Dripper Line – 4100' roll	<b>251.80</b>
P1-1000ROLL	P1 Row Crop Dripper Line – 1000' roll	<b>107.95</b>
P1-500ROLL	P1 Row Crop Dripper Line – 500' roll	<b>65.90</b>

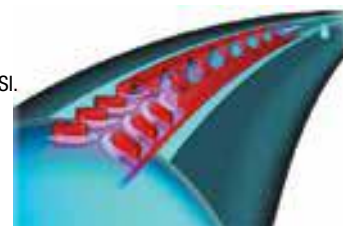
## Aqua-Traxx<sup>®</sup>

with the **PBX Advantage**

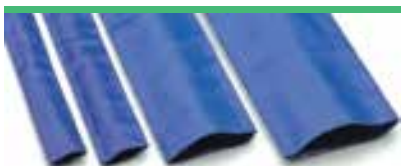
**TORO Aqua-Traxx Drip Irrigation Tape**

Aqua-Traxx with PBX Advantage is the breakthrough result of 30 years of tape research, development, and manufacturing for TORO Ag. Aqua-Traxx has superior strength, durability, uniformity, and reliability. No other tape matches the performance of Aqua-Traxx.

- Accurately delivers water, fertilizer, and chemicals; great for row crop applications.
- Advanced flow path design ensures accurate delivery of water from every emitter.
- Seamless construction provides maximum strength. Premium materials provide ultra-high strength and flexibility.
- Extra large cross-sectional area helps prevent clogging. Laser slit outlet reduces chances of soil ingestion and root intrusion.
- PBX flow path requires only 140-mesh filtration for most flow rates.
- Blue stripes "up" ensures proper outlet placement.
- Outlet spacing: 12 inches.
- Operating pressure: 4 to 15 PSI maximum.
- Output: 0.20 US gallons per hour per emitter or 0.37 US gallons per minute/100 feet of tape @ 10 PSI.
- 5/8" (16 mm) inside diameter; 8-mil wall thickness.



PART	DESCRIPTION	PRICE (K)
RODRIP7500	Aqua-Traxx Drip Tape – 7500' roll	<b>298.95</b>
RODRIP	Aqua-Traxx Drip Tape – per foot	<b>.10</b>

**PVC Lay-Flat Hose**

- A cost-effective option to use for drip tape header lines.

PART	DESCRIPTION	PRICE(F)
PVCL1	1" ID Lay-Flat Hose – 110 PSI	<b>.80</b>
PVCL112	1½" ID Lay-Flat Hose – 65 PSI	<b>.65</b>
PVCL2	2" ID Lay-Flat Hose – 55 PSI	<b>.75</b>

NOTE: Other sizes of Lay-Flat Hose in stock; call for pricing.

**TORO Premium-Grade Oval Pipe**

- Becomes round when pressurized; flattens for storage.
- Suitable for surface or subsurface applications.
- Master roll 300'; sold by the foot.

PART	DESCRIPTION	PRICE(K)
OVAL-1.5-FOOT	Oval Pipe - 1½" ID, 21 PSI	<b>.85</b>

NOTE: Other ID sizes available by special-order; please inquire.

**Air Vent Flush Out Assembly**

- Used on drip irrigation systems with Oval pipe branch / header lines.
- Evacuates air from branch lines and allows for line flushing as needed with installed gate valve.
- Fits 1½" ID Oval Pipe.



PART	DESCRIPTION	PRICE(K)
ARV-1.5	1½" Air Vent/Flush Out Assembly	<b>97.70</b>



# Drip Tape Fittings and Accessories

*Even-Spray stocks a wide assortment of drip irrigation fittings, pipe, drip tape, and related supplies to help you build the system you need, whatever your specific application!*

*If you don't see what you need in our catalogue, please give our office a call at 204-237-9095 or send us an e-mail to: [info@evenspray.com](mailto:info@evenspray.com). We likely have quick access to or may stock what you need!*



## Pressure Regulators – 3/4" M/F Garden Hose Thread w/ Preset PSI

- Fixed pressure; flow 0.1 – 8 GPM.

PART	DESCRIPTION	PRICE(J)
PR15-GHT	15 PSI Regulator	12.85
PR25-GHT	25 PSI Regulator	12.85



## Pressure Regulators – 3/4" M/F NPT Adjustable PSI

PART	DESCRIPTION	PRICE(J)
PRV-075-PY	3/4" 7 – 17 PSI	48.40
PRV-075-PW	3/4" 12 – 35 PSI	48.40



## Pressure Regulator – 1" FNPT Ports; Preset 35 PSI, 2 – 20 GPM

PART	DESCRIPTION	PRICE(J)
PRV1-100-M-35	1" 35 PSI Regulator	29.10

Other PSI models available on an order basis.



## Pressure Regulator – 1 1/2" MNPT w/ Preset 12 PSI Pressure

PART	DESCRIPTION	PRICE(J)
PRV1.5-212	1 1/2" 12 PSI Regulator	81.50

Other PSI models available on an order basis.



## Standard Lay-Flat Hose X Drip Tape Coupler

PART	DESCRIPTION	PRICE(J)
ID-DT58XLF-1	Lay-flat Hose x 5/8" DT - without valve	1.05



## Standard Lay-Flat Hose X Drip Tape Coupler w/ Shut-Off Valve

PART	DESCRIPTION	PRICE(J)
ID-DT58XLF-BV	Lay-flat Hose x 5/8" DT w/ Shut-off	2.50



## Lay-Flat Hose Coupler Install Tools

- Use with above lay-flat hose fittings.

PART	DESCRIPTION	PRICE(J)
ID-B5-CLF14B	Lay-Flat hose hole cutter	114.75
ID-B5-AHW10	Lay-Flat Fitting Install Tool	23.30



## 3/4" and 1 1/2" Y-Strainers – 155-Mesh

- 3/4" Y-Filter available in both NPT and standard Garden Hose Thread.

PART	DESCRIPTION	PRICE(J)
ID-YLS34-155	Y-Strainer – 3/4" MNPT x 3/4" MNPT	10.95
ID-YLS34-150GH	Y-Strainer – 3/4" FGHT x 3/4" MGHT	10.95
ID-YLS1.5-155	Y-Strainer – 1.5" MNPT x 1.5" MNPT	54.95

NOTE: Replacement parts available – please inquire.



## 0.25" Barb x 5/8" Drip Tape Coupler

PART	DESCRIPTION	PRICE(J)
ID-DT58X.25	0.25" Barb x 5/8" DT	.55



## 0.25" Barb x 5/8" Drip Tape Coupler w/ Shut-Off Valve

PART	DESCRIPTION	PRICE(J)
ID-DT58X.25BV	0.25" Barb x 5/8" DT w/ Shut-Off Valve	2.15



## 0.40" Barb x 5/8" Drip Tape Coupler

PART	DESCRIPTION	PRICE(J)
ID-DT58X.40	0.40" Barb x 5/8" DT	.50



## 0.40" Barb x 5/8" Drip Tape Coupler w/ Shut-Off Valve

PART	DESCRIPTION	PRICE(J)
ID-DT58X.40BV	0.40" Barb x 5/8" DT w/ Shut-Off Valve	2.15



## 0.42" Barb x 5/8" Drip Tape Coupler w/ Shut-Off Valve

PART	DESCRIPTION	PRICE(J)
ID-DT58X.42BV	0.42" Barb x 5/8" DT w/ Shut-Off Valve	2.25



## Hole Punch Tools / Goof Plugs

PART	DESCRIPTION	PRICE(J)
ID-HP250	Hole Punch – 0.25"	13.10
ID-HP400	Hole Punch – 0.40"	13.10
ID-PLUG-250	Dual Goof Plug – 4mm X 7mm	.05
ID-PLUG-400	Goof Plug – for 0.400" barb (12mm)	.35
GOOFPLUG (not shown)	Goof Plug – for 0.12" barb (rack of 10 plugs)	.90



## 5/8" X 5/8" Drip Tape Coupler

PART	DESCRIPTION	PRICE(J)
ID-DT58XDT58	5/8" DT x 5/8" DT Coupler	.55



## 5/8" X 5/8" Drip Tape Coupler w/ Shut-Off Valve

PART	DESCRIPTION	PRICE(J)
ID-DT58XDT58BV	5/8" DT x 5/8" DT Coupler w/ Valve	2.15



## 0.50" Male NPT x 5/8" Drip Tape Coupler w/ Shut-Off Valve

PART	DESCRIPTION	PRICE(J)
ID-DT58X.5MPTV	w/ Shut-Off Valve	2.05
ID-DT58X.5MPT	w/o Shut-Off Valve	.85



## 5/8" Drip Tape Tee and Elbow Fittings

PART	DESCRIPTION	PRICE(J)
ID-DT58-TEE	DT Tee Fitting	2.20
ID-DT58-ELBOW	DT Elbow Fitting	2.05



## 5/8" Drip Tape Tee End Sleeve

PART	DESCRIPTION	PRICE(J)
ID-ENDSLEEVE	Drip Tape End Stop	.25



# Irrigation Pipe and Accessories



## Irritec K-Drop Micro Irrigation System

- Ideal for irrigating plants with roots developed in an inert substrate.
- Assembles to allow for distribution to four plants; watering and fertilization is done efficiently.
- Emitter outlet barb for 0.125" ID micro tube.
- Arrow dripper up to 0.69 GPH @ 15 PSI.

PART	DESCRIPTION	PRICE(J)
ID-AID1006	6" Angle Arrow Dripper	.45
ID-WPC8BBN	2 GPH Emitter w/ barb/barrel outlet	.65
ID-MAN4TI	Stackable, Upright 4-Way Manifold	.30
ID-125TUBE-1000	0.125" ID x 1,000' Micro Tube (/ roll)	CALL



## 6" Micro-Tube Locator Stake – 3 MM

- 100 Degree angle bend – inlet barb to 6" tall spike.
- Inlet barb works with both 0.125" and 0.170" tube.

PART	DESCRIPTION	PRICE (F)
ID-MICRODRIP-6	6" Micro Locator Stake	.20



## Asta PC Spike 1 GPH Dripper

Designed for landscape and nursery applications. Targets water where you need it most – at the plant's root zone.

- Pressure Compensating (PC) spike dripper has sealed turbulent flow path and diaphragm to maintain uniform discharge over a wide range of pressures.
- 1 Gallon per Hour flow.
- Operating pressure: 5 – 50 PSI.
- UV Stabilized materials.
- Inlet: 0.16" Barb

PART	DESCRIPTION	PRICE (F)
ASTA-DRIP-1GPH	1 GPH Asta Dripper	1.35



## Thin-Wall Poly Drip Pipe – 3/4" I.D.

Because of the thin-wall nature of this pipe, it is ideal for use as a distribution tube with drip emitters in landscape settings, row garden applications, and overhead irrigation in greenhouses and nurseries.

- 3/4" Nominal inside diameter, nominal wall thickness 0.060", and 0.940" average outer diameter.
- Rated to maximum working pressure of 55 PSI.

PART	DESCRIPTION	PRICE (H)
POLDRIP-34-100	3/4" I.D. X 100' Thin-wall Poly Drip Pipe	CALL
POLDRIP-34-200	3/4" I.D. X 200' Thin-wall Poly Drip Pipe	CALL
POLDRIP-34-400	3/4" I.D. X 400' Thin-wall Poly Drip Pipe	CALL

## 100 PSI Premium-Grade HD Poly Irrigation Pipe

- 100 PSI working pressure @ 23°C; 300 PSI burst strength.

PART	DESCRIPTION	WALL THICKNESS	I.D.	PRICE (H)
POL100-12	1/2" X 100'	0.070"	0.622"	CALL
POL100-12-400	1/2" X 400'	0.070"	0.622"	CALL
POL100-34	3/4" X 100'	0.085"	0.824"	CALL
POL100-34-400	3/4" X 400'	0.085"	0.824"	CALL
POL100-1	1" X 100'	0.108"	1.049"	CALL
POL100-300	1" X 300'	0.108"	1.049"	CALL
POL100-114	1 1/4" X 100'	0.143"	1.380"	CALL
POL100-114-300	1 1/4" X 300'	0.143"	1.380"	CALL
POL100-112	1 1/2" X 100'	0.166"	1.610"	CALL
POL100-112-250	1 1/2" X 250'	0.166"	1.610"	CALL
POL100-2	2" X 100'	0.214"	2.067"	CALL
POL100-2-200	2" X 200'	0.214"	2.067"	CALL



## Big Gulp PRO Manual Water Pump

- Manually pumps water at 12+ Gallons / Minute
- 36" Tall with 72" discharge hose and Mud Guard

PART	DESCRIPTION	PRICE (K)
BIG-GULP-PRO	Big Gulp Pro Manual Water Pump	56.45



PLD Maximum Line Length Chart		0.4 GPH		
Pressure (PSI)	Emitter Spacing Maximum Lateral Length (FT)			
	12"	18"	24"	
15.0	344	475	594	
20.0	479	660	823	
25.0	509	703	879	
30.0	535	742	928	
35.0	584	808	1010	
40.0	627	868	1086	
45.0	646	894	1119	

## Professional Landscape Drip Line

Applies water slowly and evenly for consistent and accurate distribution. Water soaks in gradually, easily reaching the targeted plant root zone. Great for landscape settings or row crop type applications.

- Pressure compensating emitters with built-in check valves ensure balanced flow over all terrain.
- Three choices of emitter spacings – 12", 18", and 24" to meet any type of irrigation application.
- Kink-resistant and flexible – can work in virtually any creative landscape planting design.

PART	DESCRIPTION	PRICE (E)
PLD-12-FOOT	PLD 12" Spacing Drip Line @ 0.4 GPH (250' roll = 100 GPH total volume).	CALL
PLD-18-FOOT	PLD 18" Spacing Drip Line @ 0.4 GPH (250' roll = 67 GPH total volume).	CALL
PLD-24-FOOT	PLD 24" Spacing Drip Line @ 0.4 GPH (250' roll = 50 GPH total volume).	CALL
PLD-MB12	Hose Barb x 1/2" Male NPT Adapter	CALL
PLD-MB34	Hose Barb x 3/4" Male NPT Adapter	CALL
PLD-CPL	Hose Barb x Hose Barb Straight Coupler	CALL
PLD-ELB	Hose Barb x Hose Barb 90° Elbow	CALL
PLD-TEE	Hose Barb x Hose Barb Tee	CALL
PLD-ENDCAP	Drip Line End Cap – removable cap to allow flushing of drip line	CALL
PLD-YLS120	3/4" Y-Strainer w/ Flush Cap – 120-Mesh filter element	CALL

# Underground Sprinkler Components



## Stainless Steel Clamps

PART	MIN.	MAX.	AVERAGE	PRICE (E)
HAS4M	1/4"	5/8"	3/8"	.55
HAS5M	5/16"	7/8"	1/2"	.55
HAS6M	7/16"	7/8"	5/8"	1.55
HAS6	3/8"	3/4"	5/8"	1.10
HAS8	1/2"	1"	3/4"	1.15
HAS10	9/16"	1 1/8"	7/8"	1.20
HAS12	1 1/16"	1 1/4"	1 3/16"	1.20
HAS16	5/8"	1 1/2"	1"	1.25
HAS20	13/16"	1 3/4"	1 1/8"	1.35
HAS24	1 1/16"	2"	1 1/2"	1.35
HAS28	1 7/16"	2 3/8"	1 15/16"	1.40
HAS32	1 9/16"	2 1/2"	2"	1.50
HAS36	1 13/16"	2 3/4"	2 1/4"	1.55
HAS40	2 1/16"	3"	2 1/2"	1.60
HAS44	2 5/16"	3 1/4"	2 13/16"	1.65
HAS52	2 13/16"	3 3/4"	3 3/16"	1.80
HAS64	3 9/16"	4 1/2"	4"	2.00
HAS72	4 1/8"	5"	4 1/2"	2.10
HAS88	5 1/8"	6"	5 1/2"	2.25
HAS96	5 5/8"	6 1/2"	6"	2.35
HAS104	6 1/8"	7"	6 1/2"	2.55



## Brass Gate Valves

PART	SIZE	PRICE (F)
GV012	1/2"	9.15
GV034	3/4"	11.45
GV100	1"	17.05
GV114	1 1/4"	22.70
GV112	1 1/2"	33.25
GV200	2"	47.90
GV300	3"	121.25
GV400	4"	188.95

## Hose Bib Taps

3/4" FNPT x Male GH

PART	SIZE	PRICE (F)
HOSEBIB3/4	3/4"	8.60



## Brass Ball Valves

PART	SIZE	PRICE (F)
BV014	1/4"	4.95
BV038	3/8"	4.80
BV012	1/2"	6.35
BV034	3/4"	9.85
BV100	1"	16.25
BV114	1 1/4"	26.30
BV112	1 1/2"	40.50
BV200	2"	53.40
BV300	3"	174.35
BV400	4"	290.80



## Combination Tee

PART	SIZE	PRICE (E)
CT3412	3/4" x 1/2"	2.20
CT3434	3/4" x 3/4"	2.55
CT112	1" x 1/2"	2.75
CT134	1" x 3/4"	2.85
CT1	1" x 1"	3.00
CT11412	1 1/4" x 1 1/2"	3.75
CT11434	1 1/4" x 3/4"	4.35
CT1141	1 1/4" x 1"	4.40
CT11212	1 1/2" x 1 1/2"	12.95
CT11234	1 1/2" x 3/4"	7.15
CT1121	1 1/2" x 1"	14.55
CT234	2" x 3/4"	8.15



## Insert Coupling

PART	SIZE	PRICE (E)
IC12	1/2"	.80
IC34	3/4"	.90
IC1	1"	.95
IC114	1 1/4"	1.35
IC112	1 1/2"	1.60
IC2	2"	3.00



## PVC Nipples

PART	SIZE	PRICE (E)
PVCN1/212	1/2" x 12"	3.25
PVCN1/218	1/2" x 18"	CALL
PVCN1/224	1/2" x 24"	CALL
PVCN34	3/4" x Close	1.00
PVCN1	1" x Close	1.40
PVCN12C	1 1/2" x Close	1.10

## Oetiker Clamps

PART	DESCRIPTION	PRICE (C)
271	3/4" - Standard	.40
346	1" - Standard	.40



## Crimp Tool

PART	DESCRIPTION	PRICE (F)
CT108	For Oetiker Clamp Installation	17.95



## Insert Tees

PART	SIZE	PRICE (E)
IT12	1/2"	1.00
IT34	3/4"	1.20
IT1	1"	1.50
IT114	1 1/4"	2.00
IT112	1 1/2"	2.95
IT2	2"	4.15

## Reducing Insert Tee

PART	SIZE	PRICE (E)
RT3412	3/4" x 1/2"	1.75
RT112	1" x 1/2"	2.10
RT134	1" x 3/4"	2.10
RT11412	1 1/4" x 1 1/2"	2.60
RT11434	1 1/4" x 3/4"	2.60
RT1141	1 1/4" x 1"	2.60
RT11212	1 1/2" x 1 1/2"	4.50
RT1121	1 1/2" x 1"	4.50
RT11234	1 1/2" x 3/4"	4.50
RT11214	1 1/2" x 1 1/4"	4.50
RT21	2" x 1"	5.50
RT212	2" x 1 1/2"	16.65
RT2114	2" x 1 1/4"	16.20



## PVC Threaded Elbows

PART	SIZE	PRICE (E)
PVCE34	3/4"	3.00
PVCE1	1"	6.40
PVCSE1	1"	5.15



## PVC Threaded Tees

PART	SIZE	PRICE (E)
PVCT34	3/4"	6.00
PVCT1	1"	8.30



## Cut-off Nipples

PART	SIZE	PRICE (E)
CN12	1/2"	1.55
CN34	3/4"	2.45

## Insert Elbow

PART	SIZE	PRICE (E)
IE12	1/2"	.80
IE34	3/4"	.95
IE1	1"	1.05
IE114	1 1/4"	1.35
IE112	1 1/2"	2.25
IE2	2"	3.25

## Male Insert Elbow

PART	SIZE	PRICE (E)
ME12	1/2"	1.10
ME34	3/4"	1.50
ME1	1"	1.95
ME114	1 1/4"	1.10
ME112	1 1/2"	3.70
ME2	2"	7.10



## Combination Elbows

PART	SIZE	PRICE (E)
CE12	1/2" x 1/2"	1.60
CE3412	3/4" x 1/2"	1.65
CE34	3/4" x 3/4"	1.75
CE112	1" x 1/2"	1.55
CE134	1" x 3/4"	1.80
CE11412	1 1/4" x 1 1/2"	6.40
CE11434	1 1/4" x 3/4"	3.00
CE1141	1 1/4" x 1"	5.80
CE1121	1 1/2" x 1"	7.25
CE2112	2" x 1 1/2"	12.80
CE114	1 1/4"	2.90
CE1234	1 1/2" x 3/4"	3.90



## PVC Threaded Couplers

PART	SIZE	PRICE (E)
PVCT12	1/2"	1.05
PVCT34	3/4"	1.95
PVCT1	1"	2.60

## Swing Joint - Male NPT X Male NPT

PART	DESCRIPTION	PRICE (F)
SJ12-6	1/2" X 1/2" X 6" long	2.75
SJ12-12	1/2" X 1/2" X 12" long	3.45
SJ34-6	3/4" X 3/4" X 6" long	2.80
SJ34-12	3/4" X 3/4" X 12" long	4.35

## Bulk Swing Joint Pipe & Fittings

PART	DESCRIPTION	PRICE (F)
RB-SPX FLEX100	Swing Joint Pipe 100' coil	50.05
FPA0500	Straight Barb X 1/2" MNPT	.60
FPA0750	Straight Barb X 3/4" MNPT	.60
FPE0500	Elbow Barb X 1/2" MNPT	.60
FPE0750	Elbow Barb X 3/4" MNPT	.60

## Reducing Insert Coupler

PART	SIZE	PRICE (E)
RI3412	3/4" x 1/2"	.70
RI112	1" x 1/2"	.75
RI134	1" x 3/4"	.75
RI11434	1 1/4" x 3/4"	2.20
RI1141	1 1/4" x 1"	.95
RI11234	1 1/2" x 3/4"	2.65
RI1121	1 1/2" x 1"	2.55
RI12114	1 1/2" x 1 1/4"	1.55
RI21	2" x 1"	3.55
RI2114	2" x 1 1/4"	3.35
RI2112	2" x 1 1/2"	3.20



## Plated Std. Male Coupler

PART	SIZE	PRICE (E)
GMA1/2	1/2"	2.95
GMA3/4	3/4"	3.25
GMA1	1"	3.90
GMA1 1/4	1 1/4"	5.50
GMA1 1/2	1 1/2"	6.45
GMA2	2"	7.95



## Plated Std. Insert Adapter

PART	SIZE	PRICE (E)
GIC1/2	1/2"	2.95
GIC3/4	3/4"	4.05
GIC1	1"	4.30
GIC114	1 1/4"	5.65
GIC112	1 1/2"	6.90
GIC2	2"	9.10
GIC3	3"	19.25
GIC4	4"	30.50



## Reducing Male Adapter

PART	SIZE	PRICE (E)
MA341	3/4" x 1"	2.35
MA134	1" x 3/4"	2.10
MA1141	1 1/4" x 1"	2.85

## Male Adapter

PART	SIZE	PRICE (E)
MA12	1/2"	.55
MA34	3/4"	.60
MA1	1"	.80
MA114	1 1/4"	1.10
MA112	1 1/2"	1.25
MA2	2"	2.25



## Female Insert Adapter

PART	SIZE	PRICE (E)
FA12	1/2"	3.15
FA34	3/4"	3.60
FA1	1"	3.95
FA114	1 1/4"	4.70
FA112	1 1/2"	5.90
FA2	2"	9.95



## Insert Plug

PART	SIZE	PRICE (E)
IP12	1/2"	1.30
IP34	3/4"	1.45
IP1	1"	1.80
IP114	1 1/4"	2.30
IP112	1 1/2"	2.50
IP2	2"	4.40



## Crosses

PART	SIZE	PRICE (E)
ICR34	3/4"	6.35
ICR1	1"	8.10

## Floating Row Cover & Ground Mulch Film

### Agryl & Novagryl Floating Row Covers

Agryl & Novagryl floating row covers are used as reinforcement against brutal conditions such as frost, wind, and insects to protect crops. Agryl & Novagryl floating row covers act as thermal covers to promote early crop growth. For more than 30 years, Fiberweb, the makers of Agryl and Novagryl, have improved grower outcomes in more than 40 countries worldwide.

Available by special order in a range of fabric weights and dimensions to suit your crop application and growing needs. Call for availability and pricing.



**Agryl** is a non-woven row cover without reinforced edges, especially developed for crop protection against pests and bad weather (rain, wind).

#### Advantages:

- An efficient crop protection especially against insects.
- Prevents the laying of eggs and multiplication of larvae.
- Makes the transmissions of viruses by insects impossible (aphids, white flies, etc.).
- An environmentally friendly alternative to chemicals.
- Protects young plantings from bad weather (heavy rain, strong wind) that could lift them off the ground.
- Available in a range of weight sizes from 12 – 22 grams per square meter and roll widths. Call for pricing and availability – special order only.



**Novagryl** is a high-quality floating row cover composed of 3 superimposed layers of nonwoven fabric and is perfectly uniform. It provides the best thermal effect in the world for a crop protection against cold weather.

#### Advantages:

- Better thermal quality than any other floating row cover
- Increased resistance to bad weather
- Incomparable elongation, recommended for fast growing crops
- Easy to reuse
- Available in a range of weight sizes from 19 – 40 grams per square meter and roll widths. Also available in select weights with reinforced edges.
- Call for pricing and availability – special order only. roll widths. Call for pricing and availability – special order only.

### Even-Spray Ground Mulch Film

Available in both standard plastic and biodegradable options in a variety of roll sizes and material thicknesses, mulch film is used in agriculture and arboriculture to eliminate weeds, warm up the soil, protect against erosion, and avoid fruits and vegetables from being in direct contact with the soil.

Mulches can improve growing conditions for the crop, and thereby improve crop yields, reducing labour costs.



**Bio360 Biodegradable Mulch** has the same mechanical and physical characteristics as the plastic mulch without the negative impact on the environment, and there are no removal, recycling and land fill costs.

Temperature, humidity, and microorganisms in the ground transform **Bio360** into water, carbon dioxide, and biomass. There is no toxic residue left unlike "oxodegradable" films. The master batch pigment mixture used for coloring is also made of **Mater-Bi**. It leaves no toxic residues in the ground and you save on removal, recycling and land fill costs.

#### Bio360 Biodegradable Mulch:

- Eliminates weeds
- Increases soil temperature and allows rapid root growth
- Prevents erosion from water
- Protects fruits and vegetables from direct contact with the ground so the crop remains clean and there are less plant diseases
- Stocked in a 48" x 4000' 0.6 mil thickness roll; also available in a range of roll sizes and different thicknesses from 0.5 to 1.0 millimeters.

PART	DESCRIPTION	PRICE(K)
MULCH-BIO4X4000	Bio360 Mulch 48" x 4000' – 0.6 mil	CALL

## BLACK EMBOSSED PLASTIC MULCH FILM

**Black Embossed Plastic Mulch** films are preferred because they have reduced expansion and contraction under fluctuating temperatures, which can loosen plastic from the bed.

- Eliminates weed growth
- Increases soil temperature and allows rapid root growth
- Prevents erosion from water
- Protects fruits and vegetables from direct contact with the ground so the crop remains clean and there are less plant diseases
- Recommended for row crops such as strawberries, cucumbers, & peppers.
- Stocked in a 48" wide x 4000' 0.9 mil thickness roll; also available by special order in a variety of roll widths and material thicknesses – call us for pricing and availability!

PART	DESCRIPTION	PRICE(K)
MULCH4X4000	Embossed Black Plastic Mulch 48" x 4000' – 0.9 mil	CALL



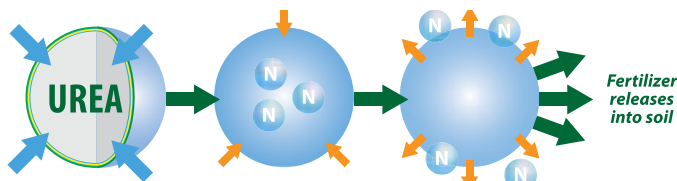
## Golf Course &amp; Landscape Fertilizers

## TPT Controlled-Release Nitrogen by



## How Do They Work? | Are They All The Same?

Conventional water-soluble fertilizer materials (substrates) are given a protective coating or encapsulation (water insoluble, semi-permeable, or impermeable with pores) that controls water penetration and the rate of nutrient dissolution and nutrient release.



\* AAPFCO, The Association of American Plant Food Control Officials tentative

## MOISTURE

- Moisture diffuses into the prill, initiating nutrient release
- Activation is a saturation process
- 6% Soil moisture is enough to activate release

## TEMPERATURE

- Release rates of polymer coated fertilizers respond to temperature
- Release is minimal at temperatures below 10° C
- Release rate increases with increasing temperature

## COATING THICKNESS

- Increasing coating thickness increases longevity of release
- Both initiation and release are affected by coating thickness
- Takes more time for water to move in through pores, and for nutrients to move out

## HOW LONG WILL IT LAST?

TPT is available in three (3) Growing Degree Day coating thicknesses - TPT 900, 1800, & 2400. GDD accumulations are calculated when average daily soil temps. from Environment Canada exceed 0° C.

- **TPT 900** is determined as 80% nutrient release by 900 GDD or about 45 days when average daily temperature is 20° C.
- **TPT 1800** is determined as 80% nutrient release by 1800 GDD or about 90 days when average daily temperature is 20° C.
- **TPT 2400** is determined as 80% nutrient release by 2400 GDD or about 120 days when average daily temperature is 20° C.

Contact your Even-Spray representative for more information on **Turf Fuel G** nitrogen and the **Scotts**-based formulations available.

## BRANDT iHammer



Both **MEGALEX®** and **UPPLAUSE® PLUS** are proprietary foliar formulations that are environmentally-friendly, zero-Phosphorus, and are compatible with most fertilizers, pesticides, adjuvants and plant growth regulators.

Both **iHammer** products are an excellent addition to a liquid or foliar fertilizer program in low light environments and utilize stable sources of Nitrogen that resists soil tie-up.

Count on **BRANDT iHammer** products to help build you stronger, greener, more vibrant turf for optimal course playability.

Ask your Even-Spray representative how Brandt **iHammer** products can be best utilized in your fertilizer program.

**Innovation Without Borders®** - BRANDT iHammer is a joint venture focused on the development of new product technologies that help plants use water and nutrients more efficiently, and enhance photosynthesis, carbon flow, and glycoside sugar utilization within plants. Its products are currently available in the turf, greenhouse, and agricultural markets.



9.46 Litre

**iHammer Megalex® 3-0-0**

- Patented chemistry validated in university and independent trials since 2005.
- Builds strong roots and shoots, increasing root length by as much as 25% and root mass to fight environmental stresses such as drought and heat.
- Enhances water and nutrient uptake by the plant.
- Use as part of a liquid greens program every 14 days at a rate of 3 - 9 oz / 1,000 ft² in 2 - 2.5 USG of water.



9.46 Litre

**iHammer Upplause® Plus 10-0-0**

- Cost effective, patented chemistry for use on tees and fairways.
- University test and validated.
- Proprietary formula allows for rapid uptake of nutrients, reducing evaporation before absorption into plants.
- Reduces impact of environmental stresses and improves overall turf health with rapid greening.
- 3 - 6 oz. / 1,000 ft² every 14 days in 2 - 2.5 USG of water.

## Foliar &amp; Liquid Golf Course Fertilizers



BRANDT



## RESEARCH DRIVEN, PROVEN RESULTS™

For over 25 years, GRIGG has been an innovator in turfgrass nutrition, product development, and research. Their high-quality, science-based products are supported by years of university and independent field testing with published data. Each ingredient in all GRIGG products has its purpose as either a plant nutrient or an ingredient for soil improvement.

Visit [www.GRIGG.co](http://www.GRIGG.co) to learn more.

## QUALITY – PERFORMANCE – COMPATIBILITY

## GRIGG Nutritional Programs

Backed by years of research and field trial work, GRIGG has developed a wide range of easy-to-use, highly-effective, and proven nutritional programs to suit many different climate zones and turfgrass types. Below are three core greens programs – spring, summer, fall – utilizing only three products for each program that can be used as a foundation for your plant health needs.

## SPRING START-UP PROGRAM – Highly Compatible with most Fungicides and Plant Growth Regulators

**Nutra Green 5-10-5** 6 oz. /1,000 ft<sup>2</sup>  
**Ultraplex 4-0-3** 4 oz. /1,000 ft<sup>2</sup>  
**P-K Plus 3-5-17** 6 oz. /1,000 ft<sup>2</sup>

Take cool soil temperatures out of the equation by using **GRIGG** Proven Foliar fertilizers to kick start, recover from winter, and get your greens healthy and ready for play faster in the spring.

**Nutra Green** provides foliar Phosphorus that doesn't get bound in the soil. The proprietary blend of root stimulators, nutrients, and plant and soil wetting agents in **Ultraplex** elevate turf response, while plant health is further enhanced with **P-K Plus**, utilizing Potassium Phosphite and Ammonium Phosphate.

Tank-mix applied in 1 – 2 gallons of water / 1,000 ft<sup>2</sup>.



Nutra Green 5-10-5



Ultraplex 4-0-3



P-K Plus 3-5-17

## SUMMER STRESS PROGRAM – Highly Compatible with most Fungicides and Plant Growth Regulators

**Gary's Green Ultra 14-2-3** 6 – 9 oz. /1,000 ft<sup>2</sup>  
**P-K Plus 3-5-17** 6 oz. /1,000 ft<sup>2</sup>  
**Kelplex 1-2-2** 1.5 oz. /1,000 ft<sup>2</sup>

Get a premium summer Proven Foliar feed program with just three jugs of **GRIGG** product.

**Gary's Green Ultra** is a 3-in-1 product providing foliar N-P-K, a buffering agent, and nutrient uptake elicitor. The Potassium Phosphite in **P-K Plus** improves plant health and resistance to abiotic stress with increased antioxidant production. The foliar-absorbed seaweed extract in **Kelplex** assists in limiting oxidative stress, and improves heat, drought, and salinity stress tolerance.

Tank-mix applied in 1 – 2 gallons of water / 1,000 ft<sup>2</sup>.



Gary's Green Ultra 14-2-3



P-K Plus 3-5-17



Kelplex 1-2-2

## FALL / WINTER PREP PROGRAM – Highly Compatible with most Fungicides and Plant Growth Regulators

**Ultraplex 4-0-3** 3 oz. /1,000 ft<sup>2</sup>  
**P-K Plus 3-5-17** 6 oz. /1,000 ft<sup>2</sup>  
**Carboplex 6-4-4** 6 oz. /1,000 ft<sup>2</sup>

Give your turf the best chance for winter survival by feeding it in the fall with this **GRIGG** tank-mix.

**P-K Plus** provides essential Phosphate and Phosphite to assist in hardening off the turf while setting the stage for enhanced snow mould resistance. Along with the root stimulators, nutrients, and plant and soil wetting agents in **Ultraplex**, the carbohydrate levels in **Carboplex** are essential to turf for winter survival. The combined products provide the plant with micros including Mg, B, Cu, Fe, Mn, Zn, Co, and Mo.

Tank-mix applied in 1 – 2 gallons of water / 1,000 ft<sup>2</sup>.



Ultraplex 4-0-3



P-K Plus 3-5-17



Carboplex 6-4-4



## Foliar & Liquid Golf Course Fertilizers



[www.BRANDT.co](http://www.BRANDT.co)

**BRANDT** is a leading supplier of specialty inputs for the agriculture, turf, ornamental, and lawn and garden markets offering a full line of foliar and soil-applied fertilizers as well as soil-health nutrients and amendments.

**BRANDT** products meet all your agronomic and budget requirements without sacrificing performance and overall plant health. Compatible with fungicides, pesticides, surfactants, PGRs, and other liquid fertilizers.

### BRANDT "Success" Kits – Where Agronomics and Economics Meet

Offering the Golf Course Superintendent simple-to-follow, agronomically-sound, and cost-effective liquid fertilizer programs for golf course greens, the Brandt **Summer Success** and **Bi-Monthly Success** Kits check all the boxes. The carefully selected product mix in each unique program features high performance foliar nutrients and specialty nutritional formulas designed to promote strong root systems and root mass, resulting in improved nutrient and water uptake. This helps your turf withstand summer heat and drought stress as well as regular foot traffic.

#### Summer Success Kit – For Weekly Applications

Product	Cases
Brandt Converge SRN 30-0-0	2
Brandt In-Cyte	1
Brandt Seaweed Max	1
Foli-Cal	3
Manni-Plex Eagle	1
Manni-Plex Mg	1
Manni-Plex Mn	1
Manni-Plex Root Builder	1

**1 Summer Success Kit treats 3 Acres of turf for 1 Month and delivers 0.25 lbs. of N + 0.13 lbs. of K per month.**

#### Bi-Monthly Success Kit – For 2X / Month Applications

Product	Cases
Brandt 20-K	2
Brandt Converge SRN 18-0-6	2
Brandt Converge SRN 30-0-0	4
Brandt MKS	3
Brandt Parco-Root XL	2
Brandt Seaweed Max	2
Foli-Cal	2
Manni-Plex Grow	2

**1 Bi-Monthly Success Kit treats 3 Acres of turf for 3 Months and delivers 0.25 lbs. of N + 0.13 lbs. of K per month.**



**GRIGG** and **BRANDT** each offer a complete line of foliar and soil-applied liquid fertilizers. The technology in each is uniquely different, yet can be used together to create an agronomically sound nutrient program to suit whatever type of turf you are growing. Your Even-Spray representative can help you build the best program to meet your fertility and budget needs.

#### GRIGG Products

Proven Foliar® Nutrients	N-P-K Analysis	Micronutrients
A-O-K Potassium Complex	1-0-24	-
A-O-K Plus Potassium Phosphite	1-0-25	-
Carboplex	6-4-4	Fe, Mn, Zn
Gary's Green	18-3-4	Mg, Cu, Fe, Mn, Zn
Gary's Green Ultra	14-2-3	Mg, Cu, Fe, Mn, Zn
Iron Combo	12-0-0	Fe, Mn, Zn
Kelpex	1-2-2	Fe
Manganese Combo	n/a	Mg, Cu, Mn, Zn
Micro Burst	0-0-1	B, Cu, Fe, Mn, Mo, Zn
Nutra Green	5-10-5	Mg, B, Cu, Fe, Mn, Zn
P-K Plus	3-5-17	B, Co, Mo
Sili-Kal-B	8-0-4	Ca, B
Suprema	12-0-12	Fe, Mn, Zn
Tuff Turf	1-0-14	Mg, Fe
Turftopia	5-0-5	Mn, Mo, Zn
Ultraplex	4-0-3	Mg, B, Cu, Fe, Mn, Zn
Specialty Soil Fertilizers	N-P-K Analysis	Micronutrients
Bi Blend	10-0-0	Ca
Burley Green 33% SRN	18-2-3	-
Displace	9-0-0	Ca
Rhizonify	6-4-4	Fe, Mn, Zn
Pigments	Apply	Water Volume / 1,000 FT²
GreenPIG Ultra	Monthly/As needed	1.15 – 2.3 US Gallons

#### BRANDT Products

Manni-Plex Foliar Nutrients	N-P-K Analysis	Micronutrients
Foli-Cal®	5-0-0	10Ca
Manni-Plex Eagle	7-0-14	Fe, Mn
Manni-Plex Grow	12-0-6	Cu, Fe, Mn
Manni-Plex Mg	5-0-0	4Mg
Manni-Plex Mn	7-0-0	5Mn
Manni-Plex Root Builder	3-0-0	Mg, B, Cu, Mn, Zn
Manni-Plex Total Turf	5-0-0	Mg, Fe, Mn, Zn
Manni-Plex Ultra Turf	4-0-2	Mg, B, Cu, Fe, Mn, Mo
Converge Slow Release	N-P-K Analysis	Micronutrients
Converge SRN18 – 30% SRN	18-3-6	Cu, Fe, Mn, Zn
Converge SRN18-ZP – 30% SRN	18-0-6	Cu, Fe, Mn, Zn
Converge SRN30 – 60% SRN	30-0-0	-
Specialty Liquid Nutrients	N-P-K Analysis	Micronutrients
Brandt 20-K	2-0-20	-
Brandt Flash Dance	1-0-0	5Fe
Brandt MKS	0-0-4	Mg, S
Brandt Parco-Root XL	-	Mg, S, B, Fe, Mn, Mo, Zn
Brandt Supreme Green	12-0-0	Mg, S, Fe, Mn
Humic/Specialty Fertilizers	N-P-K Analysis	Micronutrients
Brandt In-Cyte	3-12-1	1% Humic, 2% Seaweed
Brandt Uptake 12	-	12% Humic Acid
Brandt Seaweed Max	-	25% Seaweed, 1% Humic
Spray Indicators	Apply	Mix Rate
Big Foot™ Blue	As needed	16 oz. /100 USG Water



## Golf Course & Landscape Fertilizers

### Grigg Brothers GreenSpec™ Granular Fertilizers

**GreenSpec™** homogeneous granules were developed in response to customers requests for dry fertilizers that would complement the use of Grigg Brothers® Foliar Fertilizers. The GreenSpec™ line has been engineered using proprietary “protein” nitrogen (N) source technology to deliver superior performance with controlled and lasting colour response and environmental safety and efficient nutrient delivery.

**GreenSpec™** fertilizers have been formulated with purity in mind and do NOT contain any waste products, fillers of any kind, manures, or cheap minerals containing heavy metals.

**Every ingredient has a purpose.**

- Organic, Bio-active Proteins.
- Great Salt Lake Sulphate of Potash – solar evaporated, purest source available.
- Kelp – High in Calcium, minerals, low salt index.
- Humic Acid – high Fulvic to Humic ratio.



#### 16-4-8 Turf Rally Mini Grade

- Nitrogen sources - blood meal, bone meal, and urea.
- Sulphate of Potash K source.
- Micros – 6% Ca, 6% S, 3% Fe, 0.2% Mn, and 0.1% Zn.
- Also contains 3.2% Humic Acid and Kelp.



#### 10-2-4 100% Organic Micro Grade

- Dust-free and disperable formula
- Nitrogen sources – blood meal, soy protein, feather/bone meal.
- Sulphate of Potash K source.
- Micros – 4% Ca, 2% S
- Also contains 3.2% Humic Acid and Kelp.



#### 7-0-14 ZeroPhos + 7% Fe Micro

- Nitrogen sources – blood meal, urea, and ammonium sulphate.
- Sulphate of Potash K source.
- Micros – 7% Ca, 7% S, 7% Fe, 0.3% Mn, and 0.2% Zn.
- Also contains 3.2% Humic Acid and Kelp.

### Custom Blended Granular Turf Fertilizers – To Meet Your Agronomic or Budgetary Needs

Working with industry-leading fertilizer blending partners, Even-Spray can help custom formulate a product to meet your needs.

Utilizing the very best ingredients such as Polyon, **MESA**, **EXPO**, and **TPT**, there is no limit to the range of formulations we can built to your specifications. Please contact your Even-Spray Sales Representative for more information.

### Even-Spray Custom Zero Phosphorus Granular Fertilizers

Even-Spray has developed four custom fertilizer formulations to meet our customers' agronomic needs as the demand to use zero phosphorus products continues. Ideal for use on turfgrass – fairways, sports fields, and landscape settings, these products are blended with the very best nutrient sources including XCU, MESA, and Sulphate of Potash.

Please contact your sales representative or our office for more information on these and other zero or reduced phosphorus fertilizer options.



#### 33-0-11 75% Retention + Iron

- Retention Stabilized Urea Nitrogen.
- Spring and Summer formula.
- 1% Iron for enhanced turf colour.
- 25-Kilo bag covers 18,150 ft² (2.4 bags per acre) on tees, fairways, lawns, and landscaped areas.



#### 28-0-10 50% MESA + Iron

- MESA Nitrogen – Ammonium Sulphate/Methylene Urea homogeneous particle.
- 1% Iron for enhanced colour.
- 22.7-Kilo bag covers 14,000 ft² (3.2 bags per acre) on fairways, lawns, and landscaped areas.



#### 11-0-33 75% Retention + Iron

- Retention Stabilized Urea Nitrogen.
- Late Summer / Fall formula.
- 1% Iron for enhanced turf colour.
- 25-Kilo bag covers 18,150 ft² (2.4 bags per acre) on tees, fairways, lawns, and landscaped areas.



#### 10-0-30 37% MESA + 100% SOP

- MESA Nitrogen – Ammonium Sulphate/Methylene Urea homogeneous particle.
- 100% Sulphate of Potash K
- 22.7-Kilo bag covers 15,000 ft² (2.9 bags per acre) on fairways, lawns, and landscaped areas.

## Golf Course &amp; Landscape Fertilizers

**Lebanon...Improving the Way Professionals Care For Turf**

LebanonTurf is the professional division of Lebanon Seaboard Corporation. With over 60 years of experience, Lebanon is dedicated to supporting its customers through an extensive network of independent dealers and distributors. LebanonTurf is committed to environmental stewardship and has a product line or technology to fit all aspects of the turfgrass industries – Golf Course Superintendents, Property Managers, or Professional Landscapers and Tree care Specialists.

LebanonTurf continues to bring cutting edge technology and products to the market. From the Country Club MD water-dispersible fertilizer line for greens, tees, and other closely mowed turf areas to the long lasting and highly efficient and predictable release of MESA® Ammonium Sulphate/Methylene Urea Nitrogen and EXPO® Nitrogen/Sulphate of Potash, LebanonTurf has the product line to meet your agronomic and budgetary needs.



**MESA**<sup>®</sup>  
Patented Controlled Release Nitrogen

**MESA** is a unique 30-0-0 nitrogen source that combines Ammonium Sulphate with Methylene Urea in a single, homogeneous particle. The result is an extremely efficient and controlled nitrogen source that produces consistent, dark green colour without surge growth. Unlike coated nitrogen technologies, **MESA** does not lose its slow-release properties when cracked, chipped, crushed or broken. **MESA** technology is found in Lebanon's Country Club and ProScape brands.

**expo**

**EXPO** is LebanonTurf's patented, single-particle, extended release Potassium Sulphate technology. **EXPO** is designed to deliver potassium to the turf in a reliable and predictable rate over a longer period of time, well beyond that of the standard Potassium Sulphate found in most fertilizers. Additionally, **EXPO** delivers controlled release nitrogen (derived from Methylene Urea). Each homogeneous particle has an analysis of 20-0-25. **EXPO** is found in Lebanon's Country Club, ProScape, and Woodace brands.

**Country Club**<sup>®</sup> **MD**  
Maximum Dispersion

**The Next Stage in the Evolution of Golf Course Fertilizers**

Country Club MD is a new, innovative fertilizer from LebanonTurf developed to provide superior turf quality and golf course playability. Its unique, highly dispersing homogenous granule technology eliminates mower pick-up and contains sea kelp meal and humic acid to help suppress turf stress. Country Club MD features Meth-Ex slow release, Methylene urea nitrogen and is available in three popular formulations.

**PennMulch**<sup>®</sup>  
Seed Accelerator

**Help Give Grass Seed A Better Start At Life...**

PennMulch Seed Accelerator is pelletized seed establishment mulch comprised of recycled newsprint, starter fertilizer, and Moisture Cell Technology – a patented super-absorbent polymer. It has a wide range of uses and is perfect for golf course superintendents, athletic field managers, irrigation companies, groundskeepers, and other turf and lawn care professionals.

PennMulch Seed Accelerator is the only seed establishment product containing patented Moisture Cell Technology. Comprised of super-absorbent polymers, Moisture Cell Technology can absorb up to 400 times its weight in water, which causes the pellets to expand. As the seedbed dries, the microscopic polymer crystals release water back into the soil, providing the new seedlings with the moisture they need to grow healthy and strong. Though there are a number of look-alike products on the market, university testing shows that none can match the results of PennMulch Seed Accelerator.

- University formulated and Patented – it's in the name!
- Increases turf density to minimize weed outbreak
- Conserves moisture to increase seed establishment
- Complete starter fertilizer included in mulch
- No raking necessary; easy to apply with a drop or certain rotary spreaders.
- Rate: 65 pounds per 1,000 ft<sup>2</sup> applies .65 lb. N, .91 lb. P, and .26 lb K



Straw

PennMulch

## Golf Course &amp; Landscape Fertilizers



*The Andersons offers a full range of premium HIGH-PERFORMANCE fertility and control product solutions to assist Superintendents and Professional Turfgrass Managers in creating and maintaining top quality playing conditions. Performance driven by research, innovation and technology for A+ TURF HEALTH.*

**Nutri DG – Gen 3**

- The latest evolution of the Nutri DG product range – lighter in colour, easy to see and spread.
- 12-3-12 DG is ideal for shoulder season applications, utilizing 100% Ammoniacal Nitrogen.
- Features the Andersons easy-to-apply Dispersing Granule Technology.
- 75 SGN – no particle movement, mower pick-up, or damage from mower.
- 20 kg bag.

**Humic DG**

- Dual carbon sources provide a complete spectrum of beneficial humic substances. 62% Humic Acid.
- Increases soil carbon and plant health.
- Improves germination and viability of seeds.
- Features Andersons easy-to-apply Dispersing Granule Technology.
- 75 and 240 SGN.
- 20 kg bag.

**SmartPhos DG**

- Season-long feeding with high-efficiency Recycled Phosphorus.
- Features Andersons easy-to-apply Dispersing Granule Technology.
- Use SmartPhos DG at half the rate of traditional starter fertilizers and get the same results.
- 75 SGN
- 18.14 kg bag.

**HCU 44-0-0**

- 2% Potassium Humate coated Urea.
- Sprayable & Spreadable - to match your application needs.
- Proven Performance – turf quality and colour.
- Well-suited for fairways, tees, home lawns and landscapes.
- Clean, free-flowing, spherical granules.
- 215 SGN.
- 22.68 kg bag.

*Ask your Even-Spray sales representative about the complete high-performance Andersons product line-up of plant nutrition and protection that can take your turf to the next level. [www.AndersonsPlantNutrition.com](http://www.AndersonsPlantNutrition.com)*

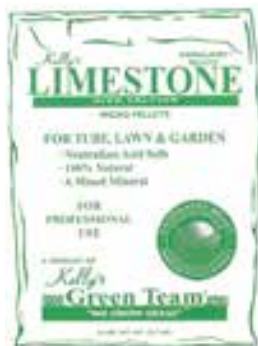
**Kelly's**

Kelly's Capsulated Limestone and Gypsum products help maintain luxurious green turf, plentiful gardens, beautiful trees, and ornamentals. For over 40 years, Kelly Lime & Rock Company has been producing limestone products of the finest quality.

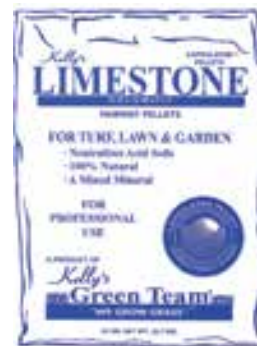
- Mined naturally, Kelly's products are friendly to the environment.
- **Patented water-soluble polymer capsulation** coating process for all Dolomitic lime, Calcitic lime, and Gypsum products.
- Easy to apply, free-flowing, and low-dust granules.
- Gypsum and Calcitic lime available in Micro and Landscape/Fairway grade. Dolomitic lime available in Micro grade only.
- 50-Pound Poly bag

**Kelly's Capsulated Gypsum**

- Loosens clay and compacted soils.
- Restores sodium-affected soils.
- Will not change soil pH.
- Micro and Regular grade available.

**Kelly's High Calcium Limestone**

- Neutralizes soil acidity.
- Supplies Calcium and Magnesium.
- Sustains vigorous green growth.
- Micro and Regular grade available.

**Kelly's Dolomitic Limestone**

- Neutralizes soil acidity.
- Excellent source of Magnesium.
- Secondary source of Calcium.
- Regular grade only available.



## Plant Health Products



### Manage Clipping Yields While Elevating Your Turf To A New Level of Playability

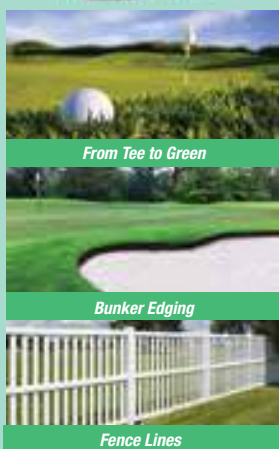
Primo MAXX is a unique management tool that allows golf course superintendents to better manage turfgrass on their courses. It does this by actually altering the way turfgrass grows, resulting in more compact, healthier grass that produces fewer fresh weight clippings by up to 50% and a reduction in grass height of up to 20% for up to four weeks.

#### Benefits in using Primo MAXX:

- Can be used as a pre-stress conditioning tool to prepare turf for summer extremes such as heat and drought.
- Less clipping yields results in a healthier cut – more predictable, consistent playing conditions and better turf wear recovery.
- Reduced wear on equipment, lower labour costs, and reduced fuel consumption.

#### Application Rate for Primo MAXX:

- 4 ml / 100m<sup>2</sup> monthly for Bentgrass.
- 3.78 litre container.
- PCP: 26989



From Tee to Green

Bunker Edging

Fence Lines



### Aquatrols Advantage Plus Seaweed

A convenient supplement to your regular fertility or surfactant program.

**Advantage Plus Seaweed** pellets promotes fast recovery of stressed turf and stimulates root growth leading to healthy, vigorous turfgrass.

Use **Advantage Plus Seaweed** pellets in conjunction with your regular hand watering and syringing to improve overall turf performance. Improved, balanced .01-.01-.03 + 0.2% Iron and Seaweed Extract formula.

- Promotes fast recovery of stressed turf while stimulating root growth.
- Application Rate: One Advantage Plus Seaweed pellet will treat approximately 4 to 6 average-sized greens, watering at a rate of roughly 10 minutes per green.
- One box contains 6 x 226-gram (8 oz.) pellets.
- Easy to use with the PelletPro™ Applicator Gun.



PelletPro™ Applicator Gun



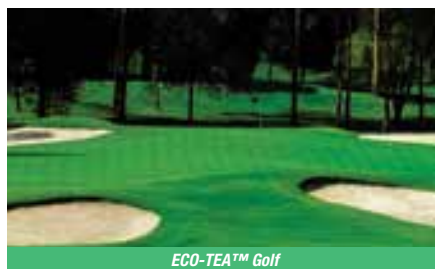
**ECO-TEA™** is a biological soil amendment that helps to build and replenish the beneficial microbial community in soil and plant root systems. The organisms found in **ECO-TEA™** will cause an immediate improvement in root biomass and function, creating a stronger, more vigorous plant. This product is 100% sustainable and contains no human pathogens.

The plant beneficial biology within **ECO-TEA™** will help to decrease stress from pathogenic bacteria, fungi, and some insects – while increasing the effectiveness of fertilizers. This helps plants focus less on producing energy expensive shock proteins and more on biomass production. The added blend of humic, fulvic, long-chain amino acids – Atlantic kelp extract, simple/complex carbohydrates, and enzymes benefit overall plant health.

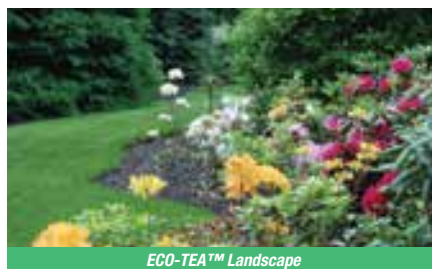
Introducing the newly refined and simplified **ECO-TEA™ HDI** System for Golf courses, Sports Fields, and Landscapes and Residential lawns. The new **HDI** lineup of products is the simpler approach to introducing the benefits of **ECO-TEA™** to your plant health management strategies.

**HDI** gives you the flexibility to mix and apply the products to turf or to maximize the true benefits of **ECO-TEA™** by supercharging the **HDI** concentrate with aeration for 24 hours. This aeration process truly unlocks the potential of what **ECO-TEA™** has to offer your turf.

The **HDI** System offers three different formulations to meet your specific needs – **HDI for Golf Greens and Tees**, **HDI for Fairways**, and **HDI for Sports Fields, Commercial Landscape & Lawn Care**.



ECO-TEA™ Golf



ECO-TEA™ Landscape



### Dry Seed Treatment For Turf Professionals

**EcoTea™ Dry Seed Treatment** is a biological inoculant that will coat the seed with ecologically functional microbes, which will help break seedling dormancy, improve root development, increase nutrient use efficiency, and increase resistance to diseases. This product is sustainable and contains no human pathogens.

- A simple and easy-to-use 2-part product that when combined will treat 200 pounds of grass seed.
- Product can be portioned if using less than 200 pounds of grass seed.
- 2-Litre size

## Professional &amp; Landscape Turfgrass Seed

## Even-Spray Turfgrass Seed – We Help Make All Of Your Seeding Projects A Success!

Whether you are seeding a golf course, athletic field, public greenspace, or residential landscape setting, Even-Spray has the seed variety or blend to meet your specific application needs. With PICKSEED as our primary supplier partner, count on innovative research, developmental efforts, comprehensive quality control processes and an unequalled reputation for outstanding turfgrass performance and consistently high seed quality. Even-Spray is proud to distribute PICKSEED in Manitoba and Northwestern Ontario.

**Bentgrass Varieties for Greens:****Even-Spray Custom Bentgrass Blend**

- Top-quality blend of 777 and Focus – two superior Bentgrass varieties.
- Rapid to very rapid germination: 3 – 5 days (6 – 10 in cooler weather. Aggressive against Poa Annua.
- Specially formulated to improve the overall quality of putting greens.
- Very fine leaf texture; attractive dark green colour.
- Improved resistance to Dollar Spot, Brown Patch, and Snow Mold.
- 25 lb. (11.34 kg.) pail.
- Seeding Rate: 1 – 1½ pounds / 1,000 ft².

**Focus**

- Versatile; can be used for greens, tees, and fairways.
- While producing a dense cover, it is not super aggressive so as to get too “puffy” in growth.
- Medium dark-green colour, with finer leaf texture.
- Overall, disease resistance (including Pink Snow Mold) is excellent as well as being very winter hardy.
- 25 lb. (11.34 kg.) pail.
- Seeding Rate: 1 – 1.5 lbs. / 1,000 ft² for new stands or 2 – 3 lbs. / 1,000 ft² for overseeding / interseeding.

**T-1**

- Remarkable genetic colour - #1 NTEP ranked.
- Aggressive, makes visible gains on Poa Annua each year, heals ball marks and divots quickly.
- Can be used interseeding into existing turf.
- 25 lb. (11.34 kg.) pail.
- Seeding Rate: 1 – 2 lbs. / 1,000 ft². Double rate for interseeding.

**MacKenzie**

- High quality Bentgrass well suited for greens and tees.
- Dark bright green colour, very fine leaf texture.
- Very rapid establishment; competes well against Poa Annua.
- Very high uniformity, disease, and summer stress resistance.
- Wide genetic diversity.
- 25 lb. (11.34 kg.) pail.
- Seeding Rate: 1 – 1½ lbs. / 1,000 ft²

**Pure Select Creeping Bentgrass**

- Striking medium green color; dense, upright growth habit.
- Fast aggressive recovery.
- Exceptional disease resistance.
- Strong heat, cold and wear tolerance.
- Quick spring green-up.
- Exceptional ability to compete against Poa-annua.
- 25 (11.34kg) pail.
- Seeding Rate: 1 – 1.5 lbs. / 1,000 ft²

**Pennncross**

- The most specified bentgrass for putting greens around the world.
- Dark green, uniform color.
- Exceptional heat, cold, and wear tolerance.
- Withstands consistent low cutting heights.
- Excellent recuperative ability from physical damage such as ballmarks.
- 25 lb. (11.34 kg.) bag.
- Seeding Rate: 1½ lbs. / 1,000 ft²

**Tee, Fairway, Rough & Landscape Blends:****Even-Spray Custom Special Overseed Mix**

Custom Ryegrass-free blend for fairway overseeding and new construction.

- 15% Fielder Kentucky Bluegrass
- 20% Blue Velvet Kentucky Bluegrass
- 25% America Kentucky Bluegrass
- 25% Windward Chewings Fescue
- 15% Boreal Creeping Red Fescue
- Seeding Rate: 3 – 4 lbs. / 1,000 ft²

**Even-Spray Custom Tee Mix**

Custom 60/40 mix for tees and divots with no Fescue.

- 60% Fiesta 4 Perennial Ryegrass
- 10% Royal Brand Kentucky Bluegrass
- 10% Langara Kentucky Bluegrass
- 10% Explorer Kentucky Bluegrass
- 10% Blue Velvet Kentucky Bluegrass
- Seeding Rate: 3 – 4 lbs. / 1,000 ft²

**Perfection Fairway Blend**

Features a blend of three popular certified Kentucky Bluegrasses. A perfect choice for overseeding or new construction of fairways and tees. Also, a preferred choice for premium quality home lawns or landscapes.

- 30% SR2100 Kentucky Bluegrass
- 25% Boreal Creeping Red Fescue
- 20% Fielder Kentucky Bluegrass
- 15% Mercury Kentucky Bluegrass
- 10% Fiesta 4 Perennial Ryegrass
- Seeding Rate: 3 – 4 lbs. / 1,000 ft²

**Even-Spray Custom Divot Mix**

Quality mix for repairing divots on fairways and tees.

- 40% America Kentucky Bluegrass
- 30% Boreal Creeping Red Fescue
- 30% Fiesta 4 Perennial Ryegrass
- Seeding Rate: 3 – 4 lbs. / 1,000 ft²

**Even-Spray Custom Naturalized Rough Mix**

Specially formulated for natural and low maintenance areas on golf courses or landscape settings.

- 25% Sheep Fescue
- 30% Windward Chewings Fescue
- 25% Hard Fescue
- 20% Boreal Creeping Red Fescue
- Seeding Rate: 3 – 4 lbs. / 1,000 ft²

**Prairie Green Landscape Mix**

A more shade tolerant all purpose blend ideally suited for high traffic areas or home lawns and landscapes.

- 40% Kentucky Bluegrass
- 40% Creeping Red Fescue
- 20% Perennial Ryegrass
- 10 kg. or 25 kg. bags
- Seeding Rate: 3 – 5 lbs. / 1,000 ft²

Seed blend varieties subject to change based on market availability. Please contact us for our complete seed listing.

Turf Fungicides – Disease Reference Chart

PRODUCT	Banner Maxx	Civitas	Daconil 2787	Heritage Maxx	Instrata	Instrata II	Medallion	Posterity	Secure	Subdue Maxx	Velista	Affirm WDG	Cadence WDG	Disarm	Honor	Insignia Duo	Kabuto 400SC	Maxtima	Phostrol	Premis 200F	Prophesy Dg	Renovo	Rhapsody ASO	Tourney	Xzemplar	Zerotol
Chemical Group #	3	SAR	IM5	11	3/12/IM5	7/12	12	7	29	4	7	19	7	11	7/11	3/11	7	3	33	3	3	1	Bio	3	7	n/a
Anthraxnose	26 51	240 460	95 190	32 63			30 60		16		9 15	27		6 12	18.3 33.3			6.25	130 260	16 32	560 1100		125 250	8.4		190
Brown Patch	51 103	270 540	95 190	32			30 60		16		9 15	27		6 12	16.7 29.8			25		32	1100 2230	42 84	125 250	8.4 11.2		400
Dollar Spot	26 51	250 500	95 190					2.5 5	16		9 15		3.2 5.6	6 12	20 35		12.7 15.9	6.25		16	560 1100	35 42	125 250	8.4 11.2	8.3	40 382
Brown Ring Patch (Formerly "Waitea Patch")	51 103			32 63			30 60					27		6 12	33.6									11.2		
Fairy Ring				63								27			33.6									11.2		
Fusarium Patch	51 103			32 63			30 60	5 10	16					12	29.8			25		32	1100 2230					
Grey Snow Mold	206 206	660 930	240 480	95 125	225 300	67.5						27		12	10.1 20.2	52		25		32	4460			11.2*		64
Leaf Spot	51 103	250 500	95 190	32 63			30 60					27		6 12	18.3						1100 2230					
Melting Out	51 103		95 190	32 63								27		6 12	16.8 33.6						1100 2230					
Pink Snow Mold	206 206	660 930	240 480	95 125	225 300	67.5	60*					27		12	29.8	52		25		32	4460 245	175 245		11.2*		64
Powdery Mildew															16.8 33.6							175 350				
Pythium Blight				63						16 32				12	26.8				130 260							
Pythium Root Rot										16 32					33.3											
Red Thread	51											27			16.8 33.8					16 32	1100					
Summer Patch	103			32 63										6 12	16.8 33.6						2230			11.2		
Take All Patch	64 127			63										12	33.3			12.5								
Yellow Patch	77 103											27									1670 2230					

Rates in grams or mls. per 100m<sup>2</sup>. Red = Control Rate; Black = Preventative Rate. \* = w/ tank-mix partner. Chart intended for reference only – ALWAYS consult product label for rates, intervals, etc. before usage







**Banner MAXX**

- Broad Spectrum Systemic Fungicide.
- Anthracnose, Brown Patch, Brown Ring Patch, Fusarium, Grey/Pink Snow Mould, Summer Patch, Red Thread, and Yellow Patch.
- 3.78 Litre Container (2/case).
- Propiconazole 14.3%.
- PCP: 27003

**Civitas Fungicide**

- Unique mode of action called "Induced Systemic Resistance" – uptake by the plants xylem and phloem.
- Leaf Spot, Grey/Pink Snow Mold, and Dollar Spot.
- Compatible with most fungicides, foliar fertilizers, and Primo MAXX.
- Rate: 250 – 930 ml /100 m<sup>2</sup> mixed with HARMONIZER (included).
- Civitas – 18.9 L; HARMONIZER – 1 L
- PCP: 29825 (Civitas)

**Daconil 2787**

- Broad spectrum emulsible concentrate liquid contact fungicide.
- Anthracnose, Brown Patch, Dollar Spot, Leaf Spot, Pink & Grey Snow Mold.
- Unique "Weather-Stik" formulation.
- Rates vary by disease and disease pressure.
- 10 litre jug.
- PCP: 15724

**Medallion Fungicide**

- Fludioxonil 125 g/L
- Broad-spectrum contact and protective emulsible concentrate fungicide registered for the control and suppression of Anthracnose, Brown Patch, Brown Ring Patch, Fusarium Patch, and Leaf Spot.
- Apply at 14 day intervals; maximum 3 applications per season. AI, XC, and XR spray tips recommended.
- Rate: 60 mls / 100m<sup>2</sup> in 4 to 8 litres of water.
- 3.78 Litre container.
- PCP: 31528

**Posterity Fungicide**

- Broad-spectrum Suspension Concentrate fungicide registered for the control of Dollar Spot and Fusarium (Microdochium) Patch on turf.
- Use at early onset of disease activity or when conditions are favourable for disease activity.
- Pydiflumetofen 200g/L. Group 7 fungicide - succinyl dehydrogenase inhibitor (SDHI) class.
- Dollar Spot Rate: 2.5 – 5 ml/100m<sup>2</sup> every 14-28 days.
- Fusarium Rate: 5 – 10 ml/100m<sup>2</sup> every 21-28 days.
- Apply in 2 – 8 litres of water per 100m<sup>2</sup>.
- 3.1 Litre container.
- PCP: 33019

**Secure Fungicide**

- Multi-Site Suspension Concentrate turf fungicide registered for the control of Dollar Spot, Anthracnose, Brown Patch, and Fusarium (Microdochium) Patch.
- Fluazinam 40% FRAC Group 29 fungicide – low resistance potential.
- Tank-mix partners – Banner Maxx, Heritage Maxx, Velista, and Primo Maxx PGR.
- Rate: 16 ml/100m<sup>2</sup> every 14 days in 2 – 8 litres of water. A 3.78L jug treats over 5 acres of turf!
- 3.78 Litre container.
- PCP: 32991

**Honor**

- Broad-spectrum fungicide registered for control, prevention, or suppression of 16 turfgrass diseases (see label).
- Water-dispersible dual active ingredient granule (WDG) formulation.
- Rate: 10.1 – 33.6 gr/100m<sup>2</sup> in 5 – 15 L water. Consult label for specific rate.
- 1.42 kg container.
- PCP: 32329

**Phostrol Fungicide**

- An extremely systemic and highly unique Phosphite Group 33 fungicide registered for the management of Anthracnose and Pythium Blight in turf.
- Rate: 130-260 ml/100m<sup>2</sup> in 4-20 litres of water every 14 days.
  - 10 L container.
  - PCP: 30449

**Premis 200 F**

- Registered for prevention of Dollar Spot, Brown Patch, Pink/Grey Snow Mold, Fusarium Patch, Rust, Red Thread, and Anthracnose.
- Mix w/ Iprodione for Fusarium Patch, Pink and Grey Snow Mold Control.
- Rate: 16-32 ml/100m<sup>2</sup> in 6-8L water.
- 3.2 L container.
- PCP: 28387

**Prophecy 0.72G Fungicide**

- Granular, broad-spectrum systemic turf fungicide registered for a wide range of diseases. See product label for full list.
- DG Pro water-dispersible technology.
  - Apply with rotary or drop spreader.
  - Rate: Varies; coverage per bag ranges from 807 – 3,214m<sup>2</sup>.
  - 18-kilogram bag.
  - PCP: 29951



## Golf Course Fungicides



### Heritage MAXX

- Broad Spectrum Systemic Fungicide.
- Preventative & Curative properties.
- Brown Patch, Brown Ring Patch, Fusarium, Grey/Pink Snow Mould, Pythium, Summer Patch, and Take-All Patch.
- 3.78 Litre (2/case).
- Azoxystrobin 95 grams/Litre.
- PCP: 28393



### Instrata

- Chlorothalonil 362 g/L, Propiconazole 57 g/L, Fludioxonil 14.5 g/L
- Registered for preventative control of Pink and Grey Snow Mold.
- Systemic and Contact activity.
- 7.1 Litre container.
- PCP: 28861



### Instrata II Fungicide

- Dual-active ingredient, low environmental impact fungicide for prevention of Pink and Grey Snow Mold on fairways, tees, and surrounds.
- Tank-mix with Banner Maxx or Heritage Maxx when treating greens.
- Contains Solatenol and Fludioxonil - contact and systemic activity plus "Weather-Stik" technology.
- Rate: 67.5 ml/100m<sup>2</sup> in 2 – 8 litres of water. One case treats 6 acres of turf.
- Unique dual chamber 7.2L+0.9L bottle.
- PCP: IIA (Fludioxonil) 32712; IIB (Solatenol) 32711.



### Subdue MAXX

- Emulsible concentrate systemic fungicide registered for use on turf to control Pythium Blight and Pythium Damping-Off.
- Rate: 16 – 32 ml/100m<sup>2</sup> every 7 – 14 days. Water volume varies by targeted disease; see label.
- 1 L bottle.
- PCP: 27055



### Velista Fungicide

- Penthiopyrad 50%
- Water-dispersible granular turf fungicide registered for Dollar Spot, Brown Patch, and Anthracnose.
- Can be used preventatively or curatively (please consult label) on specific diseases.
- Rate: 9 – 15 grams in 40 litres of water per 100 m<sup>2</sup>.
- Application Interval: 14 – 21 days.
- 624 Gram container.
- PCP: 30334.



PRODUCT	FRAC Grp.	M.O.A.	EFFICACY
Banner MAXX	3	S	14 - 28
Civitas	n/a	ISR / SAR	14 - 28
Daconil	M	C	7 - 14
Heritage MAXX	11	S	14 - 28
Instrata	12+3+M	C+S	n/a
Instrata II	12+7	C+S	n/a
Medallion	12	C	14
Posterity	7	S	14 - 28
Secure	29	C	14
Subdue MAXX	4	LS	7 - 14
Velista	7	S	14 - 21

S = Systemic  
C = Contact

ISR = Induce Systemic Resistance  
SAR = Systemic Acquired Resistance



### Renovo Fungicide

- A broad-spectrum systemic fungicide registered for the management of Dollar Spot, Brown Patch, Powdery Mildew, and Pink Snow Mould in turf.
- Thiophante-methyl 500 g/L
- Rate: 35-350 ml/100m<sup>2</sup> in 4-20 litres of water every 5 – 21 days (see label).
- 10 L container.
- PCP: 32097



### Tourney Fungicide

- Broad-spectrum systemic turf fungicide registered for Dollar Spot, Anthracnose, Brown Patch, and more.
- Rate: 8.4 – 11.2 grams/100m<sup>2</sup>. See label for specific rate and timing based on targeted disease.
- 2.27 Kg container.
- PCP: 30928



### ZeroTol Algaecide/Fungicide

- Broad-spectrum contact turf algaecide and fungicide to control Brown Patch, Anthracnose, Blue and Green Algae.
- Algae Rate: 100 ml/100m<sup>2</sup>.
- Disease Rate: Varies, consult label.
- 9.46L container.
- PCP: 29508

### OTHER AVAILABLE FUNGICIDES

We have access to or stock a wide range of other turf fungicides including:

- Affirm WDG
- Cadence WDG
- DISARM
- Kabuto 400SC
- Maxtima
- Pinpoint
- QP-Propiconazole
- Rhapsody ASO
- RootShield PLUS WP
- Segway
- Truban 30WP

Please call our office or speak to your Even-Spray rep for product information, availability, and pricing.

## Golf Course Herbicides &amp; Spray Additives

**Par III**

- Selective herbicide for control of a wide range of hard-to-kill broadleaf weeds on turf.
- Commercial strength 3-way blend concentrate.
- Apply by ground application only.
- Boom Spray Rate: 5.5 L/hectare in 300 L of water.
- Spot Spray Rate: 55 ml/3L of water/100 m<sup>2</sup>
- Sizes: 4 L, 10 L, 115 L drum.
- PCP: 27884.

**Roundup Weather Max**

- Contains 540 grams/litre Glyphosate.
- Patented formulation with "Transorb 2" technology begins to speed a lethal dose of weed-killing power directly into the target weed within minutes.
- Broad-spectrum herbicide delivers consistent performance under a wide range of conditions.
- Rate: Varies significantly; see product label.
- 10 L jug.
- PCP: 27487

**Quicksilver Herbicide**

- Controls Silvery-Thread Moss on greens and tees.
- Fast, visible symptom within 7 days of application.
- Very safe for use in an overseeding program.
- Rain-fast within one hour of application.
- Rate: 4.9 ml / 100 m<sup>2</sup> twice, 14 days apart.
- Use with non-ionic surfactant (i.e. Agral 90 or LI700) to improve coverage control.
- 237 ml Squeeze & Pour bottle.
- PCP: 30142

**Big Foot Spray Pattern Indicator**

- Temporary spray pattern indicator for application of pesticides and liquid fertilizers.
- Helps eliminate spray application overlap or misses.
- Can also be used as a visual indicator of spray drift.
- Rate: 16 oz / 100 US Gallons.
- 2.5 US Gallon Jug.

**Super Signal™ Blue Spray Pattern Indicator Concentrate**

- Optimizes spray accuracy resulting in better coverage and reduced spray misses or waste.
- Temporary colour dissipates with moisture or sunlight.
- Concentrated non-toxic formulation.
- Rate: 16-32 oz / 100 US Gallons.
- 2.5 US Gallon (9.46 L) container.

**Signal Green™ Spray Indicator**

- Green spray pattern indicator formulated to provide a temporary enhanced green tint to treated turf.
- Dissipates with moisture or sunlight.
- Environmentally safe.
- 32 – 64 oz / 100 US Gallons.
- 1 US Gallon (3.78L) container.

**Super Spreader Sticker**

- A non-ionic adjuvant which enhances the effectiveness of agricultural and non-crop chemicals.
- Foliage wettability is improved by forming a continuous, uniform film on the leaf surface.
- Works well in both hard and soft water.
- Rate: 1 – 2.5 ml / L of spray solution.
- 3.78 L container.
- PCP: 17402

**Border T&O™ Spray Performance Adjuvant**

- Enhances the performance of fungicides, herbicides, and insecticides by modifying the physical characteristics of the spray droplet – less droplet bounce.
- Conditions the spray solution, improving tank mix partner efficacy.
- Rates vary based on spray pressure – please consult product label.
- 2.5 US Gallon (9.46 L) container.

**LI 700 Surfactant / Spray Enhancer**

- Non-Ionic Penetrating Surfactant.
- Lowers water pH and helps extend the tank-life of herbicide spray solutions.
- Improves spray droplet size and droplet deposition.
- Rates vary: 30 – 500 ml/100 L water.
- 10 Litre Jug
- PCP: 23026

**Incide-Out Liquid Spray Tank Cleaner**

- Formulated to bond pesticide residues to rinse water solution for complete cleaning of spray tank and sprayer components.
- Penetrates Residue build-up.
- Neutralizes organic acids.
- 946 ml container yields 100 US Gallons (378 L) of cleaner solution.

**Breaker**

- Concentrated anti-foaming and de-foaming agent.
- Can be added before or after spray solution has been mixed.
- For use with pesticide spray mixtures.
- 175 ml container.



# Bio-Herbicides

## FIESTA<sup>®</sup> LAWN WEED KILLER

Contains Iron (4.43%) in the form of FeHEDTA, which controls a variety of broadleaf lawn weeds including Dandelion and Clover while being environmentally safe!



**Before** ( Broadleaf weed-infested turf )



**After** ( 44 days later, with 2 applications )

- Kills broadleaf weeds on lawns
- Controls down to the root!
- Derived from iron, which occurs in nature
- Water-based – NO unpleasant odour
- Rain-fast in 3 hours and works in cool weather
- Fast acting – see results in hours!
- Also controls Algae and Moss

- Application rates vary from 372 mls to 1,488 mls of concentrate per 1,000 ft<sup>2</sup> depending on weeds being targeted. Please consult product label for complete information.
- Registered for home lawns and other turfgrass applications.
- Available in 4 litre, 10 litre, and 800 litre sizes.
- PCP: 29535



## FiNALSAN

Finalsan Pro herbicide is a patented fast-acting weed, grass, algae and moss killer. Using a specially formulated, non-staining ammonium soap of fatty acids, Finalsan is a non-selective herbicide that controls or suppresses many common annual, biennial, and perennial weeds. Safe to walk on once treated area is dry.

- For control of moss, annual broadleaf weeds and grasses
- Burns down perennial weeds
- Fast-acting – in as little as a few hours after application
- Rain-fast in 3 hours
- Bio-degradable and non-staining
- Ammonium Soap of Fatty Acids 22.1%
- Mixing rates vary from 55 ml to 200 ml per 1 litre of water depending on targeted weed.
- A 10 litre container of Finalsan treats between 323 and 2,153 ft<sup>2</sup> depending on mixing rate.
- Available in a 10 litre container.
- PCP: 30012



## EcoClear

EcoClear is a highly effective, eco-friendly non-selective herbicide based on a synergistic combination of acetic acid and citric acid. EcoClear gives visible results in just hours and leaves no harmful residues. It is safe to the applicator and the environment.



- For control of annual weeds and suppression of perennial weeds and grasses.
- Fast-acting – works in hours, not days
- Safe for pets once dried.
- Bio-degradable – no accumulation in soil
- Replanting / re-seeding can be done as weed is completely dead
- Early stage rate: 1 litre in 3 litres of water
- Late stage rate: 1 litre in 2.25 litres of water
- Available in a 10L and 200L containers
- PCP: 25528



## Golf Course &amp; Landscape Insecticides

## Turf &amp; Ornamental Insecticide Reference Chart

Product	Commercial Use	Golf Course Use	Residential Use	Structural Use	Ants	Black Turfgrass Ataenius Beetle	Black Turfgrass Ataenius Larvae	Chinch Bug	Cutworm	Leather Jacket	Sod Webworm	White Grub	Ornamental Insects	Mosquitoes
<b>Acelepryn-G</b> <i>NEW!</i>	•	•	•				•	•	•	•	•	•		
<b>Arena 50 WDG</b>	•	•	•					•		•		•		
<b>DeltaGard 20EW</b>	•	•	•											•
<b>DeltaGard SC</b>	•	•	•		•			•	•		•			
<b>Demand CS (not shown)</b>	•	•	•	•	•									
<b>Entrust</b>	•	•	•								•		•	
<b>grubGONE! G</b> <i>NEW!</i>	•	•	•				•					•		
<b>Imidacloprid 75 WSP</b>	•	•	•			•				•				
<b>Pyrate 480 EC</b>	•	•			•			•	•	•	•		•	•

**Acelepryn-G**

- Season-long grub control in a single application on home lawns, golf courses, and commercial turf.
- Controls white grub, cutworm, sod webworm, chinch bug (suppression only), and more.
- Rate: 145gr – 1.125 kg/100m<sup>2</sup>.
- 10 Kilogram bag
- PCP: 33498

**Arena 50 WDG**

- Broad-spectrum, long-term control turf insecticide – 1 app per season!
- Golf course, sod farm, sports field, and residential use approved.
- Rate: 2.5 - 7.0 grams / 100m<sup>2</sup>; up to 11 acres coverage from one bottle.
- 1.13 kg bottle.
- PCP: 29383

**DeltaGard 20EW**

- For adult mosquito control in urban, residential, and recreational areas.
- Must be applied with a vehicle-mounted non-thermal ULV sprayer.
- Not for handheld sprayer use.
- Rate: 25 – 75 ml/Ha. Minimum 3-day intervals, max 10 apps / year.
- 10 Litre jug.
- PCP: 32656

**DeltaGard SC**

- Controls a range of turf insects via contact or by ingestion.
- Golf course, residential, commercial application approved.
- Rate: 12 ml./100m<sup>2</sup> in 6 – 15 L water.
- 1 Litre container.
- PCP: 28791

**Entrust Insecticide**

- For Sod Webworm control in turf on sod farms, home lawns, golf courses.
- Also, for use on certain outdoor ornamentals – consult label.
- Turf Rate: 1 – 2 ml/100m<sup>2</sup> in sufficient water for thorough coverage.
- 1 Litre container.
- PCP: 30382

**grubGONE! G**

- Granular bio-insecticide registered for control of white grubs in home lawns, recreational turf, and ornamental plantings. Consult full label.
- A.I.: *Bacillus thuringiensis* ssp. *Galleriae*
- Used preventatively or curatively.
- Rate: 1.12 – 1.68 kg / 100m<sup>2</sup>.
- 18.14 kg (40 pound) bag.
- PCP: 33319

**Imidacloprid 75 WSP**

- Long-term residual insecticide for control of BTA beetle, etc. on sod farms, sports fields, and golf courses.
- Rate: One 45-gram water-soluble packet treats 1200m<sup>2</sup>.
- 180-gram Pouch (4 x 45-gram WSP).
- PCP: 29130
- Available in granular form – please call.

**Pyrate 480 EC**

- Broad-spectrum turf insecticide registered for ants, chinch bugs, cutworms, sod webworm, and leather jackets on golf courses, sod farms, and industrial sites.
- Rate: 20 – 25 ml/100m<sup>2</sup> in sufficient water for even coverage. See label.
- 10 Litre jug.
- PCP: 23704



# Evergreen Turf Covers and Gandy Turf Equipment



**Evergreen Turf Covers** have been the industry standard, protecting turf since 1985. Trusted by professional turf managers worldwide, all Evergreen Covers feature "Smart Edge" no-fray technology and can be used for over-winter protection, overseeding, or new construction projects. Available in three grades to match your application and budget requirements:

**Evergreen Radiant – Our best cover with an unequaled 12-Year Warranty**

Lab tested and golf course approved, Evergreen's unique Silver weave and lace coating technology results in 25% more heat radiated back to the turf. Air, water, and light permeable.

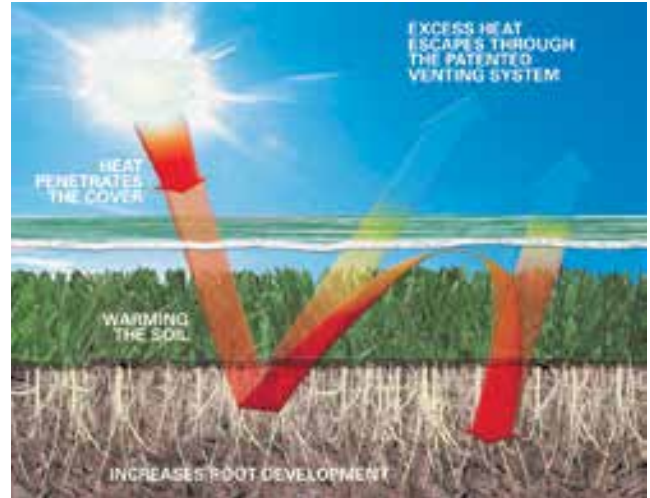
**Evergreen Premium – A Compromise between Value & Performance**

With an expected life of 10 years, Evergreen Premium Green engineered coating comes with a matching 10-year warranty. Permeable technology.

**Evergreen Original – A Versatile Cover at a Tremendous Value**

With an expected life of 5 years, the Original White Evergreen turf cover is non-absorbing or clogging and comes with a 7-year warranty. Permeable.

All Evergreen Permeable Turf Covers include staples and storage bag; available in six standard sizes or can be custom sized to meet your specific needs. Contact your Even-Spray sales representative for more information!



**Evergreen Turf Cover Discs** – Made exclusively for use with turf covers, the Cover Disc protects your investment and extends the life of your cover. UV-treated; 200/box. **Evergreen's High-Visibility Pink staples.** As shown below with Cover Disc. Sold in 1's or by the case of 1,000.



Transportation Mode

Sweep Mode (wheels up)

**Sweep Master® with Manual Lift Kit**

Simply a proven better way to brush! The patent angled double-diamond brushes of the Gandy Sweep Master blends light or heavy top dressing and other turf building materials into the surface of greens, tees and fairways for tops in maintenance and immediate playability. Use on athletic fields and parking lots for a neat, clean, groomed appearance.

PART	DESCRIPTION	PRICE (G)
SWEEPMASTER	Includes Deck, Lift Kit, Brushes	CALL
BRUSH	CTN/8 Replacement Brushes	CALL
BRUSH-C	CTN/8 Soft Replacement Brushes	CALL



**Gandy 36 Spreader**

- Capacity: 1.8 cu. ft.
- Up to 120 lbs.
- Fixed-rate bottoms: Slotted openings from 3/16" to 1 1/2" available (requires spread plate for use).
- Rate gauge: Precision cam gauge, part of rate control slide.
- Shutoff: Handle lever closes slide.
- Wheels: 13" pneumatic.
- Lift handle: Standard
- Rate chart: Furnished

PART	PRICE (G)
GANDY36	CALL



# Spreaders

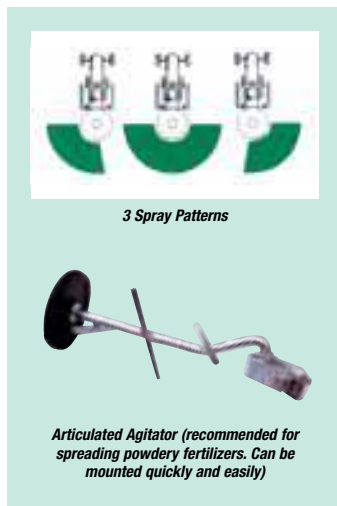


## P500 3-PT. Fertilizer Spreader

Manufactured with high quality materials. All steel components are first degreased, cleaned, and then varnished with espossidic powder and dried at over 200°C. Ideal for spreading fertilizer, salt, sand, or even sowing wheat.

- Agitator included.
- 3-point, Category 1 hitch mounting.
- 992 pound capacity.
- 40' – 45' max. spread width.
- Width: 46"; height: 46".
- Weight: 135 pounds.

PART	DESCRIPTION	PRICE(H)
P500	992 LB. Capacity Spreader	CALL
P500-A	Optional articulated agitator – shown above	CALL
P500-S	Option Sand Kit	CALL
P500-COVER	P500 Hopper Cover	CALL



## Ground Drive Fertilizer Spreader

- Spreading width – 52 feet maximum.
- Floatation tires 20 x 10 x 8.
- 1 1/2" Ball hitch.
- Transmission release.
- Hopper opening by remote cable lever.
- Loading height – 51".
- Hopper capacity – 336 Litres.
- Unit weight – 306 Pounds.

PART	DESCRIPTION	PRICE (G)
PTB560	1000 lb. Spreader	CALL



## Lely WFR Spreader

Land wheel driven, the WFR broadcast spreader utilizes the same patented ejector disc technology as the HR PTO unit (also available). A unique wheel gear system lets the tires drive independently for uniform application, even on turns! Use for spreading fertilizer on golf courses, sports fields, parks, or green areas. Accurate for application of lime, seed, and sand, as well.

- Hopper capacity of 550 lbs. (249 kg.)
- Forward speed of 4.5 mph (7.2 kph) gives an effective spreading width of 52' (16 meters).
- Disengagement for towing, remote rope feed control, and side-spreading adjustment is standard.
- 18 x 9.5 x 8 Flotation tires.
- Spreader shown with optional hopper cover.

PART	DESCRIPTION	PRICE (G)
LELY-WFR	Ground Drive Spreader w/ flotation tires	CALL
LELY-HR	3-Point PTO Drive Spreader	CALL
LELY-COVER	Hopper Cover for Lely WFR and HR Spreaders	CALL

**The  
Industry  
Standard**



#### **AccuPro 2000 Rotary Spreader**

- Large 13" turf saver pneumatic wheels for an easier push.
- Large diameter frame is more durable.
- Patented helical cone for a uniform, consistent spread pattern.
- Lift handles in the front and back for easier loading and unloading.
- Extended handle with tuff-foam grips for added comfort.
- Hopper capacity: 42 litres.
- Spreading width up to 3.5 metres.

PART	DESCRIPTION	PRICE (I)
PRO-ACCUPRO	Spreader	CALL

#### **SR-2000 Rotary Spreader**

- Built with all the features of the AccuPro 2000 plus:
- New and improved larger diameter, stainless steel frame for more durability.
- On-off side deflector provides effective product delivery control.
- Standard port shut-off control for greater application efficiency.
- Hopper capacity: 42 litres.
- Spreading width up to 3.5 metres.

PART	DESCRIPTION	PRICE (I)
PRO-SR2000	Spreader	CALL



#### Chapin 80-lb. Capacity Contractor Turf Fertilizer Spreader

- 80-lb. capacity hopper with enclosed all-metal gear system to withstand the elements, supported by a rugged powder-coated steel frame.
- Compatible with granular fertilizer, seeds, and more with simple gate adjustments.
- Solid steel gate linkage and adjustable rotary gate for spreading a broad range of products.
- Unique spread pattern control allows for precise control of spread pattern.
- Wide tread 12 inch pneumatic tires for stability.
- Finger grip on hopper for balanced lifting.
- Includes rain cover and hopper grate.

PART	DESCRIPTION	PRICE (I)
8301C	Chapin 80-lb. Capacity Contractor Turf Spreader	268.25



#### Chapin 100-lb. Capacity Professional Turf Fertilizer Spreader w/ Stainless Steel Frame

- 100-lb. capacity hopper with enclosed all-metal gear system to withstand the elements. Gear enclosure features grease fitting for easy maintenance.
- Stainless steel frame supports one piece heavy duty hopper.
- Compatible with granular fertilizer, seeds, and more with simple gate adjustments.
- Solid steel gate linkage and adjustable rotary gate for spreading a broad range of products.
- Unique spread pattern control allows for precise control of spread pattern.
- Wide tread 14 inch pneumatic tires for stability.
- Finger grip on hopper for balanced lifting.
- Includes rain cover and hopper grate.

PART	DESCRIPTION	PRICE (I)
8400C	Chapin 100-lb. Capacity Professional Turf Spreader	457.00



Unique Spike Auger

#### Chapin 80-lb. Capacity Professional Ice Melt Spreader

- 80-lb. capacity hopper with enclosed all-metal gear system to withstand the elements; supported by rugged powder-coated steel frame.
- Recommended for use with ice melt.
- Unique spiked auger (pictured) tears apart clumps and improves product flow.
- Adjustable front and side baffle system puts product where you want it.
- Solid Steel gate linkage with adjustable slide gate.
- Wide tread 12 inch pneumatic tires for stability and added traction.
- Includes snow/rain cover and salt hopper grate.

PART	DESCRIPTION	PRICE (I)
82088B	Chapin 80-lb. Capacity Pro Ice Melt Spreader	338.90



#### Chapin SureSpread Professional Bag Spreader / Seeder

- 25-lb. capacity heavy-duty, waterproof, zipper-top bag.
- Compatible with a variety of seeds and granular fertilizers.
- Enclosed gear box for protection from the elements.
- Calibrated flow rate adjuster and easy ON / OFF control.
- Adjustable shoulder strap and convenient application chart included.

PART	DESCRIPTION	PRICE (I)
84700A	Chapin 25-lb. Professional SureSpread Bag Seeder	60.55





## Soil Surfactants & Conditioners

*For over 50 years, Aquatrols has built a global reputation for innovation, reliability, and value by delivering the results you need to achieve success. Now, more than ever, making the best use of water and other resources is essential – and Aquatrols is leading the way. Golf course superintendents worldwide rely on Aquatrols surfactants to optimize soil/water/plant interactions, improve irrigation efficiency, and save water and energy. Find the product below that best suits your needs.*

### PENETRANT

### HYBRID

### RETAINER



**Sixteen90** is a highly-efficient straight block co-polymer penetrant ideal when managing problematic soils high in organic matter or heavy clay. Guaranteed safe protection against water repellency problems while promoting turf uniformity for 90 days. **Sixteen90** outperforms the competition in providing more consistent management of water repellency, and will not “break” under climatic stress or drought conditions like traditional long-term products.

- Monthly Rate: 120 – 180 ml/100m<sup>2</sup> of Sixteen90 in 8 litres of water (4 - 6 fl. Oz./1,000ft<sup>2</sup> in 2 US Gallons of water.).
- 90-Day Rate: 240 ml/100m<sup>2</sup> of Sixteen90 in 10 litres of water (8 fl. Oz./1,000ft<sup>2</sup> in 2.5 US Gallons of water.). Repeat app. in 7 – 10 days.
- Available in 10L jugs and 113.5L drums.



**Dispatch** is a patented technology that maximizes irrigation efficiency by enhancing water penetration, allowing you to save water and energy. This synergistic blend of block co-polymer and polyglycoside surfactants helps **Dispatch** maintain turf performance – reduces leaching, enhances fertilizer efficiency. Low, economical use rates make **Dispatch** ideal for larger area applications such as tees, fairways, surrounds on golf courses and on sports turf such as soccer fields.

- Application Rate: .58 – 1.75 L of Dispatch per Hectare (8 – 24 fl. Oz./ Acre) every 1 – 3 weeks. Rates vary by application intervals.
- Watering in is not required.
- Compatible with most turf chemicals.
- Available in 10L jugs and 113.5L drums.



**Zipline® ST** is a dual-action soil surfactant blend that promotes uniform hydration of soil and delivers consistent results. Specifically designed for turf care professionals, **Zipline ST** is a game-changing formulation engineered to improve water infiltration and deliver balanced hydration. Improves stress tolerance and overall turf quality with excellent LDS prevention AND recovery. **Zipline ST** provides outstanding dew suppression and produces healthy turf resulting in reduced disease pressure.

- Greens Application Rate: Apply 190 to 260 ml/100m<sup>2</sup> (19 to 26L per hectare) on a monthly basis in a minimum of 2 litres water.
- Fairways Application Rate: Apply 6 to 19L per Hectare on a monthly basis.
- Split applications every 14 days will optimize product performance.
- Available in 10L and 113.5L drums.



**Revolution** is not your typical wetting agent. It's the only soil surfactant that can balance air to water ratios in the rootzone under wet or dry conditions. By managing moisture more efficiently, **Revolution** keeps surfaces drier for firmer greens and better playability. This patented Aquatrols formulation gives you consistent control for healthier turf and better playing surfaces all season long.

- Program Rate: 190 ml/100m<sup>2</sup> of Revolution in 8 litres of water (6 fl. Oz./1,000ft<sup>2</sup> in 2 US Gallons of water.) Apply monthly prior to onset of stress conditions. Irrigation should be applied the evening after application to enhance product movement into the soil.
- Available in 10L jugs and 113.5L drums.



**Primer 604** is a high-performance soil surfactant that is the foundation of an effective rootzone management program. It's safe for all turf species, throughout the entire growing season and in all climates. **Primer 604** can help you maintain your greens, tees, and sports turf by managing water repellency – the major contributor to localized dry spot. This matrix flow surfactant is specifically formulated by Aquatrols to establish uniform downward and lateral water flow in the soil profile.

- Maintenance Rate: 125 ml/100m<sup>2</sup> of Primer 604 in 8 litres of water (4 fl. Oz./1,000ft<sup>2</sup> in 2 US Gallons of water.). Apply monthly.
- Recovery Rate: 190 ml/100m<sup>2</sup> of Primer 604 in 8 litres of water (6 fl. Oz./1,000ft<sup>2</sup> in 2 US Gallons of water.).
- Available in 10L jugs and 113.5L drums.



## Liquid &amp; Granular Soil Amendments / Enhancers

**AQUATROLS Blast Sprayable**

An advanced, uniquely safe acid formulation combined with Synergy Technology, a patented and advanced soil surfactant. Blast Sprayable safely dissolves carbonate build-up in the soil, rapidly opening soil pore space for better infiltration and percolation of water. It also frees up bound Calcium, Magnesium, and other bound nutrients.

- Greens Rate: 22 – 44 ml / 1,000 ft<sup>2</sup> in 7.6 Litres of water.
- Fairway Rate: 946 ml – 1.89 litres in 189L (50 US Gallons) of water per acre.
- Apply 1 X / week for 3 weeks and then every 14 days, as needed.
- Irrigate in immediately after applying to move Blast into the soil profile.
- Available in 10L jugs.

**GRIGG™ KELPLEX™ 1-2-2 – 9.46 Litre**

GRIGG™ Kelplex™ contains seaweed extract (Ascophyllum nodosum) in a liquid form which can be used as an excellent component of a summer stress management program.

- Concentrated 75% foliar seaweed extract containing an active source of natural plant growth regulators, Organic and Amino Acids.
- Contains enzymatic and non-enzymatic antioxidants, limiting oxidative stress.
- Improves heat, drought, and salinity stress tolerance.
- Increases primary plant metabolism including photosynthesis and protects cellular membranes.
- Supplement to an existing foliar and granular fertilizer program.
- Apply at a rate of 30 – 60 ml / 1,000 ft<sup>2</sup> every 14 days prior to the onset of stress.

**Brandt Seaweed Max 0-0-2 – 9.45 Litre**

Brandt's Seaweed Max is a concentrated formulation containing 25% seaweed extract derived from Ascophyllum nodosum. Used as an important management tool to enhance plant tolerance to and recovery from abiotic stress, resulting in better turf establishment and overall vigor. The potassium content (Potassium Citrate) helps regulate primary physiological processes that impacts turf response to stress and supports cellular processes. Can be sprayed or applied via deep root injection.

- Derived from Ascophyllum nodosum seaweed and Potassium Citrate.
- Use to combat turfgrass stresses throughout the growing season and during seed establishment.
- Spray Application Rate: 45 – 90 ml / 1,000 ft<sup>2</sup> monthly.
- Deep Root Injection Rate: 1.89 – 3.78 litres in 40 litres of water.

**EVERGREEN BIO INNOVATIONS Granulated Compost 3-1-1 – 18 Kg Bag**

Designed to nourish beneficial soil biology, improve nutrient uptake, refine soil structure, and maximize plant health. It is enhanced with proprietary soil stimulating ingredients providing benefit at any time throughout the growing season.

- Helps increase turf density while improving overall health of turf and soil structure.
- Use for seeding projects, to help reduce summer turf stress, or for cutting / melting ice on golf greens.
- Dried and granulated, this compost is also dust and odor-free, making it clean, effective, and easy-to-apply with a rotary or drop spreader.
- Available in standard 220 SGN and micro 100 SGN prill size to suit all types of turf applications.

**HUTCHESON Green Topdressing & Divot Sand – 50 LB Bags**

Made to meet USGA specifications, Hutcheson's green-dyed topdressing sand can assist in increasing green speed by producing a smoother putting surface. Washed and dried; easy to apply with a rotary spreader without drag matting.

- Provides visually superior divot repairs on tees / fairways and on thin or worn areas on putting surfaces.
- Light application rates help prevent thatch build-up with fewer player interruptions – no matting in eliminates turf abrasion, encouraging turf health.
- Also available – **Early Green** Black Topdressing Sand and **B Natural** non-dyed Topdressing Sand.

**PROFILE POROUS CERAMIC Soil Amendment – 50 LB Bags**

There is a Profile Porous Ceramic particle size for every area on your golf course, whether it is sand-based or native soil, for new construction, renovation, or maintenance. Added to sand or soil, it increases drainage at the same time it increases moisture retention, a result of balancing air and water pore space in the root zone.

A Profile particle is 74% pore space with approximately 39% capillary (water) and 35% non-capillary (air) pores. Available in Greens Grade and Field & Fairway Grade in both "Natural" "Emerald Green" colours to suit your application needs.



- Holds 93% of its weight in water and makes it plant available.
- Drains faster than sand; reduces water usage up to 20%.
- Prevents compaction; eliminates localized dry spots.
- Reduces organic build-up and dries out surface algae.

Common Applications Include:

- Light, frequent topdressing programs.
- Backfill for aerification on putting greens.
- Blended into soil for renovation/construction.



# Safety Equipment and Supplies



**Nitrile Gloves – Durable, 4 mm Thick**  
• Powder-free, black, 100 per box.

PART	DESCRIPTION	PRICE (F)
NITRILE-B-S	Small	CALL
NITRILE-B-M	Medium	CALL
NITRILE-B-L	Large	CALL
NITRILE-B-XL	Extra Large	CALL



**Nitrile Chemical Glove**  
• 100 per box.

PART	DESCRIPTION	PRICE (I)
NITRILE-S	Nitrile – Small	CALL
NITRILE-M	Nitrile – Medium	CALL
NITRILE-L	Nitrile – Large	CALL
NITRILE-XL	Nitrile – X Large	CALL



## Respirators

- Our 100% silicone respirator model is designed for heavy duty while the 400M unit is intended as a disposable unit with a maximum of 30 uses.

PART	DESCRIPTION	PRICE (I)
RESPIRATOR	Complete Respirator – premium 100% silicone.	CALL
RESPIRATOR400M	Complete Respirator – up to 30 Uses	CALL
100M	Silicone Mask Only	CALL
CARTRIDGE	Cartridge – 2-pack	CALL
PREFILTER-2	Pre-Filter – 2 pack.	CALL
RETAINER-2	Pre-Filter Retainer – 2 pack.	CALL

**NOTE: Please contact our office to confirm price & availability of all safety supplies.**



## PVC Gloves

PART	DESCRIPTION	PRICE (I)
GLOVE-PVC	4" PVC Chemical Glove - lined	CALL



## Flexi-Grip Gloves

- Poly/Cotton knit w/ Latex-coated palm and fingers for extra gripping power.
- Great alternative to leather gloves.

PART	DESCRIPTION	PRICE (I)
FLEXIGRIP-*	Flexi-Grip Glove – sizes S to XL	CALL



## Latex Disposable Gloves

- 100 per box.

PART	DESCRIPTION	PRICE (I)
LATEX-S	Latex – Small	CALL
LATEX-M	Latex – Medium	CALL
LATEX-L	Latex – Large	CALL
LATEX-XL	Latex – X Large	CALL



## Soft Seal 31™ Hearing Protection

- Made from super-soft polyurethane foam for maximum comfort and fit.
- NRR 31 dB, CSA Class (AL) – tested at a NVLAP-accredited laboratory.
- 200 loose ear plugs per box.

PART	DESCRIPTION	PRICE (I)
DEN-SOFTSEAL	Ear Plugs – loose, 200/box	CALL



## MicroMAX NS Safety Coverall

- Breathable microporous protection from dirt, grease, grime and light chemical splash.
- Strong, yet economical & lightweight.

PART	DESCRIPTION	PRICE (I)
MICROMAX-L	Large Size	CALL
MICROMAX-1X	XL Size	CALL
MICROMAX-2X	2XL Size	CALL
MICROMAX-3X	3XL Size	CALL



## EnviroGuard Safety Coverall

- SMS fabric technology
- White; 25/case, priced by the unit.

PART	DESCRIPTION	PRICE (I)
SAFE	Coverall w/ Hood – LG	CALL
SAFE-1X	Coverall w/ Hood – XL	CALL
SAFE-2X	Coverall w/ Hood – 2XL	CALL
SAFE-3X	Coverall w/ Hood – 3XL	CALL
SAFE-4X	Coverall w/ Hood – 4XL	CALL



## Full Face Respirator

- Special compression silicone – Universal fit.
- Cartridges, Pre-filters, and Retaining Rings sold separately.

PART	DESCRIPTION	PRICE (I)
DEN-FULLFACE-R	Full Face Respirator	CALL



## Dust Masks

PART	DESCRIPTION	PRICE (I)
DUSTMIST	Mask for Dust/Mist 12/ box	CALL
DUST50	Mask for Dust Only – 50/ box	CALL



## Catalina Safety Glasses

- Catalina series safety glasses available with either clear lens or brown tinted lens.
- Lightweight wraparound design for secure fit and comfort.
- 99.9% UV protection.
- Meets ANSI Z87.1 specifications.

PART	DESCRIPTION	PRICE (I)
DEN-CATALINA-C	Catalina – Clear Glasses	CALL
DEN-CATALINA-B	Catalina – Brown Glasses	CALL



## Vented Goggles

PART	DESCRIPTION	PRICE (I)
DEN-CAMBRIDGE	Goggle	CALL



## Speakman Portable Eyewash Station

- The SE-4300 GRAVITYFLO® portable, gravity operated eyewash station is the next best thing to a plumbed eyewash.
- 20 Gallon capacity exceeds 15 minute run time specified in ANSI Z358.1.
- Wide opening cap for cleaning & filling.
- includes one 8 oz. water preservative.
- Preservative refills sold separately.

PART	DESCRIPTION	PRICE (I)
DEN-EYEWASH	20 USG Portable Eyewash Station	CALL



## Lake & Pond Management Products



*Ask Us About Our Bactri-pond Dosage Calculator*

Bactri-pond consists of multiple environmentally friendly live microbial strains blended with enzymes and a naturally occurring bio-degradable chemical buffering agent. This combination has been specifically formulated to entrap dissolved nutrients (nitrogen and phosphorus) that are associated with the growth of problematic algae.

Easy-to-use "toss-n-go" solupaks makes application a breeze.

- Improves overall water clarity and appearance
- Controls noxious odours
- Impedes the growth and occurrence of problematic algae.
- Naturally degrades organic, suspended, and dissolved solids.
- Non-toxic to fish and wildlife when used at recommended rates.
- Initial "Priming" Rate: 1000 grams /acre foot /week for 2 weeks
- Maintenance Rate: 200 – 500 grams per acre foot per week after initial "priming" applications.
- 5 Kilogram Bag (200 x 25 gram toss-n-go solupaks)
- 500 Gram Bag size for small pond applications (50 x 10 gram toss-n-go solupaks)



### **True Blue Lake and Pond Dye**

- Long-lasting natural blue colour
- Easy-to-use, highly concentrated formula.
- Safe to fish and wildlife.
- Liquid Rate: 946 ml / Acre Foot
- EZ Pak Rate: 1 pak / Acre Foot or 325,000 US Gallons
- 3.78 litre or 6 x 148.8 gram solupaks



### **Jet Black Lake and Pond Dye**

- Imparts a black reflective colour
- Non-toxic to fish and wildlife
- Safe to use in irrigation ponds
- 6 x 148.8 gram solupaks



### **Polydex**

- For use as an algacide in ponds, lagoons, dugouts, and potable water tanks.
- Do not apply to water containing fish without consulting with manufacturer.
- 16 ml./1000 L water=1 PPM of Active Ingredient.
- Rate (Algae Prevention): 1 L of Polydex per 60000 to 600000 L of water.
- 20 L pail.
- PCP: 27770. LICENSE REQUIRED TO PURCHASE.



### **Devour Waste and Sludge Remover**

- Blend of Enzymes and bacteria that accelerate the breakdown of partially decomposed organic matter.
- Reduces need for bottom dredging.
- Maintenance Rate: 680 to 907 grams per acre surface treated
- 6 x 227 gram water-soluble packets



### **Spectrum Nutrient Balancer**

- Proprietary formula of bacteria reduces nutrient levels and suspended organic matter in water improving water clarity and quality.
- Reduces the need for algacides and mechanical harvesting.
- Maintenance Rate: 680 to 907 grams per acre surface treated.
- 6 x 227 gram water-soluble packets



### **Reward Aquatic Herbicide**

- For control of Duckweed, Coontail, Milfoil, and Algae in still or slow-moving water such as dugouts, farm ponds, lakes, and canals
- May be harmful to aquatic wildlife.
- Rate: See label as rates vary.
- 3.78 litre
- PCP: 26271. LICENSE REQUIRED TO PURCHASE.

# Pond Aerators, Fountains, & De-Icers



- Canadian-made Floating Fountains, Floating Aerators, and De-Icers
- A Wide Range of Models to Choose From to Suit Your Needs
- All models carry the Arbrux 2-Year Warranty



## Floating AERATORS

Arbrux floating aerators are the perfect addition to any body of water to improve water quality. All models are available in 1/2, 1, 2 & 3 HP.

Pond aeration adds oxygen to pond water, reducing algae, discouraging water breeding insects such as mosquitoes, and eliminating odour problems usually associated with stagnant water. Arbrux aerators offer an economical and efficient means of keeping any pond crystal clear and healthy.

PART	DESCRIPTION	PRICE (K)
ARB-302060130	½ HP 120V Bellflower Aerator 500GPM c/w 30m cable	<b>CALL</b>



## Floating FOUNTAINS

Whether it is a small pond or a large lake, a beautiful water feature can be installed with exceptional ease. Each Arbrux fountain has a choice of 6 different spray patterns.

The Arbrux line of floating fountains includes 1/2, 1, 2, 3, 5, 7.5 & 10 HP models. These fountains provide a beautiful aesthetic display while aerating the water naturally.

PART	DESCRIPTION	PRICE (K)
ARB-301060130	½ HP 120V Tulip Fountain 70 GPM c/w 30m cable	<b>CALL</b>



## Dock DE-ICERS

Arbrux De-Icers have been proven reliable in harsh Canadian winters. They are inexpensive insurance to help prevent winter ice damage. The De-Icer's high speed propeller brings the warmer, deep water to the surface creating open water. Typically a 1/2 HP Arbrux Limited De-Icer will clear 8 feet in diameter for every foot of propeller depth. In most cases an Arbrux De-Icer placed at a 5 foot depth will keep a 40 foot circle of water ice-free during extremely cold temperatures.

PART	DESCRIPTION	PRICE (K)
ARB-304060115	½ HP 120V De-Icer 500 GPM c/w 15m cable	<b>CALL</b>



## The Vertex Bottom Aeration Advantage

Designed to be both efficient and cost effective, Vertex aeration systems can aerate up to an 18 acre lake with as little as 2/3hp! Very low monthly operation costs, low maintenance (self-cleaning diffusers), and no potentially dangerous electricity in the water.

Vertex bottom aeration systems create a vertical current using the rising force of millions of small bubbles to entrain the water column, "turning the lake over" and allowing oxygen to be absorbed at the lake's surface. By moving the lower-oxygen water up from the bottom and eliminating thermal stratification, oxygen levels throughout the water column are increased.

The Vertex aeration system consists of a small shore mounted air compressor (1/3hp - 1hp), feeding a configuration of self-cleaning flexible membrane diffusers. Positioned on the lake's bottom, each diffuser station produces millions of small 500 - 1000 micron sized bubbles, creating a slow moving current that entrains the entire water column providing aeration through surface contact.

### CoActive AirStations™ Benefits:

- 5-Year "No Questions" Warranty.
- Self-cleaning membrane diffusers = less maintenance; no need to remove.
- More energy efficient = lower operating costs
- Self-weighted tubing = easier installation
- Lifetime rust warranty on QuietAir™ Cabinets

**Let Even-Spray Help Plan the Right Vertex Aeration System to Suit Your Needs!**

PART	DESCRIPTION	PRICE
VER-AIR1+XL2 (Treats up to 2 acre 9' - 20' depth pond)	Air 1+ Aerator c/w 115V Quiet Air 1 cabinet, 2 CoActive XL2 Air Stations, 100' Bottomline weighted tubing	<b>CALL</b>



Vertex Air1+XL2 Pond Aerator System



**#222 Lever and Foot Extraction Hole Cutter**

- Steel alloy construction for light weight and strength.
- Heat-treated cutting blades insure a clean cut hole.
- Hardwood T-handle.
- Available with straight or scalloped cutting blade – \*PLEASE SPECIFY INSIDE OR OUTSIDE BEVEL.
- Replacement blades available separately.

PART	DESCRIPTION	PRICE(K)
222-*	Cup Cutter – Scalloped blade	246.95
223-*	Cup Cutter – Straight blade	246.95
220-IN	Scalloped Blade – inside bevel	53.50
220-OUT	Scalloped Blade – outside bevel	53.50
221-IN	Straight Edge Blade – inside bevel	51.50
221-OUT	Straight Edge Blade – outside bevel	51.50

**#299 Colour-Flex Yardage Stakes**

- Highly visible yet non-intrusive design.
- Highly resilient, permanent coloured flexible material; easily seen from the fairway or rough.
- Sold individually (Specify Blue, Red, White, or Yellow).
- Installation kit includes mallet, auger bit, and extension tube.

PART	DESCRIPTION	PRICE(K)
299*	Colour-Flex Yardage Stake	20.00
299-01*	Replacement Flex Stake	18.00
299KIT	Installation Kit	55.50

**3-Strand Braided Rope**

- 1/4" Diameter; sold in 1000 foot spools
- Available in Black (BK), Green (G), Yellow (Y), and Green/White (GW). Please specify when ordering.
- Can be used with 289 Series Green Rope Stakes.

PART	DESCRIPTION	PRICE (K)
287-**	3-Strand 1/4" x 1000' Rope	54.50
289-18	18" Tall Stake w/ 8" SS spike	11.50
289-24	24" Tall Stake w/ 8" SS spike	12.50

NOTE: 289 Stake prices for GREEN; other colours priced differently.

**#1005 Tube Lock Greens Flags**

- Constructed of 400 denier solar max nylon to resist UV rays and mildew.
- Sewn to molded one-piece plastic tubes.
- Standard colours: yellow, blue, red; others by request.
- Specify flag colour when ordering.

PART	DESCRIPTION	PRICE (K)
1005-T-Blue	Tube Lock-style Greens Flag Blue	11.95
1005-T-Red	Tube Lock-style Greens Flag Red	11.95
1005-T-White	Tube Lock-style Greens Flag White	11.95

**Custom Made Dye-Sublimated Flags!****Why Choose Dye Sublimation Flags?**

- Unlimited Colour and Graphics Choices
- Photo Quality finish on fabric – more durable and more fade resistant than other prints
- 3 Fabric choices to suit your needs and budget – daily use to special events

Contact Us For Complete Details!

**250 Series 6" Tall Greens Cups**

- Available in either durable high-impact ABS Plastic construction or powder-coated, die-cast aluminum.
- High visibility white.

PART	DESCRIPTION	PRICE (K)
250PL-B	ABS Greens Cup – white	10.35
250AL	Aluminum Green Cup – white	27.75

**Cup Accessories**

PART	DESCRIPTION	PRICE (K)
205	Cup Setter – aluminum	58.50
210	1-Prong Cup Puller (not shown)	9.25

**150 Series Hollow Head Sand Trap Rakes**

- Handle available in green (GR) or yellow (YE).
- Fiberglass handle - 7/8" diameter x 51" long.
- Rake head – UV stabilized high density poly.
- Octagon shaped rake head w/ diamond shaped teeth for ease of raking and reverse flat side for smoothing.

PART	DESCRIPTION	PRICE (K)
150**	Hollow Head Sand Trap Rake	20.75

**#700 Ball Washer**

- Aluminum Alloy cast with Stainless Steel and Polymer internal parts.
- Powder-coated finish durable for years.
- Mounts to a 2" pipe.
- Capacity: 0.9 US Gallons (3.4 Litres).
- Available in 7 colours plus custom orders.

PART	DESCRIPTION	PRICE (K)
700BW	#700 Single Golf ball Washer	275.00
701	Base for #700 Ball Washer	135.00
702A	Pipe for #700 Ball Washer 2" x 34"	47.50

**Coco Drag Mats**

- Natural coco fiber offers superb brooming action while effectively filling aeration holes or for turf grooming.
- Fibers will not damage, burn, or bruise tender turf.
- Comes ready to use and made to last.
- Also available in 6' x 5' and 6' x 6' – call for pricing.

PART	DESCRIPTION	PRICE (K)
247-6X4	Coco Drag Mat – 6' x 4'	675.00

**RUST-OLEUM Water-based Turf Marking Paint**

- 100% Water-based easy-clean-up formula is fast drying – less than 5 minutes!
- Produces bright, easy-to-see vivid lines.
- Inverted spray can design with easy-clean locking tip guaranteed not to clog.
- Use on turf, pavement, gravel, and more.
- Sold by the case (12 x 17 oz. Cans)

PART	DESCRIPTION	PRICE(K)
MARKING-W	White Marking Paint 12/cs	72.95
MARKING-R	Red Marking Paint 12/cs	72.95
MARKING-Y	Yellow Marking Paint 12/cs	72.95
MARKING-B	Blue Marking Paint 12/cs	72.95
MARKING-O	Alert Orange Marking Paint 12/cs	72.95



# Golf Course, Landscape, and I.P.M. Tools

## BAYCO



### Aluminum Leaf & Landscaper Rake

Superlight rake is ideal for smoothing, leveling, spreading materials, seeding, and even leaf clean up.

- Available in three rake head widths.
- 66" long handle with rubber end cap.
- Rounded rake tine tips and beveled back edge of blade for smooth grading.
- One piece heavy duty brace riveted to rake head.

PART	DESCRIPTION	PRICE (K)
114AL	24" Landscaper Rake	81.25
115AL	36" Landscaper Rake	92.50
116AL	48" Landscaper Rake	120.00



### ACCUFORM AccuSeed™ Spot Seeder

The Accuform AccuSeed is the perfect spot seeding tool.

- Specially designed Stainless-Steel spikes puncture turf 5/16" deep.
- Ideal seed to soil contact.
- Bentgrass seed filled into housing.
- Seed only released when spring-loaded head compresses.
- Minimal surface impact; little disruption to play.

PART	DESCRIPTION	PRICE (K)
13270	AccuSeed	CALL
13270-20	Replacement Bottom Plate	CALL



### Soil Sampler Tool

- Chrome-plated steel construction
- Side discharge for easy sample removal
- Diameter: 1"; Length: 20"

PART	DESCRIPTION	PRICE (K)
235	Soil Sampling Tool	42.50



### 661 Cup Auger

The Cup Auger is for those who want to go above and beyond the ordinary. Using this tool is the best way to achieve consistent cup depth on every green, no matter who is doing the job. It's as easy as 1-2-3!

1. Cut the new hole with any cup cutter.
2. Insert the Cup Auger and turn until collar rests on turf.
3. Remove Auger and discard removed soil.

PART	DESCRIPTION	PRICE (K)
661	Cup Auger	238.30



### Milona Sod Stripper

The ideal tool for seamlessly repairing hydraulic oil spills or similar damage on putting greens.

- Adjustable depth from 5/8" to 1"
- Includes 2", 3", 5", and 7" blades

PART	DESCRIPTION	PRICE (K)
220	Sod Stripper (4 blades)	521.70



### LiquidPro™ Wetting Agent Applicator Gun

Now, with unmatched speed and uniformity, you can virtually "paint" your turf with liquid wetting agents, fertilizers, and micronutrients – can cover over 1,000 ft² in less than a minute.

- The perfect tool for syringing localized dry spots on greens and tees when using a boom sprayer is impractical.
- Includes the patented Precision™ Cloudburst™ nozzle constructed of aircraft aluminum and stainless steel that delivers up to 48 GPM @ 80 PSI!
- Adjustable and removable metering dial offers 10 additive settings including "water only".
- Comes with a 1" FHT x 3/4" MHT brass adapter - LiquidPro™ works with both 3/4" and 1" hoses.
- Convenient 6-pack refill bottles means more time on the course spraying and less time refilling at the shop. Sold separately.

PART	DESCRIPTION	PRICE (K)
LIQUIDPRO	LiquidPro Applicator Gun with Cloudburst Nozzle	244.80
LIQUIDPRO-6	6-Pack of 946 ml Refill Bottles w/ Carry Tray	108.40
LIQUIDPRO-1	946 ml Refill Bottle Only	10.35



### PelletPro™ Applicator Gun

The PelletPro™ gun is designed to accept all wetting agent and nutrient tablets and provides a powerful, yet ultra-soft spray when watering or applying to tight, hydrophobic soils.

- 48 GPM capability gets the job done faster!
- Ultra Heavy-Duty – brass fittings, aircraft aluminum, stainless steel, and precision engineered glass-filled materials.
- Patented Precision™ Cloudburst™ nozzle delivers large droplets in an outstanding fan pattern.
- PelletPro™ rotates pellets at 1 revolution per second to evenly dissolve/apply wetting agent and nutrient products.

PART	DESCRIPTION	PRICE (K)
PELLETPRO	PelletPro Wetting Agent Applicator Gun	137.60

## Integrated Pest Management Tools



### EXTECH Humidity / Temperature Pen

Pocket-sized combo pen measures air temperature and relative humidity at the same time.

- Humidity 10 to 85% and -10 to 50°C readings range.
- Min/Max memory functions for display of both readings.
- Excellent for use in a greenhouse or outdoor setting such as a golf course.
- Includes LR44 battery and pocket clip.

PART	DESCRIPTION	PRICE (I)
XTECH-44550	Temp/Humidity Pen	CALL



### EXTECH Waterproof Thermometer

Pocket-sized thermometer measures temperatures of solids and liquids.

- 2.75" Stainless Steel probe.
- Switchable ranges from -40 to 200°C or -40 to 392°F.
- Convenient 5.9" long w/ pocket guard.
- Great for use as a soil thermometer in the greenhouse or in the field.
- Includes LR44 battery.

PART	DESCRIPTION	PRICE (I)
XTECH-39240	Thermometer	CALL



### EXTECH Dial Stem Thermometer

5" Stainless Steel probe with 2" dial face digital thermometer.

- Dual temperature ranges from -50 to 300°C or -58 to 572°F.
- Basic accuracy of 1°C or 2°F.
- ON/OFF switch saves battery life; also has auto off after 1 hour of non-use.
- Includes 1.5V battery and protective plastic sheath with pocket clip.

PART	DESCRIPTION	PRICE (I)
XTECH-392050	Thermometer	CALL



### Humidity/Temperature Datalogger

The RHT10 Datalogger with USB connectivity is the must have tool for your IPM reporting needs.

- Datalogs 32,000 readings (16,000 temperature, 16,000 humidity).
- Selectable sampling rate from 2 sec to 24 hour intervals.
- Includes long-life 3.6V Lithium battery and software for Windows® 98, 2000, XP, and Vista.

PART	DESCRIPTION	PRICE (I)
XTECH-RHT10	Datalogger	CALL



### SC-1 Spot On Sprayer Calibrator

Accurately measures the flow rate of spray tips in seconds.

- Helps avoid costly over or under application of chemicals or fertilizers – excellent IPM tool.
- Fast and simple operation – readings in 10 seconds or less per spray tip.
- For flow rates of 1 GPM or less (equivalent to a size "10" spray tip operating @ 40 PSI.)

PART	DESCRIPTION	PRICE (I)
SC-1	Spot On Calibrator	219.95



### Hanna HI98129 pH/Conductivity/TDS Combo Pen

This highly accurate, waterproof pH meter is able to measure EC/TDS in the low range (0 to 3999 µS/cm EC/ 0 to 2000 ppm TDS) and temperature. It also has an easy to read, LCD and an automatic shut-off. In addition, pH and EC/TDS readings are automatically temperature compensated (ATC) to prevent temperature-related variations in your measurements. For EC/TDS readings, the EC/TDS conversion factor (CONV) is selectable by the user, as well as the temperature compensation coefficient β (BETA).

#### FEATURES:

- Waterproof
- Replaceable pH electrode with extractable junction
- The included extendable cloth junction helps increase electrode life and the replaceable pH cartridge means that this tester does not need to be thrown away when the pH sensor is exhausted. The sturdy snap-in connector means there are no pins to bend or break!
- Automatic calibration and temperature compensation.
- Wide pH range – 0.00 to 14.00.
- EC Range – 0 to 3999 µS/cm.
- The graphite conductivity probe provides greater accuracy because it cannot be contaminated by salt deposits in the solution. The exposed temperature sensor provides fast response times and guarantees highly accurate temperature compensated readings.
- Battery % level at startup with low battery indicator.
- Auto-off
- Temperature Range: -5°C to 90°C (23°F to 194°F).
- Replacement pH probe, calibration, cleaning, and storage solutions sold separately.

PART	DESCRIPTION	PRICE
HI-98129	Hanna HI-98129 pH/EC/TDS Combo Pen	CALL
HI-73127	Replacement pH Probe for HI-98129 Combo Pen	CALL
HI-7007	pH 7 Buffer Calibration Solution – 500 ml	21.95
HI-7004	pH 4 Buffer Calibration Solution – 500 ml	21.95
HI-7031	1413 Conductivity Calibration Solution – 500 ml	21.95
HI-7061	Meter Probe Cleaning Solution – 500 ml	21.95
HI-70300	Meter Probe Storage Solution – 500 ml	21.95

## Integrated Pest Management Tools

**Measuring Jugs**

- Calibrated in Milliliters and U.S. Ounces.

PART	DESCRIPTION	PRICE (F)
MEASURE-1	1 Litre Capacity Jug	10.80
MEASURE-2	2 Litre Capacity Jug	12.15

**Rain Gauge**

- Measures up to 5" (127 mm) of rain.
- Poly spike can be post or fence-mounted (hardware not included) or simply inserted into the soil.
- Includes attractive Even-Spray logo!

PART	DESCRIPTION	PRICE (G)
RAINGAUGE	Rain Gauge	9.70

**Wireless Rain Collector w/ Temperature**

- Unit displays cumulative total for past 24 hours or cumulative total for past 7 days.
- Collector can be placed up to 100 feet (30 meters) from the main unit.
- Includes indoor and outdoor wireless thermometers and rain alarm.
- LCD displays rainfall amounts in millimetres.

PART	DESCRIPTION	PRICE (K)
SP-3526WT1	Wireless Rain Collector	142.50

**MIN / MAX Thermometer**

- For measuring minimum, maximum, and present temperature in both °F and °C.
- Mercury filled for best accuracy.
- Ideal for greenhouse use.

PART	DESCRIPTION	PRICE (H)
MINMAX	Min / Max Thermometer	33.15

**SP-6400 Soil Moisture Meter**

- Analog meter measures any type of soil with just one calibration.
- Resistance-type sensor located at tip of 9" stainless steel probe.
- Indicates "0" (dry) to "10" (saturated).

PART	DESCRIPTION	PRICE (K)
SP-6400	Soil Moisture Meter – 9" probe	185.95

**LIGHTSCOUT DLI 100 Light Meters**

- Available in both Greenhouse and Turf versions.
- Measures PAR light; simple one button operation.
- Runs for 24 hours; calculates your Daily Light Integral.
- Displays light intensity every 4 seconds.
- Batter included; water-resistant.

**WM10 Wind Meter**

- Measures wind speed in MPH, KPH, M/S, or knots.
- 0.5 to 67 MPH range.
- Auto OFF feature.
- Water resistant.
- Backlit LCD display.

PART	DESCRIPTION	PRICE (F)
WM10	Wind Meter	79.95

**WM20 Wind/Temperature Meter**

- Dual display – wind speed and temperature or wind chill.
- MPH, KPH, M/S, FT/min, or Beaufort.
- Replaceable plastic impeller.
- Lanyard included; also threaded for tripod use.

PART	DESCRIPTION	PRICE (F)
WM20	Wind/Temperature Meter	137.00



PART	DESCRIPTION	PRICE (K)
SP-3405G	Light Meter - Greenhouse	117.90
SP-3405G3	Light Meter - Greenhouse 3-pack	298.05
SP-3405T	Light Meter - Turf	117.90
SP-3405T3	Light Meter - Turf 3-pack	298.05



## Integrated Pest Management Tools



### FieldScout TDR 350 Soil Moisture Meter

Offering the proven time-domain measurement technology, the TDR 350 accurately measures soil moisture across the full range of soil conditions. Improved ergonomic design provides quick and easy measurements. Validate your cultural practices with hands-free data collection integrated with Bluetooth and GPS.

- Measures soil moisture (Volumetric Water Content), EC, and Turf Surface Temperature (with optional IR sensor).
- Integrated Bluetooth and GPS.
- Transfer data with USB flash drive – no PC connection needed.
- Compatible with SpeConnect and FieldScout Mobile App – works on iOS and Android devices.
- Carry case included. Probes sold in pairs separately.

PART	DESCRIPTION	PRICE(K)
SP-TDR 350	TDR 350 w/case	2025.20
SP-TDR-ROD**	Stainless Steel Probes (Pair) 1.5", 3", 4.8", 8"	CALL
SP-6435TS	Optional Infrared Sensor	405.05



### WatchDog 3617ARS Soil/Air Temperature Station

- Install these mini data logging stations across multiple microclimates to study soil and air temperature trends.
- Logs 4,000 intervals set at 1 - 120 minutes apart.
- Operating Temperature: -30 to 60°C.
- Temperature Range: -40 to 85°C.
- Runs on a single CR2 battery (included) – 12-month life expectancy on battery.
- Ideal for golf course, nursery, and agricultural applications.
- Includes Model A125 Data Logger, External Temperature Sensor, and mini radiation shield.
- Requires the use of SpecWare 9 Pro software and the A-Series PC Connection Cable.

PART	DESCRIPTION	PRICE(K)
SP-3617ARS	Soil/Air Temp Logger Station	363.95

### WatchDog B-Series Button Temp. Data Loggers

Don't let their small size and price fool you!

- Water resistant (IP56) stainless steel case
- Select measurement intervals from 1 to 120 minutes.
- Log either 2000 or 8000 intervals depending on model chosen.
- Range: -40 to 85°C
- Internal sensors.
- Integral non-replaceable battery.
- SpecWare 9 Pro software and B-Series docking station are required.

PART	DESCRIPTION	PRICE(K)
SP-100 2K	Temp. Logger – 2000 intervals	105.70
SP-100 8K	Temp. Logger – 8000 intervals	196.45

### WatchDog Data Logger Software & Accessories

#### SpecWare 9 Pro Software

- Compatible with Windows XP, Vista, and 7.
- Fully customizable reporting or choose from 13 standard versions.
- Choose your units of measurement, and language preferences.
- Free downloadable software updates.
- Use with A and B Series Dataloggers.
- Includes, CD, PC Interface cable, and manual.

**Spectrum Technologies, Inc.**

PART	DESCRIPTION	PRICE(K)
SP-SPEC9PRO	SpecWare 9 Pro Software	269.60
SP-3661A	A-Series PC Cable – USB	40.65
SP-3655K1	B-Series Docking Station - USB	207.30



### FieldScout Direct Soil EC Meter

Instant and accurate direct EC and Temperature measurements.

- Sample directly into ground soils, plug trays, pots, and solutions.
- 0 to 19.9 mS/cm ( $\pm 1\%$  accuracy, 0.01 mS/cm res.)
- Automatic temp. compensation, waterproof.
- Includes carrying case, battery, and EC calibration solution.

PART	DESCRIPTION	PRICE
SP-2265FS	Direct Soil EC Meter	676.00



### FieldScout SoilStik™ pH Meter

Easy-to use, accurate portable meter with flat surface electrode measures pH in soils, semi-solids, solids, and in liquids. Simultaneous display of pH and temperature.

- pH Measurement Range: 0.00 to 14.00
- Temperature Measurement Range: -5°C to 90°C
- Accuracy:  $\pm 0.01$  pH,  $\pm 1^\circ\text{C}$  ( $1.8^\circ\text{F}$ )
- Resolution: 0.01 pH, 0.1°
- Includes protective sensor cap, rinse bottle, two CR2032 batteries, pH 4 & 7 calibration solutions, and soft carry case.

PART	DESCRIPTION	PRICE
SP-2105	SoilStik™ pH Meter	228.95

## Basic Fertilizers, Soil Enhancers, & Micronutrients

*Even-Spray stocks or has available by special order a wide range of basic fertilizers, organic fertilizers, soil enhancers, and micronutrients to meet all of your growing needs. The below listing is just a representation of the products we have available. Call for availability, pricing, or to inquire about any other related product you don't see listed.*

AGRICULTURAL / COARSE GRADE FERTILIZERS – STRAIGHTS & BLENDS			
OUR PART NUMBER	GARANTEE	FERTILIZER DESCRIPTION	UNIT SIZE
0-45-0	0-45-0	Triple Super Phosphate	25 KG
11-52-0	11-52-0	Mono Ammonium Phosphate (MAP)	25 KG
16-20-0	16-20-0-14	Ammonium Phosphate Sulphate	25 KG
12-35-12	12-35-12	Urea / Mono Ammonium Phosphate / Muriate of Potash Blend	25 KG
27-27-0	27-27-0	Urea Phosphate	25 KG
34-17-0	34-17-0	Urea Phosphate	25 KG
19-19-19	19-19-19	Urea / Mono Ammonium Phosphate / Muriate of Potash Blend	25 KG
20-0-0	20-0-0-24	Ammonium Sulphate	25 KG
46-0-0	46-0-0	Urea Nitrogen	25 KG
ESN-44-0-0	ESN-44-0-0	ESN Polymer-Coated Urea Nitrogen	25 KG
8-26-26	8-26-26	Urea / Mono Ammonium Phosphate / Muriate of Potash Blend	25 KG
0-0-60 RED	0-0-60	Muriate of Potash	25 KG

GREENHOUSE GRADE FERTILIZERS - STRAIGHTS			
OUR PART NUMBER	GARANTEE	FERTILIZER DESCRIPTION	UNIT SIZE
0-46-0-FINE	0-46-0	Triple Super Phosphate TSP	25 KG
0-52-34	0-52-34	Mono Potassium Phosphate MKP – (pH 4.2-4.5)	25 KG
PEKACID	0-60-20	PeKacid - Mono Potassium Phosphate/Phosphoric Acid (pH 2.2)	25 KG
GG-46-0-0	46-0-0	Urea – Greenhouse Grade	22.68 KG
MAGNITRATE-25	10-0-0-9.3Mg	Magnesium Nitrate	25 KG
PURECAL-13-0-0	13-0-0	Calcium Nitrate – Ammonia-free 18% Ca	25 KG
15.5-0-0	15.5-0-0	Calcium Nitrate Mini-Prill 19% Ca	25 KG
13.5-0-46-50	13.5-0-46	Potassium Nitrate Crystal KNO <sub>3</sub>	22.68 KG
13.5-0-46	13.5-0-46	Potassium Nitrate Multi-K KNO <sub>3</sub>	25 KG
0-0-50-WSF	0-0-50	Potassium Sulphate Solupotasse	25 KG
0-0-62-FINE	0-0-62	Muriate of Potash (Potassium Chloride) - Untreated	25 KG

ORGANIC FERTILIZERS – <i>Other Organic or Organic-based fertilizers available; please call our office for more information</i>			
OUR PART NUMBER	GARANTEE	FERTILIZER DESCRIPTION	UNIT SIZE
2-14-0	2-14-0	Bone Meal	20 KG
12-0-0	12-0-0	Blood Meal	20 KG
11-0-0	11-0-0	Feather Meal	20 KG

SOIL ENHANCERS – <i>We have access to a wide range of other Soil Enhancers and Amendments; call our office for more information</i>			
Humic Acid	Fulvic Acid	Myke® Turf & Ornamental	Myke® Pro Nursery
0-0-5 Humic Acid can be used as a soil or foliar application. It may enhance nutrient uptake by plants. It is compatible with most powdered and liquid fertilizers and biological and enzymatic formulations. Certified for use in Organic production.	0-0-3 Fulvic Acid can be used as a soil or foliar application. It may enhance nutrient uptake by plants. Root growth of plants is magnified and offers drought protection, due to improved moisture storage. Certified for use in Organic production.	A concentrated endomycorrhizal inoculant in powder form used for liquid application for cuttings, seeding and transplanting most annuals and perennials. For new establishment of grass species, incorporate inoculum into the rooting zone.	A concentrated mycorrhizal inoculant in powder form used for liquid application (cuttings, seeding or repotting trees). It contains two species of mycorrhizal fungi that are compatible with most trees, shrubs and herbaceous plants.
25 KG Part # HUMIC-ACID	25 KG Part # FULVIC-ACID	600gr Part # MYKEPRO-T&O	500gr Part # MYKEPRO

MICRONUTRIENTS – <i>A wide range of other micronutrients available; call our office for pricing and availability</i>			
Iron Chelate 13% EDTA	Iron Chelate 6% EDDHA	Chelated Micro Mix	Chelated Micro Mix for Turf
Iron Chelate can be used to correct iron deficiency in ornamentals, turf and fruit trees. This product contains 13.2% chelated iron and can be applied as a foliar spray or soil drench. Application rates vary based on method of application. Can be used with other liquid nutrients.	6% Iron EDDHA Chelate is a water soluble, dark red microgranular form of iron EDDHA to be used for the correction of iron deficiency in crops. Very effective even at high pH levels. Can be applied as a soil drench, foliar application or with fertilizer solution at every irrigation.	Chelated Micronutrient Mix is a water-soluble micronutrient mix which can be used as a supplement where deficiencies exist for crops grown in soil or in a regular feeding program for crops grown in artificial and soilless media. Contains Fe, Mn, Zn, Cu, B, and Mo. EDTA/DTPA chelate.	Turf Micronutrient Mix is a totally water-soluble micronutrient mix specifically designed for turf applications when micronutrient deficiencies exist. This product will encourage good colour without producing excessive growth. Contains Mg, Fe, Mn, Zn, Cu, B, and Mo. EDTA chelation
Available in 2 KG & 25 KG sizes	Available in 1.5 KG & 25 KG sizes	Available in 2 KG & 10 KG sizes	Available in 10 KG size

## Greenhouse/Nursery Fertilizers

**Controlled Release Fertilizers – For Greenhouses, Nurseries, and Landscapes**

Even-Spray is very pleased to offer the very best and complete range of controlled-release fertilizers to suit your entire greenhouse, nursery, and landscape needs. Whether the application is greenhouse containers such as hanging baskets, trees or shrubs grown in containers or the field, or the perfect landscape setting, Even-Spray has the product for you. We offer both topdress and soil incorporation fertilizers depending on your application in a range of release rates, with and without micronutrient packages. Call us to discuss your needs!

**Nutricote – The World's Most Consistent Controlled-Release Technology**

Nutricote 14-13-13 Type 100	Application Guide:				Unique Nutricote Qualities:
Nutricote is the world's most predictable controlled release technology available. The unique and pliable resin coating used allows for very safe and predictable release characteristics.		Low	Med.	High	Based primarily on temperature, the release rate of a specific coating Type (i.e. Type 100) is highly predictable. For example at a constant temperature of 25°C (77°F), Type 100 coating will release 80% of its nitrogen evenly over a 100-day period. Cooler temperatures lengthen release and warmer temperatures shorten it. Moisture, pH, soil type, and microbial activity do not influence release significantly.
	Incorporation Rate (kg / m³)	2.5	5.0	8.0	
	<p><u>Low Rate Crops:</u> Bedding Plants, Greenhouse Vegetables, Forestry Seedlings, Rhododendron, Azalea, Ferns, Orchids, African Violets.</p> <p><u>Medium Rate Crops:</u> Nursery Crops, cut Floral crops.</p> <p><u>High Rate Crops:</u> Most pot crops.</p> <p>We advise that additional sources of Calcium, Magnesium, and Micronutrients be used in conjunction with Nutricote 14-13-13 Type 100.</p> <p>If you require a Nutricote product with Micronutrients, we recommend 13-11-11 Nutricote “Total”, please inquire.</p>				
Nutricote 14-13-13 Type 100 is well suited for Manitoba and Northwest Ontario greenhouse and nursery fertilizer programs because of its release period of approximately 100 days. 20 Kilogram bag.					
<p><b>Qualities:</b></p> <ul style="list-style-type: none"><li>• Use on flowers, vegetables, and other crops.</li><li>• Excellent for low-soil or soilless mixes</li><li>• Coating will not crack from freezing</li></ul>	<ul style="list-style-type: none"><li>• High Nitrate Nitrogen Content</li><li>• True control of nutrient release by temperature</li><li>• Minimal nutrient loss from excessive release</li><li>• Highest degree of crop safety</li><li>• Release Types from 40 to 360 days (@25°C)</li></ul>				

**ACERnt – Acer Economy and Nutricote Technology Blended into One Fertilizer**

ACERnt 13-12-12	Application Guide:					Product Analysis:	
<p>Designed for greenhouse hanging baskets, ACERnt 13-12-12 can be used in different applications where a balanced N-P-K fertilizer is required for topdress <u>or</u> soil incorporation. Can be used as a part of a complete fertility program with Plant Prod soluble fertilizers or as a stand-alone product.</p> <p>20 Kilogram bag.</p> <p><b>Qualities:</b></p> <ul style="list-style-type: none"><li>• High Nitrate formula; safe for greenhouse use</li><li>• Topdress or incorporate versatility</li><li>• Controlled-release micronutrient package</li><li>• 3 – 4 Month Release Rate</li><li>• Performance &amp; Value in one product</li></ul>			Low	Med.	High	Total Nitrogen (N).....13%	
	Incorporation Rate (kg / m³)		2.5	4.5	6.5	Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> ).....12%	
	Topdress Rate					Soluble Potash (K).....12%	
	Container SIZE	Container VOLUME				Magnesium (Mg).....0.4%	
	5" std. Pot	0.95L	2 g	5 g	7 g	Boron (B) (actual).....0.062%	
	6" std. Pot	1.7L	4 g	8 g	12 g	Copper (Cu) (actual).....0.068%	
	1 gallon	2.5L	6 g	12 g	20 g	Iron (Fe) (actual).....0.493%	
	2 gallon	5.5L	15 g	25 g	40 g	Manganese (Mn) (actual).....0.146%	
	3 gallon	9.5L	25 g	45 g	70 g	Molybdenum (Mo) (actual).....0.005%	
	5 gallon	15L	35 g	75 g	110 g	Zinc (Zn) (actual).....0.193%	
7 gallon	37L	50 g	100 g	150 g			
If using water-soluble fertilizer, reduce the rate of ACERnt 13-12-12 by half.							
						<p><i>OTHER POPULAR ACERnt FORMULAS:</i></p> <ul style="list-style-type: none"><li>• 17-7-10 Short Season Incorporated</li><li>• 17-7-10 One Season Incorporated</li><li>• 19-4-12 Topdress</li></ul>	

**Multicote NPK Pro – Optimal Plant Development in a Single Application with Minimized Losses**

Multicote NPK Pro 18-6-12	Application Guide:					Product Analysis:	
<p>Multicote NPK Pro 18-6-12 homogeneous fertilizer is intended for topdress or incorporation applications designed to release over a 2 - 6 month period, depending on soil temperatures. This premium formula can be used in short term nursery stock, colour crops, and in landscape settings where a high nitrogen fertilizer is needed. 25 Kilogram bag.</p> <p><b>Qualities:</b></p> <ul style="list-style-type: none"><li>• <i>High Nitrate Topdress or Incorporation formula</i></li><li>• <i>Nutrient release dictated by soil temperatures only</i></li><li>• <i>No salt accumulation in soils; low leach &amp; volatility</i></li><li>• <i>4 Month Average Release Rate</i></li></ul>			Low	Med.	High	Total Nitrogen (N)..... 18%	
	Incorporation Rate (kg / m³)		1.5	3.6	5.6	Nitrate Nitrogen ..... 5.5%	
	Topdress Rate					Ammoniacal Nitrogen..... 7.0%	
	Container SIZE	Container VOLUME				Urea Nitrogen..... 5.5%	
	5" std. Pot	0.95L	1 g	3 g	5 g	Available Phosphoric Acid (P2O5)..... 6.0%	
	6" std. Pot	1.7L	3 g	6 g	10 g	Soluble Potash (K)..... 12.0%	
	1 gallon	2.5L	4 g	9 g	14 g	Magnesium (Mg)..... 1.0%	
	2 gallon	5.5L	8 g	19 g	31 g	Boron (B) (actual)..... 0.025%	
	3 gallon	9.5L	14 g	34 g	54 g	Sulphur (S)..... 6.0%	
	5 gallon	15L	23 g	54 g	86 g	Copper (Cu) (actual)..... 0.045%	
7 gallon	37L	32 g	78 g	123 g	Iron (Fe) (actual)..... 0.38%		
					Manganese (Mn) (actual)..... 0.06%		
					Molybdenum (Mo) (actual)..... 0.008%		
					Zinc (Zn) (actual)..... 0.6%		



## Greenhouse/Nursery Fertilizers

**Plant Products Soluble Fertilizer - For Greenhouse, Garden and Landscapes**

Plant Products has been making high quality water soluble fertilizers for nearly 60 years. Plant-Prod is totally soluble, and in warm water goes into solution almost instantly. Plant-Prod is manufactured by their exclusive "Turbo" process developed specifically for making high quality water soluble fertilizers. Plant-Prod offers a complete range of water soluble fertilizer formulas to suit all your growing needs. Here is an offering of Even-Spray's more popularly sold soluble formulas.



PLANTPRODUCTS™

PLANT-PROD®  
SOLUTIONS**SOLUTIONS Formulas - Fresh Solutions for Today's Plant Nutrition**

Solutions 18-9-18 pH Reducer	Solutions 15-0-20 No Stretch	Solutions 17-5-17 Complete
<p>pH Reducer has a potential acidity high enough to prevent or correct high pH in growing media. Convenient and safe, pH Reducer will reduce or even eliminate the need to use acid to lower media pH. The effect of a lowered pH combined with an enhanced micro package is perfect for many of the newer spring plants like Petunias.</p> <p>15 Kilogram bag.</p> <p>Total Nitrogen (N).....18% Nitrate Nitrogen.....9.3% Ammoniacal Nitrogen.....8.7% Urea Nitrogen.....0% Available Phosphoric Acid (P<sub>2</sub>O<sub>5</sub>).....9.0% Soluble Phosphorus (P).....3.9% Soluble Potash (K<sub>2</sub>O).....18% Potassium (K).....14.9% Magnesium (Mg).....0.2% Sulphur (S).....4.80% Micronutrients.....Fe, Mn, Zn, Cu, B, Mo</p>	<p>Intended to be used in the latter part of the growing cycle, No-Stretch has a strictly engineered composition designed to maintain compact sturdy growth. Internodes are kept short by limiting ammoniacal nitrogen and eliminating urea and phosphorous. Increased potassium levels build a firmer cell wall, and the enhanced micro package ensures a superior finished plant.</p> <p>15 Kilogram bag.</p> <p>Total Nitrogen (N).....15% Nitrate Nitrogen.....11.5% Ammoniacal Nitrogen.....3.5% Urea Nitrogen.....0% Available Phosphoric Acid (P<sub>2</sub>O<sub>5</sub>).....0% Soluble Phosphorus (P).....0% Soluble Potash (K<sub>2</sub>O).....20% Potassium (K).....16.6% Calcium (Ca).....3% Magnesium (Mg).....1% Micronutrients.....Fe, Mn, Zn, Cu, B, Mo</p>	<p>Complete is an advanced all-in-one nutritional program providing all 5 macronutrients in one package (N, P, K, Ca and Mg). This balanced growth formulation provides high levels of nitrate with no urea. Enhanced micronutrients with triple chelation ensure complete nutrition over a wide pH range.</p> <p>15 Kilogram bag.</p> <p>Total Nitrogen (N).....17% Nitrate Nitrogen.....12.4% Ammoniacal Nitrogen.....4.6% Urea Nitrogen.....0% Available Phosphoric Acid (P<sub>2</sub>O<sub>5</sub>).....5% Soluble Phosphorus (P).....2.1% Soluble Potash (K<sub>2</sub>O).....17% Potassium (K).....13.9% Calcium (Ca).....3% Magnesium (Mg).....1% Micronutrients.....Fe, Mn, Zn, Cu, B, Mo</p>

**Other SOLUTIONS Formulas Available:**

• Fertility Plus 19-2-19

• Total Plus 19-8-13

• Fusion 17-5-17

• pH Buffer 18-6-24

Plant-Prod Solutions is a registered trademark of Master Plant-Prod Inc.

**PLANT PROD Original Formulas - Tested for Quality, Made to Perform** PLANTPRODUCTS

Plant-Prod 20-8-20 High Nitrate	Plant Prod 20-20-20 Classic	Plant Prod 15-0-15 Cal-Plus
<p>This Higher Nitrate fertilizer is ideal for plants grown in soilless media and forms the backbone of many greenhouse growers' nutritional programs. Over 60% of the nitrogen is in the nitrate form, making it an ideal formulation for any time of the year even during low light conditions. Use alone or in rotation with Cal-Pot or Cal-Mag to provide a balanced fertilizer program.</p> <p>15 Kilogram bag.</p> <p>Total Nitrogen (N).....20% Nitrate Nitrogen.....12% Ammoniacal Nitrogen.....8% Urea Nitrogen.....0% Available Phosphoric Acid (P<sub>2</sub>O<sub>5</sub>).....8% Soluble Phosphorus (P).....3.4% Soluble Potash (K<sub>2</sub>O).....20% Potassium (K).....16.6% Magnesium (Mg).....0.15% Micronutrients.....Fe, Mn, Zn, Cu, B, Mo</p>	<p>This general-purpose water-soluble fertilizer is very effective on all types of plants. Its balanced formula may be used whenever a more general formulation is required. Its high percentage of ammoniacal and urea nitrogen will provide rapid green up and leaf expansion while the balanced phosphorous and potassium will encourage root and shoot growth.</p> <p>15 Kilogram bag.</p> <p>Total Nitrogen (N).....20% Nitrate Nitrogen.....5.9% Ammoniacal Nitrogen.....3.85% Urea Nitrogen.....0.25% Available Phosphoric Acid (P<sub>2</sub>O<sub>5</sub>).....20% Soluble Phosphorus (P).....8.7% Soluble Potash (K<sub>2</sub>O).....20% Potassium (K).....16.6% Micronutrients.....Fe, Mn, Zn, Cu, B, Mo</p>	<p>The Cal-Pot Special is a completely water soluble prilled mixture of calcium nitrate, potassium nitrate and micronutrients. With over 90% of the nitrogen in the nitrate form and no urea, Cal-Pot is very effective under low light conditions. With a relatively high potential basicity this formula can be used to raise media pH. Prilled form improves product flowability.</p> <p>15 Kilogram bag.</p> <p>Total Nitrogen (N).....15% Nitrate Nitrogen.....13.9% Ammoniacal Nitrogen.....1.1% Urea Nitrogen.....0% Available Phosphoric Acid (P<sub>2</sub>O<sub>5</sub>).....0% Soluble Phosphorus (P).....0% Soluble Potash (K<sub>2</sub>O).....15% Potassium (K).....12.4% Calcium (Ca).....11% Micronutrients.....Fe, Mn, Zn, Cu, B, Mo</p>

**Other Popular PLANT-PROD Original Water Soluble Fertilizers Available:**

- Plant Starter 10-52-10
- High Phosphorus 15-30-15
- Acid Fertilizer 21-7-7
- High Nitrogen 28-14-14
- Optimum Cal-Mag 12-2-14
- Hydroponic 6-11-31
- Cal-Mag 14-0-14
- Finisher 12-0-44
- Super K 20-5-30
- Turf No Phos 38-0-10
- Acidic High Nitrate 20-2-20
- Poinsettia Plus 18-6-20
- Forestry Starter 11-41-8
- Forestry Special 20-8-20
- Forestry Finisher 8-20-30

**Plant Prod MJ™ Water Soluble Fertilizers:**

Formulated for the production of medicinal plants

- MJ™ Boost 15-30-15
- MJ™ Grow 12-8-26
- MJ™ Bloom 10-30-20
- MJ™ Cal Kick 15-0-14
- MJ™ Finisher 4-31-37



Plant-Prod MJ is a registered trademark of Master Plant-Prod Inc.

## Fertilizers - Miscellaneous

## Plant Prod Fertilizer Rate Chart for Dosatron® Injectors

Injector Ratio:	Grams of Plant Products Fertilizer per Litre of Concentrate								
	100 ppm Nitrogen			150 ppm Nitrogen			200 ppm Nitrogen		
	1:50	1:100	1:200	1:50	1:100	1:200	1:50	1:100	1:200
Plant Prod 15-0-15, 15-15-18, 15-30-15, 15-15-30, Solutions 15-0-20	34	67	133	50	100	200	67	133	266
Plant Prod Solutions 18-9-18, Plant Prod 18-6-20	28	56	111	42	83	167	56	111	222
Plant Prod 20-20-20, 20-8-20, 20-5-30	25	50	100	38	75	150	50	100	200
Plant Prod 14-0-14	36	71	143	54	107	214	71	143	286
Plant Prod Solutions 17-5-17C	29	59	118	44	88	177	59	118	235
Plant Prod 12-2-14, 12-0-44	42	83	167	63	125	250	83	167	335
Plant Prod 21-7-7	24	48	95	36	71	143	48	95	190
Plant Prod 28-14-14	18	35	70	27	55	105	35	70	140

## How To Use This Chart:

Plant-Prod Solutions is a registered trademark of Master Plant-Prod Inc.

1. Pick the Plant Products fertilizer and choose the desired Parts per Million (ppm) of Nitrogen required.
2. Determine the injector ratio of your Dosatron (1:50 = 2.0%; 1:100 = 1.0%; 1:200 = 0.5%).
3. Add the required amount of fertilizer per litre of water into your stock tank solution as indicated.

## Not Using An Injector?

Here's the formula to determine your own Parts per Million Nitrogen:

$$\frac{\text{Grams of fertilizer product}}{\text{Litres of water in solution}} \times \text{grade of fertilizer} \times 10 = \text{ppm}$$

For Example, Using Plant Prod 20-8-20:

$$\frac{1 \text{ Gram of 20-8-20}}{100 \text{ Litres of Water}} \times 20 (\text{grade of fertilizer}) \times 10 = 2 \text{ ppm}$$

## Common Antagonisms Occurring in Crops

Nutrient in Excess	Induced Deficiency
N	K
K	N, Ca, Mg
Na	N, Ca, Mg
Ca	Mg
Mg	Ca
Ca	B
Fe	Mn
Mn	Fe



Woodace® products are designed to help professionals care for landscape beds and ornamentals. The Woodace® product line offers a range of premium fertilizers for a variety of trees, shrubs, and groundcovers. Woodace® products provide the ultimate addition to enhance your maintenance program. Discover the opportunity in the Woodace® product line today!

## Woodace® 12-3-6 A.C.R.E.

Woodace® 12-3-6 A.C.R.E. is especially formulated for Azaleas, Conifers, Rhododendrons, and Evergreens that thrive in acidic soils. Woodace® A.C.R.E. is also ideal for fertilizing plants where micronutrient availability is limited by high soil pH. Woodace® A.C.R.E. will aid in maintaining a slightly acidic soil pH which is ideal for most evergreens and foundation plants.

- Easy-to-spread granular topdress formula for planting beds and other non-turf areas.
- 56% Controlled release nitrogen derived from METH•EX 40 Methylene Urea.
- Contains Sulphur, Iron, & Manganese.
- Apply around dripline of individual plants or broadcast @ 0.8 to 2.5 lbs / 100ft²
- 50-pound bag.



## Woodace® 14-14-14 Flowering Plant Special

Woodace Flowering Plant Special is a premium homogeneous long-term fertilizer for maintaining ornamental landscape plants such as foundation plantings, shrubs, ground covers, trees, and flowers in diverse soil and environmental conditions. Top-dress or incorporate into soils.

- Easy to spread, homogeneous particles insure even distribution of all nutrients with every application.
- 63% of total Nitrogen in a controlled release form using Meth-Ex 40 for long-term feeding.
- Balanced N-P-K formula enhanced with Magnesium, Sulphur, Iron, and Manganese for increased plant vigor and exceptional foliage.
- Application rates vary from 1.4 to 2.9 pounds of product per 100ft²; consult label for complete application guidelines and instructions.
- 40-pound (18.14kg) bag



# Dosatron Injectors

## Sustainable fertilizer injection solutions for Greenhouses, Garden Centers, and Nurseries

For beautiful, healthy plants and blooms, professional growers have been turning to Dosatron for trusted experience. With Dosatron, your plants get the right amount of nutrients every time. Dosatron's versatile fertilizer injectors are the industry gold-standard for quality and reliability. Dosatron's injectors are great for fertilizers, insecticides, fungicides, algacides, acids, wetting agents, and disinfectants. Dosatron injectors can be used in a variety of installations and configurations including wall mount, boom mount, and can be used in a portable set-up like Dosatron's DosaCarts.

Dosatron's injectors are engineered to provide repeatable results with minimal maintenance, saving you time and money. Adjusting the amount of fertilizer injected is easy with their ratio-selector stems. Product reliability, outstanding customer service, predictable results - Discover the difference Dosatron can make in your greenhouse, garden center, nursery or floral department.



### DI25

- Pipe Size: 3/4" NPT (male)
- GPM: 0.05 to 11 GPM
- Pressure: 4.3 to 85 PSI
- Ratio: 1: 100 Fixed
- Percentage: 1% Fixed
- Includes: Mounting bracket, 6' suction hose w/ strainer and weight, operating manual.

PART	DESCRIPTION	PRICE (I)
DI25	Injector – 11 GPM	496.00



### DI14

- Pipe Size: 3/4" NPT (male)
- GPM: 0.05 to 14 GPM
- Pressure: 4.3 to 85 PSI
- Ratio: 1:500 to 1:50
- Percentage: 0.2% to 2%
- Includes: Mounting bracket, suction hose with strainer and weight, operating manual.

PART	DESCRIPTION	PRICE (I)
DI14	Injector – 14 GPM	646.60



### DI45

- Pipe Size: 1" NPT (male)
- GPM: 0.4 to 20 GPM
- Pressure: 7 to 70 PSI
- Ratio: 1:500 to 1:66
- Percentage: 0.2% to 1.5%
- Includes: Bypass, mounting bracket, suction hose with strainer and weight, operating manual.

PART	DESCRIPTION	PRICE (I)
DI45	Injector – 20 GPM	887.60



**NEW!**

### DI40

- Pipe Size: 1 1/2" Male NPT
- GPM: 2.2 to 40 GPM
- Pressure: 4.3 to 116 PSI
- Ratio: 1:500 to 1:50
- Percentage: 0.2% to 2%
- Includes: Air Bleed Valve, mounting bracket, 6 ft. suction hose w/ weighted strainer; user manual.

PART	DESCRIPTION	PRICE (I)
DI40	Injector – 40 GPM	1421.75

## DOSATRON Click Charts

Count the clicks to estimate your flow rates!

DI25 (11 GPM)		DI14 (14 GPM)	
Clicks Per 15 Seconds		Clicks Per 15 Seconds	
Clicks	GPM (LPM)	Clicks	GPM (LPM)
4	1 (4)	2	0.5 (2)
15	3 (11)	3	1 (4)
22	5 (19)	10	3 (11)
31	7 (27)	21	6 (23)
39	9 (34)	35	10 (38)
46	11 (42)	49	14 (53)

DI45 (20 GPM)		DI40 (40 GPM)	
Clicks Per 15 Seconds		Clicks Per 15 Seconds	
Clicks	GPM (LPM)	Clicks	GPM (LPM)
2	1 (4)	1	2 (8)
7	3 (11)	4	5 (19)
12	5 (19)	9	10 (38)
25	10 (38)	18	20 (76)
37	15 (57)	27	30 (114)
45	20 (76)	36	40 (152)



### TeeJet T-Strainer w/ 200-Mesh Screen

- Required mesh size for DI25/DI14/DI45 injectors.
- Available in 3/4" and 1" Female NPT ports.
- Filter body and screen sold separately.

PART	DESCRIPTION	PRICE (B)
126ML3/4-LS	3/4" Nylon Filter - no screen	29.40
126ML1-LS	1" Nylon Filter - no screen	29.40
16903-7	200-Mesh Screen	19.70



### Dosatron Y-Strainers w/ 200-Mesh Screen

- Recommended mesh size for Dosatron injectors.
- Available in 3/4" and 1 1/2" Male NPT ports.
- Replacement screens available; sold separately.

PART	DESCRIPTION	PRICE (I)
DI14-Y-FILTER	3/4" Y-Filter - complete	40.75
AKF200M11GPM-A	3/4" 200-Mesh Screen only	35.25
D8R-Y-FILTER	1 1/2" Y-Filter - complete	156.65
AKF200M40GPM-A	1 1/2" 200-Mesh Screen only	142.65



### Dosatron Injector Service Kits & Parts

We stock a wide range of service kits and parts for Dosatron injectors' please call us!

- DI25 Injector – Service Kit # PJ117VF
- DI14 Injector – Service Kit # PJDI116VF
- DI45 Injector – Service Kit # PJ096VF
- D8R-E2 Injector – Service Kit # PJDI120VVF
- DI40 Injector – Service Kit # PJDI120V



### PVC 1-Way Check Valves – Female NPT Ports

- Used in-line with your Dosatron injector plumbing to prevent back-flow or water hammer damage.
- Other sizes available – please call.

PART	DESCRIPTION	PRICE (F)
CVPVC0750	3/4" PVC Check Valve	9.50
CVPVC1000	1" PVC Check Valve	13.85
CVPVC1500	1 1/2" PVC Check Valve	19.15

### Stock Solution Tanks

- Open top with removable friction-fit lid.
- 50 and 75 Imperial Gallon capacities.
- Translucent poly material.

PART	DESCRIPTION	PRICE (B)
E50W	50 Imp. Tank 37 1/4" H x 24 1/2" Diam.	CALL
E75W	75 Imp. Tank 47 1/2" H x 28 1/2" Diam.	CALL



## Greenhouse Watering & Spray Equipment

**Dramm Corporation** manufactures a complete line of professional greenhouse tools and equipment including hose-end watering tools, irrigation systems, chemical application equipment, and most recently, environmental controls. **Dramm** is the most respected name within the industry. Even-Spray stocks a wide range of **Dramm** watering equipment to meet your growing needs.



### Fog-It Nozzles

- Designed for misting seedlings or raising humidity.
- Female GH thread; volumes rated at 40 PSI.

PART	DESCRIPTION	PRICE(F)
FOGG	½ GPM Super Fine Nozzle	14.85
FOGGF	1 GPM Fine Nozzle	14.85
FOGGL	2 GPM Low Volume Nozzle	14.85
FOGGH	4 GPM High Volume Nozzle	14.85

All Dramm watering products – shut-offs, extensions, breakers, and nozzles – are sold separately so that you can customize your equipment to your specifications!



### Dramm Extension Wands

- Light-weight aluminum w/ padded foam comfort grip.
- Female GH x Male GH Thread.

PART	DESCRIPTION	PRICE(F)
DRAMM50-80	50" – 80" Extendable Wand	39.75
DRAMM16	16" Extension Wand	13.05
DRAMM2	24" Extension Wand	14.20
DRAMM30	30" Extension Wand	15.45
DRAMM3	36" Extension Wand	16.05
DRAMM4	48" Extension Wand	17.15
DRAMMB-36	36" Hanging Basket Wand	16.60
DRAMMB-48	48" Hanging Basket Wand	17.70

DRAMM-ILF175



Replacement screens sold separately

### Dramm Hose-end Accessories

- Filter recommended for use with seedling nozzles.
- Ring protects 400, 750, 1000 series water breakers.

PART	DESCRIPTION	PRICE(F)
DRAMM-ILF175	Filter w/ 80 mesh screen	27.20
DRAMM-ILFE175	80 mesh screen only	9.15
DRAMM-ILFE080	Optional 200 mesh screen	9.15
400RING	Rubber protective ring	2.35



### Water Breakers

- A wide range of water breakers to choose from.
- Female GH thread; volumes rated at 40 PSI.

PART	DESCRIPTION	PRICE(F)
400PL-RPR	Poly Breaker w/ Ring - 11gpm	9.45
400PL	Poly Breaker – 11gpm	7.65
400AL	Aluminum Breaker – 11gpm	24.05
750PL	Poly Breaker w/ Ring – 7gpm	18.20
1000PL	Poly Seedling Breaker – 7gpm	18.20
1000PL-N	Poly Seedling Breaker – 7gpm narrow pattern	18.20
1000PL-W	Poly Seedling Breaker – 7gpm wide pattern	18.20
170PL	Poly Breaker – 7gpm	6.60
170AL	Aluminum Breaker – 7gpm	16.05
480PL	Poly Seedling Breaker – 7gpm	8.50



### Seedling Nozzle

- Designed for seedlings, cuttings, delicate plants.
- Hollow cone fine droplet pattern; GH

PART	DESCRIPTION	PRICE(F)
510C	Seeding Nozzle 1/2 GPM @ 40 PSI	11.30



### Dramm Watering Can

- 5-Litre capacity; long-lasting rust-proof poly.
- Extra long spout with detachable brass rose.

PART	DESCRIPTION	PRICE(G)
DRAMMWATERCAN	5-Liter watering can	28.80



### Dramm Trigger Series Shut-Off Valves

- All valves feature Female GH inlets x Male GH Outlets with soft, yet durable rubber grips.
- 65C and 14700 rated at 11 GPM @ 40 PSI.
- 74800 rated at 16 GPM @ 40 PSI.

PART	DESCRIPTION	PRICE(F)
65C	Squeeze Trigger Valve – 11 gpm	19.70
14700	Easy Slide Thumb Valve – 11 gpm	20.95
74800	Easy Slide Thumb Valve – 16 gpm	23.25

# DRAMM



### Shut-off Valves

- All models feature Female GH x Male GH thread.
- 74VALVE, 300, 075HGB Valves – full port flow.

PART	DESCRIPTION	PRICE(F)
74VALVE	Dramm HD Poly Valve	23.25
300	Dramm Brass Valve	31.35
075HGB	Brass GH x GH Valve	29.85
DRAMMVALVE-QAV	Dramm Poly Valve	6.95



### MS20-100 Chemical Sprayer

- Includes 100' hose, Gun, Cart/Tank, & Hose Reel.
- Up to 0.5 GPM; Maximum pressure to 500 PSI.

PART	DESCRIPTION	PRICE(I)
MS20-100	20 Gallon Hydraulic Sprayer 120V	CALL

# **DRAMM**



# **Micro and Drip Irrigation**



## **Dramm Misty Mist 360° Nozzles**

- Ideal for overhead mist propagation, irrigating plugs, or raising humidity levels.
- Misty Mist nozzles produce a 6 foot spray pattern when placed 5 feet above your greenhouse crop with 3 foot spacing.
- Available in three different GPM ratings to suit your specific needs.
- No moving parts; easy to maintain, simple to set up.
- Can be installed upright or inverted overhead or on greenhouse bench risers, as required.

## **Misty Mist Nozzle Performance (Gallons / Minute)**

PART NUMBER	COLOUR	ORIFICE DIAMETER	36 PSI	73 PSI
MISTY-BW	Blue/White	1.0 mm	0.17	0.22
MISTY-RW	Red/White	1.25 mm	0.27	0.35
MISTY-BLK	Black/White	1.50 mm	0.39	0.50

PART	DESCRIPTION	PRICE(H)
MISTY-BW	Misty Mist Nozzle – Blue/White	<b>2.20</b>
MISTY-RW	Misty Mist Nozzle – Red/White	<b>2.20</b>
MISTY-BLK	Misty Mist Nozzle – Black/White	<b>2.20</b>



## **Dramm Assembly Insert**

- Threaded gasket that provides quick installation and a leak-free seal for Dramm irrigation nozzles.
- 3/8" interior Whitworth tapered thread to match up with Misty Mist and Pin-Perfect nozzles. Also fits the Dramm No-Drip Riser Extension.
- USED WITH SCHEDULE 40 PVC ONLY; DO NOT use with schedule 80 PVC pipe.
- Easy to use – drill 7/16" hole in pipe, insert gasket into hole, and thread in your irrigation nozzle.
- Recommended for use at operating pressures up to 50 PSI.

PART	DESCRIPTION	PRICE(H)
MISTY-INSERT	Dramm Insert Assembly	<b>1.15</b>



## **3/8" Whitworth Thread X 1/2" FNPT Riser Adapter**

- 1/2" Female NPT X 3/8" Whitworth Female Thread adapter allows for the use of Misty Mist and Perfect-Pin nozzles on a 1/2" diameter irrigation riser.

PART	DESCRIPTION	PRICE(H)
MISTY-ADPT	Riser Adapter 1/2" x 3/8" WW	<b>2.15</b>

## **Rotor Rain G Mini Sprinkler**

- Low trajectory, large droplet mini sprinkler.
- 'C' Frame design for strength and high distribution uniformity.
- Full flow flipper suspended between two bearings for reliable performance.
- Rotor can be replaced with break-off spray deflector for close-in watering of immature crops.
- 1/2" Male NPT base; 0.055" Orifice size.
- Other sizes available by special order; please inquire.

## **Rotor Rain Green Mini Sprinkler Performance**

PRESSURE (PSI)	FLOW (GPH)	DIAMETER (FT.)*	STREAM HEIGHT (FT.)
15	20.0	26.0	1.8
20	23.5	30.0	1.8
25	26.5	30.0	1.8
30	29.2	30.0	2.1

\*NOTE: Diameter based on sprinkler head 8" above ground.

PART	DESCRIPTION	PRICE(F)
ROTORAIN-G	Mini Rotor Sprinkler	<b>2.35</b>



## **Dramm No-Drip Extension Check Valves**

- Helps control drip from overhead pipelines by shutting off when water pressure is below 11 PSI.
- Used primarily when Dramm irrigation nozzles (such as Pin-Perfect and Misty Mist) are installed on the bottom side of over crop PVC water lines.
- Can be used optionally on topside installations.
- Includes a built-in filter to help keep check valve and attached nozzle from clogging.

PART	DESCRIPTION	PRICE(H)
MISTY-EXTENSION	No-Drip Extension	<b>4.00</b>



## **Dramm 11 Gram Emitter Weight**

- Barbed connection for secure fit.
- Zinc / Aluminum alloy – NO lead.
- Dual Port for even output.
- Use with 0.130" Dramm tubing.

PART	DESCRIPTION	PRICE(H)
DRAMMWEIGHT	Dramm Emitter Weight	<b>.50</b>



90°



180°

## **Cooling / Misting Shrub Nozzles**

- Ideal for targeted irrigation or cooling applications.
- **SPJET** series feature bayonet tip and 0.16" "quick" thread for easy installation into SOFT poly pipe.
- **SN** series (not shown) features 10-32 UNF micro thread for installation into pre-drilled RIGID poly pipe.

PART	DESCRIPTION	PRICE
SPJET-15415	90 (1/4 circle) Shrub Nozzle	<b>.50(F)</b>
SPJET-15425	180 (1/2 circle) Shrub Nozzle	<b>.50(F)</b>
SN90	90 Shrub Nozzle (not shown)	<b>.50(E)</b>
SN180	180 Shrub Nozzle (not shown)	<b>.50(E)</b>


Emitter  
Opened

Emitter  
Closed

## **24" Slimline 1/2 GPH Hanging Basket Assembly**

- Includes 2 LPH (0.5 GPH) emitter, 24" drop line, and easy-to-close shut-off weight.
- Simple, highly visible shut-off functionality.
- Available in other lengths and gallon ratings – please inquire

PART	DESCRIPTION	PRICE
IS01HBA2W-24	HB Emitter Assembly – 24" w/ 0.5 GPH	<b>CALL</b>



Assembled



Unassembled

## **Pressure Compensating Drip Emitters**

- Available in 3 sizes – 1/2 GPH, 1 GPH, and 2 GPH.
- Silicon Diaphragm for longer life.
- Can be taken apart for inspection and cleaning.

PART	DESCRIPTION	PRICE(F)
EM5	EM-5 Emitter – 1/2 gallon / hour	<b>.80</b>
EM10	EM-10 Emitter – 1 gallons / hour	<b>.80</b>
EM20	EM-20 Emitter – 2 gallons / hour	<b>.80</b>

**NOTE: All Drip Tubing and Poly Pipe is located in our Landscape Irrigation section of the catalogue.**



## The Benefits of and Keys to Establishing A Successful Biological Control Program

As pest problems evolve, and traditional chemical controls become less effective or less available, more and more growers are looking to biological control programs to meet their pest control needs. Some of the benefits to a biological control program include:

- Safety issues are non-existent and protective clothing is not required.
- There is no re-entry interval (REI) or phytotoxicity associated with traditional pest control products.
- The chance of a pest developing resistance to a biological control program is also non-existent.

Biological controls are best introduced before pest populations reach a problem level. To establish a biological control program, there are 3 core building blocks that need to be implemented and followed:

### 1. Establish and maintain a sanitized growing environment -

It is important to establish Pre/Post and In-season cleaning programs for your facility to ensure you keep your growing environment free of weeds and other host environments for the unwanted pests. There are a number of products available to help you with this such as the following:



**KleenGrow**

A mild quaternary ammonium chloride compound designed to kill bacteria, and provide excellent mildew control in your greenhouse.



**Strip-It**

A combination cleaning and wetting agent helps remove white wash, algae, dirt, and calcium deposits from your greenhouse.



**Horti-Klor**

An active chlorinated detergent designed to help meet the highest greenhouse sanitation standards.

### 2. Monitoring & Scouting –

It is important to know what pests you are dealing with and when to introduce your beneficial biological control agents. Establishing a weekly scouting and monitoring program is essential. Use yellow and blue sticky cards (1 card/1,000-2,000ft<sup>2</sup>) and an eye lens to monitor flying insects such as Western Flower Thrip, whitefly, fungus gnats, shoreflies and winged aphids, as well as your beneficial populations.



Keeping records of your observations will go a long way to ensuring the success of your biological program. Also use *ThriPher* (Thrip pheromone) lures at a rate of 1 per 1,000 ft<sup>2</sup> to help detect Thrip populations earlier and get a jump on your program.

### 3. Commitment to the Program -

It is essential that once you commit to a biological program you stay with it. Unlike traditional chemical control programs your results may be slower to develop and it is imperative that you begin the program ahead of your pest pressure and form a preventative perspective, as opposed to the curative mentality that is associated with most chemical control programs.

Commitment to a biological control program does not mean that all chemical controls are eliminated from your program. There is an ever-growing assortment of “bio-friendly” pest control products. You just need to be more diligent in your choice and application timing the chemical control products needed to control other problems or pests.

The following product charts will provide you with concise, to-the-point information about the leading biological control products available to combat the most common greenhouse pests. These include Fungus Gnats, Shoreflies, Aphids, Whitefly, Western Flower Thrip, Mealy Bug, and Spider Mites.

The **Biobest** website ([www.biobestgroup.com](http://www.biobestgroup.com)) is also a great resource and has complete descriptions of the products listed in and the side effects of horticultural chemicals on beneficial insects.





## Fungus Gnats and Shore Flies

Bio Name	E/S Part#	Application Rate	Package Size	Frequency	Directions	Special Instructions
<b>Atheta Coriaria</b>	<b>BIO-15109BI</b>	1 per m <sup>2</sup>	1 x 500, 1L tube = 5,000 ft <sup>2</sup>	Once at each planting	Place 5ml piles out of direct sunlight.	Establishes in soil. Attacks Fungus Gnat and Shore Fly larvae and Thrip pupae.
	<b>BIO-17008</b>		1 x 1,000, 1L tube = 10,000 ft <sup>2</sup>			
	<b>BIO-17009</b>		1 x 3,000, 5L = 30,000 ft <sup>2</sup>			

This predatory beetle is an extremely voracious and efficient predator of some of the most troublesome soil insects. The beetles are dark brown to shiny black, 3-4mm long and are completely covered in hair. They have 3 larval stages during which the larvae change from white to orange-brown. All mobile stages of the beetle actively search for prey. The adults have a large flight range which ensures good dispersion throughout the greenhouse and faster population development. They are applicable in several ornamental, vegetable and arboricultural crops and on different media, such as compost, coco-fiber or rock wool.

<b>Steinernema Feltiae (nematodes)</b>	<b>BIO-15007</b>	½ million per m <sup>2</sup>	50 million pkg = 1,000 ft <sup>2</sup>	Apply every 7 – 14 days	Spreng on damp soil.	Do not apply in direct sunlight.  NOTE: Double application rate if pests are present.
	<b>BIO-17056</b>	½ million per m <sup>2</sup>	50 million pkg = 1,000 ft <sup>2</sup>			
	<b>BIO-15055</b>	½ million per m <sup>2</sup>	5 x 250 million pkg = 25,000 ft <sup>2</sup>			
	<b>BIO-17042</b>	½ million per m <sup>2</sup>	250 million pkg = 5,000 ft <sup>2</sup>			

Other pests that are targeted are, larvae of fungus gnats and mushroom fly, adults and pupae of western flower Thrip, larvae of leaf miner. Kills the host by penetrating and the nematodes contain a symbiotic bacterium that kills insects. The bacterium releases once inside the insect, and then the nematodes multiply in the cadaver and then emerge. Good for ornamental, vegetable, soft fruits and tree nurseries.

## Aphids

Bio Name	E/S Part#	Application Rate	Package Size	Frequency	Directions	Special Instructions
<b>Aphid Banker Plants</b> (For Aphidius Colemani, Aphidius Mix I, and Aphidius Mix II)	<b>BIO-17038</b>	2 per Acre	Individual Pots	2/acre to start, then 1/acre each week to establish populations.	Place Aphid Banker Plants in Hanging Baskets	Start early and release Aphidius, Aphidius Mix, or Aphidoletes on Aphid Banker Plants.
<b>Aphidius Colemani</b>	<b>BIO-17035</b>	0.5 per m <sup>2</sup>	1 x 500 bottle = 10,000 ft <sup>2</sup>	Repeat 3X every 7 – 14 days	Place in Aphid bankers or in Aphid hotspots.	Aphidius Colemani attack Green Peach and Black Melon Aphids. 15°C - 30°C.

Colemani is very efficient for the biological control of small-sized aphids, especially the cotton aphid and the green peach aphid. It parasitizes adults and nymphs. Parasitism is easy to recognize by the golden-brown colored mummies. A single female can lay hundreds of eggs during the first 4 days of her adult life. A Colemani has good searching ability and is able to find aphid colonies from a long distance by detecting "alarm signals" produced by an infected plant of the smell of honeydew secreted by its hosts. The presence of a parasitic wasp can cause panic in an Aphid colony, Aphids often let themselves fall to the ground where they usually die. They are applicable on all greenhouse crops on which suitable hosts occur.

<b>Aphidius Mix-I</b> (500 A.Colemani / 250 A.Ervi)	<b>BIO-15020</b>	0.5 per m <sup>2</sup>	1 x 750 bottle = 15,000 ft <sup>2</sup>	Repeat 3X every 7 – 14 days	Release on Hotspots.	Mixture of Aphidius Ervi and Aphidius Colemani. Attacks Green Peach and Black Melon Aphids. 15°C - 30°C.
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Aphid colonies often consist of several aphid species, it can be necessary to introduce both parasitic wasps ervi and colemani. Both parasitic wasps are look-a-like, but differ in size. Ervi is twice as large as colemani. Colemani controls cotton aphid and green peach aphid and Ervi controls potato aphids and foxglove aphid. Both species parasitize adults and nymphs. Parasitized aphids turn golden-brown coloured mummies. One single Aphidius can lay hundreds of eggs during the first 4 days of her life.

<b>Aphidius Mix-II</b> (250 A.Colemani / 250 A.Ervi / 250 A.Matricariae / 125 A.Abdominalis)	<b>BIO-17236</b>	0.5 per m <sup>2</sup>	1 x 750 bottle = 15,000 ft <sup>2</sup>	Repeat 3X every 7 – 14 days	Release on Hotspots.	4-way mixture of A. Colemani, A. Ervi, A. Matricariae, and Aphelinus Abdominalis. Targets many Aphid types. 15°C - 30°C.
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Our Aphidius Mix-II not only contains the widely used Aphidius Colemani and Aphidius Ervi, it also is supplemented with Aphidius Matricariae and Aphelinus Abdominalis, both of which are also parasitic wasps. The Aphidius Matricariae targets the Green Peach Aphid specifically, while the Aphelinus Abdominalis targets larger Aphid species such as the Foxglove Aphid and Potato Aphid and still host feeds on small Aphids. This unique parasitic wasp blend parasitizes adult and nymph Green Peach Aphid, Black Melon Aphid, Cotton Aphid, Potato Aphid, and Foxglove Aphid.

<b>Aphidoletes Aphidimyza</b>	<b>BIO-17241</b>	1 per 2m <sup>2</sup>	1 x 2,000 bottle = 20,000 ft <sup>2</sup>	Repeat 3X weekly	Place directly on application boxes or 5ml piles. Release in hotspots, out of direct sunlight.	Attacks all Aphid species. Monitor for orange larvae 3 weeks after introduction. Night temp. must be above 16°C.
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Contrary to some other gall midge species, Aphidoletes aphidimyza does not cause damage by forming galls on leaves. The adults feed on pollen and nectar. A female has an excellent searching ability for aphid hot spots where she lays more than one hundred eggs. The larvae are voracious predators preferring almost all aphid species. Immediately after hatching they start sucking aphids empty. One larva needs minimum 5 aphids for its development, but it will kill more than necessary. Aphidoletes are applicable on several crops.

<b>Lacewing Larvae</b> (C. Carnea)	<b>BIO-17029</b>	Hotspot	1 x 1,000 Larvae	As needed	Release in hotspots.	Repeat as necessary.
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The big winged and golden eyed Chrysopa Carnea known as green lacewing often occurs spontaneously in greenhouses and open fields. The adult lacewing is not a predator but feeds on nectar, honeydew and pollen. However, the larvae are extremely greedy and very efficient in hot spots. One larva can eat up to 50 aphids per day. Chrysopa larvae also feed on other insects like mealy bugs, red spider mites, Thrips, Whiteflies and small caterpillars. It is applicable in different vegetable, fruit and ornamental crops, especially with a high temperature variation and/or changing relative humidity, as its activity hardly depends on temperature and does not depend on relative humidity.

## Whitefly

Bio Name	E/S Part#	Application Rate	Package Size	Frequency	Directions	Special Instructions
<b>Encarsia Formosa</b>	<b>BIO-17082</b>	3 per m <sup>2</sup>	1 x 5,000 Package = 15,000 ft <sup>2</sup>	Weekly	Hang card on crop stem or on side of pot. Distribute evenly throughout crop.	Attacks greenhouse Whitefly larvae at temperature range of 18°C - 30°C.

The parasitic wasp Encarsia formosa is applied on a wide range of greenhouse vegetable and ornamental crops to control greenhouse whiteflies. In crops with zero pest tolerance is an overkill approach recommended. Encarsia formosa lays its eggs preferably in 3rd and early 4th instar larvae. Parasitized larvae turn black and are therefore easily recognized. Parasitism of the tobacco whitefly is also possible. In this case, parasitized larvae turn brownish. During their life, a female Encarsia formosa parasitizes approximately 250 greenhouse whitefly larvae (max. of 450) and kills another 30 (max. of 70) by host-feeding.

<b>Eretmocerus eremicus</b>	<b>BIO-17089</b>	3 per m <sup>2</sup>	1 x 10,000 Package = 30,000 ft <sup>2</sup>	Weekly	Hang card on crop stem or on side of pot. Distribute evenly throughout crop.	Attacks Greenhouse whitefly and sweet potato whitefly larvae. Withstands high temperatures.
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This is a parasitic wasp that controls whitefly infestations. Female adults are yellow, have green eyes with three red dots, so five antenna segments in total. The males are yellow brown, have three antenna segments and are smaller than the females. They have a preference for second and third instar larvae of both tobacco and greenhouse whitefly. They are effective at high temperatures and parasitize around 150 whitefly larvae. At higher temps, females lay more eggs but do not live as long. They have a decreased pesticide sensitivity. Good for vegetable and ornamental crops.

<b>Amblyseius Swirskii</b>	<b>BIO-17148</b>	100 per m <sup>2</sup> (10/ft <sup>2</sup> )	1 x 25,000 sprinkle tube = 2,500 ft <sup>2</sup>	Weekly	Hang card on crop stem or on side of pot. Distribute evenly throughout crop.	Attacks Greenhouse Whitefly and Sweet Potato Whitefly (Benisia) Larvae.
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Amblyseius swirskii is a voracious predatory mite. The adults are beige and the nymphs are creamy white. Efficient biological control of whitefly and Thrips. The mite eats young Thrip larvae and also devours eggs and larvae of both greenhouse and tobacco whitefly. It is a generalist feeder; among other things it eats small pests such as spider mites and tarsonemid mites. It easily adapts to high temperatures and also feeds on pollen. Swirskii devours 5-10 prey a day but they need a satisfactory food source for fast population growth. The use of alternative food source Nutrimite is recommended during the first few months for optimal population growth.



## Thrips

Bio Name	E/S Part#	Application Rate	Package Size	Frequency	Directions	Special Instructions
<b>Amblyseius Cucumeris</b> (1L shaker tube w/ bran)	<b>BIO-16915</b>	100 per m <sup>2</sup> (10/ft <sup>2</sup> )	1 x 20,000 sprinkle tube = 2,000 ft <sup>2</sup>	Repeat weekly.	Sprinkle of leaves.	Start application as soon as possible. A. Cucumeris feeds on Thrips larvae only.
	<b>BIO-17015</b>		1 x 50,000 sprinkle tube = 5,000 ft <sup>2</sup>			

*Amblyseius cucumeris is a predatory mite for the control of Thrips larvae and spider mite. They are very mobile and also feed on pollen, enabling it to survive without prey. They can be introduced preventatively in pollen-bearing crops.*

<b>Amblyseius Cucumeris</b> mini sachet (250 mites/sachet)	<b>BIO-17136</b>	1 sachet per 2 trays or 1 per pot	Sachet with hook - 500/box	Repeat every 4 weeks.	Hang on plants out of direct light or wedge hook between trays.	Start application as soon as possible. A. Cucumeris feed on Thrips larvae only.
	<b>BIO-17137</b>		Sachet with hook - 1,000/box			

*ABS-Mini breeding sachet hook easily onto plant support sticks, allowing for continuous reproduction and constant release of the predatory mite in the crop; more efficient than "broadcasting" the mites on the crop.*

<b>Amblyseius Cucumeris</b> mini sachet on stakes	<b>BIO-17022</b>	1 sachet per 2 trays or 1 per pot	500	Repeat every 4 weeks.	Push stake into pot, leave finger space between soil and sachet bottom.	Insert stake into soil making sure sachet does not come in contact w/ soil surface.
	<b>BIO-17014</b>		1,000			

*See above Cucumeris comments.*

<b>Amblyseius Swirskii</b>	<b>BIO-17148</b>	100 per m <sup>2</sup> (10/ft <sup>2</sup> )	1 x 25,000 sprinkle tube = 2,500 ft <sup>2</sup>	Repeat weekly.	Sprinkle of leaves.	Start application ASAP. A. Swirskii feeds on Thrips and Whitefly larvae as well as spider mite.
	<b>BIO-17219</b>	1 Sachet/pot	1 x 100 Sachets = 100 pots	Repeat every 4 weeks	Hang sachet from plant or pot out of direct sunlight.	Release in hot spot areas or on plants that are very attractive to Thrips.

*Amblyseius swirskii is a voracious predatory mite. The adults are beige and the nymphs are creamy white. Efficient biological control of whitefly and Thrips. The mite eats young Thrips larvae and also devours eggs and larvae of both greenhouse and tobacco whitefly. It is a generalist feeder, among other things it eats small pests such as spider mites and tarsonemid mites. It easily adapts to high temperatures and also feeds on pollen. Swirskii devours 5-10 prey a day but they need a satisfactory food source for fast population growth. The use of alternative food source Nutrimite is recommended during the first few months for optimal population growth.*

<b>Steinernema Feltiae</b> (nematodes)	<b>BIO-15007</b>	1/2 million per m <sup>2</sup>	50 million Pkg = 1000 ft <sup>2</sup>	Apply every 7 - 14 days.	Sprench on damp soil.	Do not apply in direct sunlight.
	<b>BIO-17056</b>	1/2 million per m <sup>2</sup>	50 million Pkg = 1000 ft <sup>2</sup>			
	<b>BIO-15055</b>	1/2 million per m <sup>2</sup>	5 x 250 million pkg = 25,000 ft <sup>2</sup>			
	<b>BIO-17042</b>	1/2 million per m <sup>2</sup>	250 million pkg = 5,000 ft <sup>2</sup>			

*Other pests that are targeted are, larvae of fungus gnats and mushroom fly, larvae of leaf miner. Kills the host by penetrating and the nematodes contain a symbiotic bacterium that kills insects. The bacterium releases once inside the insect, and then the nematodes multiply in the cadaver and then emerge. Good for ornamental, vegetable, soft fruits and tree nurseries.*

<b>Orius Insidiosus</b>	<b>BIO-17112</b>	0.5 per m <sup>2</sup>	1 x 1,000 bottle = 20,000 ft <sup>2</sup>	Repeat as necessary.	Hot spot application or evenly distribute through greenhouse.	Release out of direct sunlight in small piles or in application boxes.
	<b>BIO-17114</b>		1 x 2,000 bottle = 40,000 ft <sup>2</sup>			

*Orius insidiosus is an excellent predator for Thrips. Adult Orius eat all Thrips stages, while younger Orius nymphs only eat Thrips larvae. Orius can also feed on other prey such as aphids, mites or moth eggs. They sometimes kill more insects than strictly necessary for their own feeding. Orius also eat pollen, allowing preventative introductions in pollen bearing crops. In order to optimize Thrip control, a combined release with predatory mites is the best strategy.*

<b>Atheta Coriaria</b>	<b>BIO-17006</b>	1 per m <sup>2</sup>	1 x 500, 1L Tube = 5000 ft <sup>2</sup>	Once at each planting.	Place 5ml Piles out of direct sunlight.	Establishes in soil. Attacks Fungus Gnat and Shore Fly Larvae and Thrip Pupae.
	<b>BIO-17008</b>		1 x 1000, 1L Tube = 10,000 ft <sup>2</sup>			
	<b>BIO-17009</b>		1 x 3000, 5L = 30,000 ft <sup>2</sup>			

*All mobile staged on the predatory beetle Atheta Coriaria are extremely voracious and efficient predators of some of the most troublesome soil insect pests such as larvae of fungus gnats, shore flies as well as the pupae of Thrips. The adults have a large flight range, ensuring a good dispersion throughout a greenhouse. It is applicable in several ornamental, vegetable and arboricultural crops and on different media such as compost, coconut fiber or rock wool.*

<b>Hypoaspis spp.</b>	<b>BIO-17090</b>	100 per m <sup>2</sup> (10/ft <sup>2</sup> )	1 x 25,000 Tube = 2,500 ft <sup>2</sup>	Once on plugs, pots and again when transplanting.	Sprinkle lightly on soil.	Establishes in soil. Attacks Fungus Gnat larvae and Thrips pupae.
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*These mites are brown and robust and they live in the top layer of soil. They feed on harmful soil dwelling pests and can survive without prey for several weeks. They eat the larvae of fungus gnats and those of shoreflies, it also eats Thrip pupae. Both the nymph and adults feed on harmful soil pests and each mite can eat up to 5 prey a day. They contribute to reducing Thrip pupae and in the absence of prey they survive on algae and plant debris.*

<b>ThriPher Lures</b>	<b>BIO-17131</b>	1 per 100 m <sup>2</sup>	Package of 10 Lures	Replace lures every 4 - 6 weeks.	Place the ThriPher lure in one of the holes of the blue BUG-SCAN sticky traps.	Store lures in sealed package at temperature of -18°C for up to 2 years or at 4°C for up to 8 weeks.
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*ThriPher lures contain a sexual aggregation pheromone (Neryl (S)-2-methyl butanoate) to attract western flower Thrips. For a period of 4 - 6 weeks, both male and female adult Thrips are attracted and lured away from their shelters. This pheromone is specific to western flower Thrips; so harmless Thrips and beneficial insects are left alone.*

## Spider Mites

Bio Name	E/S Part#	Application Rate	Package Size	Frequency	Directions	Special Instructions
Amblyseius Californicus	BIO-17228	Low 2 per m <sup>2</sup>	1 x 5,000 Bottle = 25,000 ft <sup>2</sup>	Weekly for at least 2 applications.	Introduce on pollen producing plants or on low spider mite infestations.	Can resist temperatures between 8°C and 35°C and low humidity. Can be used preventatively. Use in conjunction with P.Persimilis in hot spots.
	BIO-17017	High 100 per m <sup>2</sup>	1 x 25,000 Bottle = 125,000 ft <sup>2</sup>			
	BIO-17016	1 sachet/2.5 running meters	100 sachets with hook	Replace every 4 – 6 weeks.	Hang sachet from plant or pot out of direct sunlight.	
	BIO-17019		500 sachets with hook			

*Amblyseius Californicus is an effective predatory mite against different species of spider mite. They are translucent with a brown-orange spot in the shape of an X on its back. It feeds on all stages on the two-spotted spider mite. It controls pest mites such as broad mite and cyclamen mite. It has a strong preference for the greenhouse spider mite, but also feeds on other mites, Thrips and pollen. It is most effective at low prey density and is less sensitive to warm and dry conditions. It tolerated cold conditions and can survive on pollen and in the absence of prey can even survive without food for a while. It eats an average of 5 prey a day and the adults prefer eating larvae and nymphs of the greenhouse spider mite. The larvae mainly eat the eggs of greenhouse spider mite.*

<b>Phytoseiulus Persimilis</b>	<b>BIO-17145</b>	Low 2 per m <sup>2</sup>	1 x 2,000 Bottle = 5,000 ft <sup>2</sup>	Weekly for 3 weeks.	Introduce once spider mites have been found.	Mist Plants w/ water to remove webbing, and increase % relative humidity.
	<b>BIO-15133</b>	High 100 per m <sup>2</sup>	1 x 25,000 Bottle = 70,000 ft <sup>2</sup>			

*Phytoseiulus Persimilis is a highly voracious predatory mite. It is efficient worldwide for the control of spider mites. Every day, the adult mite devours about 20 spider mite eggs or larvae, 10 nymphs or 5 adult spider mites. Under normal circumstances, this predatory mite population will outgrow any spider mite population. Adult females lay a lot of eggs in their lifetime. They can save your crops from spider mite infestations in a few days.*

<b>Nutrimite Predatory Mite Food</b>	<b>BIO-15065</b>	500 grams /Hectare / application	500 grams	Every 14 days, minimum of 2 - 3 application	Apply using mechanical dispersion with blower.	Product can be stored for up to two years if kept at -18°C.
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*A pollen source to supplement Amblyseius Californicus and Amblyseius Swirskii during a biological control program. By providing a food source during low pest pressure, you can increase your biological population in preparation for increased pest pressure. Excellent in a preventative program for ornamentals and vegetables.*



Mealybug						
Bio Name	E/S Part#	Application Rate	Package Size	Frequency	Directions	Special Instructions
<b>Cryptolaemus Montrouzieri</b> (Must be ordered 2 weeks in advance)	<b>BIO-17030</b>	Hot Spot	250/Unit Larvae	Weekly as needed.	Place on leaves, out of sunlight.	Female can lay up to 10 eggs a day. It takes 32 days for an egg to reach maturity. Female live for about 2 months.
	<b>BIO-15022</b>		500/Unit Adult			

The black-brown colored lady beetle is a voracious mealybug predatory in both larval and adult stages. Female adults can lay a total of 400 eggs in hot spots and a single *Cryptolaemus* larva may consume up to 250 mealybugs. When prey is scarce, they also feed on aphids and soft scales. *Cryptolaemus* larvae are covered with white waxy threads, superficially resembling its prey. This form of aggressive mimicry makes them inconspicuous in a mealy bug colony. **Typical order lead-time is two (2) weeks.**

Miscellaneous Products			
Item	E/S Part #	Package Size	Instructions / Comments
Bio Box	<b>BIO-17037</b>	50/Case	The Bio-Box is a tool for spreading beneficial insects such as Aphidoletes in any crop. Boxes can be used for many weeks.
	<b>BIO-17037-UNIT</b>	1's	
Yellow Sticky Card	<b>YELLGL-10X25-20</b>	10cm x 25cm Card (20/Pack)	1 Card per 1,000 – 2,000 ft <sup>2</sup> . Hang 20 – 30 cm above crop.
Yellow Sticky Card	<b>YELLGL-25X40-20</b>	25cm x 40cm Card (20/Pack)	Hotspots. Use for mass trapping.
Yellow Sticky Tape	<b>YELLOWGLUE125</b>	15cm x 125-meter roll	Large hotspots. Use for mass trapping.
Blue Sticky Card	<b>BLUEGLUE10</b>	10cm x 25cm Card (10/Pack)	1 Card per 1,000 – 2,000 ft <sup>2</sup> . Hang 20 – 30 cm above crop to trap Thrips.
ThriPher Lures	<b>BIO-17131</b>	10/Pack	Rate: 1 per 20,000ft <sup>2</sup> . Apply to yellow or blue sticky card. Attracts male and female Thrips.

Beehive Pollinators				
Name	E/S Part#	Application Rate	Package Size	Directions / Comments
Standard "A" Hive	<b>BEEHIVEA-STD</b>	1 hive per 20,000 ft <sup>2</sup>	Min. of 60-70 Workers and Pupae	Set in crop on stand above ground. Remove sugar water cap. Hive will last 10 weeks.
Medium "C" Hive	<b>BEEHIVEC-MED</b>	1 hive per 5,000 ft <sup>2</sup>	Min. of 30-40 Workers and Pupae	Set in crop on stand above ground. Remove sugar water cap. Hive will last 4 weeks.

Outdoor hives also available – please call our office for details.

Biological Control Chemical Compatibility Chart																				
The below chart highlights select commercial Insecticides and Fungicides and their side effects on more commonly used Beneficial Insects. Visit the Biobest website ( <a href="http://www.biobestgroup.com">www.biobestgroup.com</a> ) for a more comprehensive information of the beneficials and side effects of horticultural chemicals on them.																				
Application Method S = Spraying D = Dusting I = Irrigation		Persistence W = Weeks D = Days		Application Mode	A.andersoni	A.californicus	A.cucumeris	A.swirskii	Aphidius spp.	Aphidoletes aphidimyza	Chrysopa carnea (Lacewing)	Diglyphus isaea	Encarsia Formosa	Erectmoceris spp.	Feltiella acarisuga	Hypoaspis spp.	Nematodes	Orius insidiosus	Phytoseiulus persimilis	
Safe < 25% mortality.																				
25-50% mortality, efficacy may be somewhat reduced.																				
50-75% mortality, risk of failure before persistence period is over.																				
>75% mortality, introduce after persistence period is over.																				
INSECTICIDES	Altus	I	?	?	?					?		?	?			?	?	?	?	
	Botanigard (Beauveria bassiana)	S	?	3D						?		?		?		?				
	Dipel (BT var kurstaki) <i>BIO</i>	S																		
	Dyno-Mite 75WP (Pyridaben)	S		5D								1W	2W	1W					2D	
	Enstar EW (S-kinoiprene)	S	?				?					?				?				
	Fujimite (Fenpyroximate)	S	?	5D						2W					?		?	?		2W
	Kontos (Spirotetramat)	I	?	?	?	?		?	?	?	?	?	?	?	?	?	?	?	?	
	Kontos (Spirotetramat)	S												4W	4W	?	?	?		
	Safers Insecticidal Soap <i>BIO</i>	S	?																	
	Success 480 (Spinosad)	S				2W	2W											?	2W	1W
	Success 480 (Spinosad)	I																?		
	Tristar 70WSP (Acetamiprid)	S		5D	5D	3W								2W			1W	?	6W	1W
FUNGICIDES	Copper Spray (Copper Oxychloride)	S	?				?	?				?				?		?	?	
	Daconil (Chlorothalonil)	S																		
	Nova 40WP (Myclobutanil)	S										?				?				
	Phyton-27 (Copper Component)	S	?				?	?				?								
	Rootshield/Plus (Trichoderma harzianum / virens) <i>BIO</i>	S			?	?	?			?	?	?	?	?	?	?	?			
	Senator 50SC (Thiophanate-methyl)	S				2W				?				3D		?				2W
	Subdue Maxx (Metalaxyl)	S			?							?			?					
Truban (Etridiazole)	I						?											?		

## ORDERING BIOLOGICAL CONTROL PRODUCTS

- Orders for biological products must be placed weekly by no later than FRIDAY 3:00 P.M. CST to ensure delivery to Even-Spray's warehouse for the following Tuesday or Wednesday morning. Statutory holidays may affect order deadline and delivery dates.
- Inbound air freight charges may apply; please contact our office for more details. The maximum inbound freight charge per order is \$60.00.
- All biologicals are considered special order; all sales are final.





## Greenhouse Ornamental Insecticides







PRODUCT	Application Method(s)	Medicinal Crops	Aphids	Caterpillars	Cyclamen Mites	Fungus Gnats	Leaf Rollers	Leafminers	Mealy Bugs	Nematodes	Scales	Shore Flies	Spider Mites	Thrip	Whiteflies
<i>Application Method Key:</i> <i>D – Drench (Soil)</i> <i>F – Foliar Spray</i>															
Avid 1.9 EC	F							•					•		
Altus	F/D		•												•
Beleaf 50SG	F/D		•											•	•
BotaniGard 22WP (BIO-insecticide)	F		•											•	•
DeltaGard SC	F													•	
Dipel 2X DF (BIO-insecticide)	F			•			•								
Distance IGR (Insect Growth Regulator)	F														•
DYNO-Mite 75 WP	F												•		•
End-All II	F		•	•					•		•		•		•
Endeavor 50 WG	F		•												•
Enstar EW (Insect Growth Regulator)	F		•						•						•
Floramite SC	F												•		
Forbid 240 SC	F												•		•
FujiMite	F				•								•		•
Intercept 60 WP	Use on Ornamentals (GH and Outdoor) that are attractive to pollinators and planted outside CANCELLED effective 04/11/2021														
Kontos	F/D		•						•		•		•	•	•
Kopa Insecticidal Soap	F		•						•		•		•		•
Nemasys	F/D					•						•		•	
Pounce 384EC	F			•				•							•
PureSpray FX	F												•		
Pylon	F									•			•	•	
Safer's Insecticidal Soap	F		•						•		•		•		•
Shuttle 15 SC	F												•		
Success 480 SC	F													•	
Tetrasan 5 WDG	F												•		
SuffOil-X	F/Dip								•		•		•	•	•
TriStar 70 WSP	F		•					•							•
Trounce	F		•	•					•		•		•		•
Vegol Crop Oil	F		•		•				•		•				•
Velifer (BIO-insecticide)	F		•										•	•	•
Vendex 50 WP	F												•		
Ventigra	F		•												•

Chart information intended for quick reference only. **ALWAYS** consult complete product label for mixing and application instructions, proper usage rates, intended crops, and safe handling / storage information. For beneficial insect / biological control compatibility, see our Biological Pest Control section in this catalogue or call our office for assistance.

# Greenhouse Ornamental Insecticides



## Aldus Insecticide

- Systemic and translaminar, broad spectrum control of Aphids, Whitefly, and Leafhoppers on Greenhouse ornamentals/vegetables and outdoor ornamentals.
- Apply as a drench or foliar spray.
- Can be used in conjunction with IPM programs including many beneficials.
- Foliar Rate: 10 – 20 ml / 10 litres water.
- Drench Rate: 15 – 40 ml / 10 litres water.
- 2 litre bottle.
- PCP: 33176



## Avid 1.9 EC Miticide/Insecticide

- Registered for control of Spider Mite and Leafminer on Greenhouse-grown ornamentals and vegetables.
- Applied as a foliar spray, Avid 1.9 EC offers a translaminar entry mode into leaves, where it remains targeting feeding pests. Upon ingestion, pest stops feeding, and necrosis follows in 3 to 4 days.
- Rate: Spider Mite - 30 ml./ 100L water. Leafminer - 30 ml./ 100L water.
- 1 L easy-to-use "measure/pour" bottle.
- PCP: 24485



**NEW!**

## Beleaf 50SG Insecticide

- Soluble granule insecticide registered for the control of Western Flower Thrips, Aphids, Whitefly, and Lygus Bug in GH-grown ornamentals.
- Also registered for a broad range of other field and GH-grown crops – see label for full listing.
- Locally systemic – control by contact and ingestion.
- Foliar Rate: 20 – 30 gr/100 litres of water.
- Drench Rate: 2.8 gr/100m<sup>2</sup> in sufficient water.
- Number of apps and intervals vary – consult label.
- 680-gram container.
- PCP: 29796



## BotaniGard 22WP Mycoinsecticide

- Wettable powder Mycoinsecticide spray formula used for controlling Whitefly, Aphids, and Thrips in Greenhouse ornamentals and vegetable.
- Use when insect pressure is in early stages.
- Typically takes 7 to 10 days after first spray to see control; repeat as needed every 5 to 10 days.
- Rate – Whiteflies, Aphids: 6.25 – 12.5 grams per 10 litres of spray volume. Thrips: 12.5 – 25 grams per 10 litres of spray volume.
- 500 gram container.
- PCP: 29321



## DYNOMite 75 WP Miticide/Insecticide

- For control of Mites and Whitefly on GH-grown ornamentals, peppers, tomatoes, and cucumbers. Also registered for Mites on outdoor ornamentals.
- Contact spray; good coverage is required.
- Excellent knockdown and residual control. Assess crop 4 to 7 days after treatment.
- Rate: Mites (ornamentals) – 142-284 grams/1000L; Whitefly (ornamentals) – 284-425 grams/1000L.
- 280-gram pouch (10 x 28-gram soluble toss packs).
- PCP: 25229



## Endeavor 50WG

- Water-dispersible granule for the control of Green Peach and Black Melon aphids and reduction of whiteflies on ornamental plants in greenhouses.
- Stops insect feeding activities within hours of application. Residual activity protects plants from insects that move on to plant post-application.
- Applied as a thorough foliar spray to run-off.
- Rate: 10 – 20 grams / 100L. Maximum 2 sprays per crop cycle; minimum 7 days apart.
- 420 gram container (6 x 70 gram)
- PCP: 27273



## Forbid 240SC Insecticide / Miticide

- For control of Spider Mites, Broad Mites, and Whitefly (nymph stage) on greenhouse crops. Can also be used on field crops, vegetable, and fruit outdoors.
- Applied as a foliar spray with Translaminar movement through the leaf profile. Thorough spray coverage is recommended.
- Long-lasting control; up to 30 days.
- Ornamental Rate: 30 ml / 100 litres of water.
- 500 ml bottle.
- PCP: 28590.



## FujiMite Miticide / Insecticide

- For control of Spider Mite, Broad Mite, Cyclamen Mite, and Whitefly on indoor/GH-grown ornamentals.
- Applied as a foliar contact spray, thorough coverage of plant surface is required to achieve good control.
- Best applied at early insect development stage.
- Rate: 125 – 190 ml / 100 litres of water at 21-day intervals as needed. See label for specific rates.
- 1 L bottle.
- PCP: 32302



## Intercept 60 WP

- PLEASE NOTE: NEW LABEL REGISTRATION EFFECTIVE APRIL 11, 2021.
- Wettable powder, systemic insecticide formula.
- To be applied directly to soil, soilless media / hydroponic treatment only.
- For control of Aphids, Whiteflies on certain mature vegetable crops grown in greenhouses for production only. Cannot be used on ornamentals (greenhouse or outdoor grown) attractive to pollinators.
- See label for rates and application guidelines.
- 250-gram container.
- PCP: 27357

## Greenhouse Ornamental Insecticides

**KONTOS Insecticide**

- Liquid, fully systemic formula that can be foliar sprayed or drenched into media.
- Ornamental registration for control of Whitefly, Western Flower Thrip, Green Peach Aphid, Citrus Mealybug, Euonymus Scale, and Spider Mites.
- Foliar Rate: 13 – 26 mls / 100 litres water.
- Drench Rate: 2.5 – 10 mls / 100 litres water.
- 1 litre bottle
- PCP: 29567

**Pylon™ Miticide-Insecticide**

- Pylon is a new class of chemistry providing effective control against Western Flower Thrip, Two-spotted Spider Mites, Loopers, and Foliar Nematodes.
- Translaminar entry into plant and rainfast within 1 hour of application providing 14 – 21 days of residual control.
- Apply as a foliar spray at a rate of 20 - 156 mls/ 100 litres of water. See label for specific rates.
- 475 ml E-Z measure and pour bottle.
- PCP: 30666

**Tristar 70 WSP Insecticide**

- Water soluble packet (16 grams each) formula applied as a foliar spray.
- Targets Aphids (Green Peach and Black Melon), Whitefly, and other assorted insects indoors and outdoors.
- Unique Foliar, Translaminar, and Systemic Activity.
- Quick knockdown with long residual up to 3 weeks.
- Whitefly Rate: 80-160 grams/1000 L.
- Aphid Rate: 48 grams/1000 L of water.
- 96 gram (6x16 gram packets) pouch.
- PCP: 27127.

**KOPA Insecticidal Soap**

- OMRI Canada Certified for organic production.
- For control of a wide range of insects including Aphids, Mealy Bugs, Spider Mites, Soft Brown Scale, and Whitefly. Use indoors/outdoors, in Greenhouses on ornamentals, bedding plants, vegetables, and commercially-produced Cannabis.
- Foliar contact spray - thorough coverage of plant surface is required to achieve good insect control.
- Rate: 20 ml/ 1 L water every 1 – 2 weeks, as needed.
- 10 L bottle, 200 L drum.
- PCP: 31433

**Safer's Insecticidal Soap**

- Concentrated low-toxicity liquid Insecticide.
- For control of Aphids, Mealybugs, Spider Mites, White-fly, Soft Brown Scale, and other certain insects on vegetables, fruits, tree and shrubs, and greenhouse plantings.
- Applied as a foliar spray.
- Rate: Varies by plant species. Typical Rate is 1-2 L Safer's Soap / 100 L of water. See label for complete instructions and rates.
- 4 L, 10 L, containers, and 120 L drum.
- PCP: 14669.

**Trounce Insecticide**

- A combination of soap and Pyrethrin, a natural insecticide.
- Suppresses Aphids, Mealybugs, Spider Mites, Soft Scale, Caterpillars, and Whitefly on ornamentals and vegetables in greenhouses and outdoors.
- No harmful residue left on plants.
- 10 L container.
- PCP: 24363.

**Pounce**

- Emulsifiable concentrate containing Permethrin (384g/L) applied as a contact spray.
- Registered for a wide range of edible and ornamental crops in greenhouses and outdoors.
- Targets Whitefly on greenhouse ornamentals (see label for complete list).
- May be applied safely on many food crops up to 1 day before harvest.
- Greenhouse Whitefly rate: 26ml/100 L of water, thorough spray coverage required.
- 1 L bottle.
- PCP: 16688.

**NEW!****SuffOil-X Insecticide / Acaricide / Fungicide**

- A highly refined horticultural spray oil registered for the control of Broad and Spider Mite, Scale, Thrip, Whitefly, and Mealy Bug on GH ornamental crops and control of Whitefly on GH commercially-produced Cannabis.
- Also suppresses Powdery Mildew on a range of crops; consult specifics on product label.
- Spray Rate: 10 – 20 ml / 1,000 litres of water.
- Dip Rate: 1 – 5 ml / 1 litre of water. See label.
- 9.46-litre jug
- PCP: 33099

**Vegol Crop Oil**

- Insecticide / Miticide / Fungicide registered for control of Adelgids, Aphids, Mites, Scale, and Whitefly. Also shown to suppress Powdery Mildew.
- Applied as a spray to a wide range of indoor, outdoor, and greenhouse-grown ornamentals and food crops. Also registered for use on commercially-grown Cannabis.
- Can be used as a dormant application. Consult label.
- Rate: 20 ml/ 1 litre of water at 7 to 14 day intervals.
- 10 L bottle.
- PCP: 32408



## Greenhouse Ornamental Fungicides











PRODUCT	Application Method(s)	Medicinal Crops	Anthraco	Black Spot	Blights	Botrytis	Damping Off	Downy Mildew	Fusarium	Leaf Spot	Phytophthora Root Rot	Powdery Mildew	Pythium	Rhizoctonia	Rust	Sclerotinia
Actinovate SP (BIO-fungicide)	F					•	•		•		•	•	•	•		
Aliette WDG	F/D		•								•		•			
Supra Captan 80WDG	F			•		•	•			•			•			
Compass 50WG	F/D			•	•	•						•		•		
Cueva Commercial	F		•	•	•					•	•	•			•	
Cyclone	F			•								•				
Decree 50 WDG	F					•										
Forum	F							•								
Heritage Maxx	F/D		•			•		•		•		•	•	•		
Medallion	D								•					•		
MiiStop (BIO-fungicide)	F											•				
Micora								•								
MycoStop (BIO-fungicide)	F/D					•	•		•		•		•			
Nova 40W	F			•								•			•	
Phostrol	F/D						•				•		•			
Phyton 27	F/D			•		•				•		•		•		
Presidio Fungicide 4SC	F							•								
Prestop (BIO-fungicide)	F/D				•	•	•		•		•		•	•		
Previcur N (BIO-fungicide)	F/D						•				•		•			
PureSpray FX	F											•				
Regalia Maxx (BIO-fungicide)	F											•				
Rhapsody ASO (BIO-fungicide)	F/D		•	•	•	•				•	•	•	•	•		•
RootShield PLUS WP (BIO-fungicide)	D								•		•		•	•		
RootShield WP (BIO-fungicide)	D								•				•	•		
Senator 50 SC	F/D			•		•	•		•	•		•		•		
Subdue Maxx	D						•				•		•			
Truban 25EC	D						•				•		•			
SuffOil-X	F											•				
Vegol Crop Oil	F											•				
ZeroTol (BIO-fungicide)	F/D								•	•	•			•		



Chart information intended for quick reference only.

**ALWAYS** consult complete product label for mixing and application instructions, proper usage rates, intended crops, and safe handling / storage information.

For beneficial insect / biological control compatibility, see our Biological Pest Control section in this catalogue or call our office for assistance.

## Greenhouse Ornamental Fungicides

**Actinovate SP Bio-Fungicide**

- For suppression of powdery mildew on greenhouse grown Gerber Daisies.
- Apply as a foliar spray to wet plant, but avoid run-off.
- Rate: 1.7 grams in 3.8 L water per 100m<sup>2</sup>
- 504 gram
- PCP: 28672

**Aliette WDG Fungicide**

- Systemic fungicide used for the control of Pythium and Phytophthora on Greenhouse container-grown ornamentals and bedding plants.
- Can be applied as a foliar or drench; crops vary, so please consult full label.
- Foliar Rate: 28gr / 100m<sup>2</sup> in sufficient water for proper coverage. Max. 3 apps every 14 – 30 days.
- Drench Rate: 360gr / 380L water to cover 36m<sup>2</sup>; max 3 apps at 30-day intervals.
- 2.26kg Bag
- PCP: 24458

**Compass 50 WG**

- Trifloxystrobin 50%
- Registered as an outdoor foliar spray to control Powdery Mildew and Scab, as well as an indoor soil drench for control of Rhizoctonia Root Rot.
- Translaminar mode of action into plant leaf.
- Rate (Foliar Spray): 14 to 21 grams per 100 L
- Rate (Soil Drench): 3.8 grams per 100 litres
- 454-gram container.
- PCP: 27527

**Cueva Fungicide**

- Copper Octanoate 1.8%
- Broad spectrum copper-based fungicide for the control of many diseases including blights, leaf spot, and powdery mildew.
- Effective at low rates during the growing season or during plant dormancy.
- Rate: 0.5 – 2.0% solution on 5 to 10 day intervals – consult label for crops and specific rates.
- 10 litre jug.
- PCP: 31825

**Cyclone Fungicide / Bactericide**

- Lacto-fermented liquid fungicide and bactericide registered for suppression of powdery mildew on greenhouse ornamentals and on greenhouse cannabis produced commercially indoors. Also effective against Black Spot on roses.
- Applied as a foliar application.
- Ornamental Rate: 20 ml / 10L of water every 7 days.
- REI up to 4 hours or when dry.
- 10 litre jug.
- PCP: 30459

**Micora Fungicide**

- For control or suppression of Downey Mildew and suppression of Phytophthora Foliar Blight on GH-grown ornamentals.
- Applied as a foliar spray; thorough coverage is required for proper results.
- Rate: 30 – 60 ml / 100 litres of water every 7 – 14 days. Max. of 2 consecutive applications.
- 1-Litre container.
- PCP: 30759

**MilStop Foliar Fungicide**

- A foliar-applied fungicide registered to control or suppress Powdery Mildew on field-grown vegetables or greenhouse-grown ornamentals.
- Active: Potassium Bicarbonate 85%
- Rate: 280 – 560 grams per 1,000 m<sup>2</sup>. Use sufficient water to thoroughly cover foliage and stems.
- 2.27 kg pail or 11.35 kg bag.
- PCP: 28095

**MYCOSTOP Bio-Fungicide**

- Used for the preventative suppression of damping-off, root and crown rot, and wilt caused by Fusarium and Pythium on greenhouse ornamentals and vegetables.
- Applied as a water suspension by spraying or drenching the surface of the growing media or by drip irrigation.
- Rate (Pot plants): 2 – 5 mg in 20-50 ml per plant; repeat every 3 to 6 weeks.
- Rate (Seedlings): 2 – 10 g/100m<sup>2</sup> after seedling emergence.
- 25 Gram
- PCP: 26265

**Nova 40W**

- Water-soluble pouches for ease of use.
- Locally systemic spray formula.
- Controls Rust and Powdery Mildew on certain greenhouse vegetable and ornamental crops including peppers, roses, geraniums, and poinsettias. Can be used on a wide range of outdoor ornamentals.
- Rate: 28-34 grams/100 L water (412-500 L/140 g pouch).
- 560-gram re-sealable bag (4x140 gram).
- PCP# 22399.

## Greenhouse Ornamental Fungicides

**Phostrol Fungicide**

- Mono- and Dibasic Sodium, Potassium and Ammonium Phosphites 53.6%
- Registered for suppression of Phytophthora Root Rot on greenhouse and outdoor grown ornamentals.
- Foliar Rate: 2.9 – 5.8ml/ L water every 30 days.
- Drench rate: 1.2 – 5.6ml/ L water every 30 days.
- Also registered for use on a wide range of field-grown crops and turf – consult label.
- 10 litre jug.
- PCP: 30449.

**PRESTOP Biological Fungicide**

- Broad-spectrum preventative bio-fungicide for use on greenhouse grown bedding plants, herbs, and vegetables.
- Can be used as a pre-plant media treatment or post-plant foliar spray or soil drench.
- Compatible with IPM programs.
- Rate: Applied as a 0.5% to 1.0% solution.
- Easy to use.
- 100-gram solupak.
- PCP: 28820

**Regalia Maxx Bio-Fungicide**

- A plant extract engineered to induce the plants' natural defense mechanisms against certain fungal and bacterial diseases when applied to actively growing tissues in the treated leaf area, buds, and fruit.
- For suppression of Powdery Mildew on ornamentals.
- Ornamental Foliar Rate: 2.5 ml per litre of water.
- Can be used on greenhouse or outdoor grown ornamentals, select food crops, and indoor commercially-grown Cannabis.
- 3.75 litre jug
- PCP: 30199

**Rhapsody ASO Bio-Fungicide**

- A broad spectrum, preventative bio-fungicide for use on ornamentals to suppress Powdery Mildew, Botrytis Blight, Leaf Spot, Anthracnose, Black Spot, Rhizoctonia, Pythium, and Phytophthora.
- OMRI certified for organic growing.
- Registered for use on field grown food crops.
- Foliar Rate: 1 – 2 litres/ 100L water every 7 – 28 days. Thorough coverage required.
- Drench Rate: 1 – 2 litres/ 100L water.
- 9.46 L jug.
- PCP: 28627

**RootShield PLUS WP Bio-Fungicide**

- Provides suppression of root rot caused by Pythium, Rhizoctonia, Fusarium, and Phytophthora.
- Provides up to 10 weeks per app of protection, healthier roots, and increased root mass potential.
- Contains two active ingredients (Trichoderma harzianum, strain T-22 and Trichoderma virens, strain G-41)
- Drench Rate: 30 – 60 grams / 100L water per 10m<sup>2</sup> of soil surface.
- Available in .453kg, 1.36kg, and 13.6kg sizes.
- PCP: 30539

**Senator 50 SC Systemic Fungicide**

- New liquid version of the popular Senator WP.
- Thiophanate-Methyl 500g/L
- Registered for Powdery Mildew, Botrytis, Leaf Spot as well as Stem, Crown, & Root Rot caused by Fusarium and Rhizoctonia in Greenhouse grown ornamentals.
- Spray/Sprenc or soil drench – consult label.
- Rate: 9.1 - 11.9 ml per litre of water.
- 10 litre jug
- PCP: 32096

**Subdue MAXX**

- Easy-to-mix micro-emulsion concentrate.
- Used as a soil drench to control root and stem diseases (Pythium and Phytophthora) on outdoor and greenhouse grown foliage and bedding plants.
- Also controls Phytophthora Root Rot on outdoor and greenhouse grown conifers.
- Drench Rate: 24-40 ml/1000 L per 200 m<sup>2</sup>.
- 1-litre plastic bottle.
- PCP: 27055.

**Truban Fungicide**

- 30% Wettable powder or 25% EC formulas.
- Controls Damping-Off root and stem diseases caused by Pythium and Phytophthora in nursery and ornamental plants.
- Applied as a soil drench or dry pre-plant mix into soils.
- Wettable powder also registered for turfgrass.
- WP Rate: 150-225 grams in 600 L up to 600-900 grams in 1200 L water per 100 m<sup>2</sup>.
- EC Rate: 120-600 ml. in 506-950 L water per 100 m<sup>2</sup>.
- PCP# 11460 (WP) or 12222 (EC).

**ZeroTol Bio-Fungicide / Algicide**

- Provides control of Fusarium Leaf Spot and Rhizoctonia and suppression of Alternaria Leaf Spot and Xanthomonas on bedding plants and non-edible crops.
- Also treats algae on wood and non-porous surfaces in greenhouses.
- Fungicide Rate: 10 ml/11-19 L of water per 100 m<sup>2</sup>.
- Algicide Rate: 3.3 – 20 ml/1 L of water.
- 9.46 Litre Drum
- PCP: 29508



## Greenhouse/Nursery - Miscellaneous

## Recommended RE-ENTRY INTERVALS (R.E.I.) for Commonly Used Greenhouse Ornamental Insecticides and Fungicides

Insecticides				Fungicides			
PRODUCT	R.E.I.	PRODUCT	R.E.I.	PRODUCT	R.E.I.	PRODUCT	R.E.I.
Altus (spray)	12 Hours	Intercept 60WP	When Dry	Acrobat 50WP	12 Hours	Phyton 27	24 Hours
Avid 1.9 EC	When Dry	Kontos	12 Hours	Actinovate SP	1 Hour	Prestop	4 Hours
BotaniGard 22WP	4 Hours	Nemasys	N/A	Aliette Ornamental	When Dry	Previcur N	12-24 Hours
DeltaGard SC	12 Hours	Pounce 384EC	When Dry	Compass 50WG	12 Hours	Regalia Maxx	When Dry
Dipel 2X DF	0 Hours	Pylon	12 Hours	Cueva	4 Hours	Rhapsody ASO (spray)	When Dry
Distance IGR	12 Hours	Safer's Soap	0 Hours	Decree	4 Hours	RootShield (all formats)	4 Hours
DYNO-Mite 75WP	12 Hours	Shuttle 15SC	12 Hours	Milstop	4 Hours	Senator SC 50	N/A
Endeavor 50WG	12 Hours	Success 480SC	12 Hours	Mycostop	0 Hours	Subdue Maxx	24 Hours
Enstar EW	12 Hours	SuffOil-X	12 Hours	Nova 40W	12-24 Hours	Truban 25EC	12 Hours
Floramite SC	12 Hours	TriStar 70WSP	12 Hours	Phostrol	12 Hours	ZeroTol	When Dry
Forbid 240SC	12 Hours	Trounce	When Dry	NOTE: Products indicated as N/A – no label information available at time of publication.			

Above information provided only as a quick reference guide – PLEASE READ PRODUCT LABEL for complete R.E.I. instructions and precautions.

**Stim-Root Rooting Powder**

- Helps stimulate rapid rooting of cuttings.
- Easy-to-Use: Dip cutting in powder, tap off excess, plant into rooting medium.
- Available in three strengths - #1 (softwood), #2 (semi-hardwood), and #3 (hardwood) to meet your propagating needs.
- Sold in 500-gram jars and 10-kilogram drums.

Stim-Root is a registered trademark of Master Plant-Prod Inc.

**Stim-Root Liquid**

Liquid Stim-Root effectiveness comes from higher concentrations of IBA, more uniform application to cuttings, and better penetration into woody cuttings. Available in three strengths:

- Stim-Root 2500 – Easy-to-root cuttings
- Stim-Root 5000 – Moderately difficult to root species
- Stim-Root 10000 – Slow to root species
- All sizes 1-Litre

**AquaGro 2000L Greenhouse Soil Surfactant**

AquaGro 2000L helps you achieve uniform soilless media moisture levels by combating water repellency.

- Easily incorporated into a fertilizer injector program.
- Reduce water and fertilizer leaching – save water and labour costs, increase efficiency and profits.
- Maintenance Rate: 10 PPM (10 ml/ litre in stock tank with injector set at 1:100 or 1%).
- 10 L jug

## Structural &amp; Equipment Sanitation/Cleaning Products – A Wide Range Available to Meet Your In-Season and Post-Season Needs

**SaniDate 5.0 Sanitizer/Disinfectant**

SaniDate 5.0 Sanitizer/Disinfectant is for use in circulation cleaning and institutional/industrial sanitizing of pre-cleaned, hard, non-porous surfaces.

- Labeled to control Algae, Bacteria, and Viruses (including Human Coronaviruses) on hard surfaces.
- No rinse, no harmful residue.
- Apply by foam, fog, coarse spray, cloth (or other direct contact application method).
- REI: Zero hours (until treatment has dried).
- 2.5 USG and 5.0 USG container.

USE	DILUTION	TREATMENT TIME
Virucidal	4ml / L of water	10 Minutes
Sanitation	2.5 ml / L of water	1 Minute
Disinfection	4ml / L of water	10 Minutes

**KleenGrow**

KleenGrow is a mild quaternary ammonium chloride compound, which kills bacteria and offers excellent mildew control.

- An essential tool for any greenhouse sanitation program.
- Apply by spray, brush, and dipping.
- Available in 4L, 20L, and 205L containers.
- PCP: 13148

USE	RATE / L WATER	RINSE
GH floors, walkways	8 ml.	NO
GH benches, equipment	8 ml.	YES
Footbaths	NO	NO
Walls, ceilings	8 ml.	NO
Mildew / Mold control	30 ml.	NO

**Horti-Klor**

An active chlorinated detergent designed to help meet the highest greenhouse sanitation standards. The mixture of detergents and emulsifiers dislodges stubborn material such as algae, whitewash, oily residue, and dirt.

- Available in 20L and 205L sizes

USE	APPLICATION	DILUTION
Totes, bins, plug trays, pots	Dip tank, brush	20-60 ml./L
Picking equipment, packing equipment	Backpack Sprayer	20-40 ml./L
Coolers	Injection	

# Greenhouse Plant Growth Regulators

Key Features	A-Rest	B-Nine WSG	Bonzi	Cycocel Extra	Promalin	Florel 240 SC	Sumagic
<b>Product Size</b>	4 Litre	500 Gr. / 10 Kg.	1 Litre	1 & 10 Litre	500 Mls.	1 Litre	4 Litre
<b>Crops</b>	Easter Lilies, Poinsettia, and Chrysanthemums	Geranium, Poinsettia, Azalea, Hydrangea, and bedding plants	Geranium & Bedding Plants	Geranium and Poinsettia	Easter Lilies	Potted Greenhouse Ornamentals (See label details)	Geranium, Poinsettia, Easter Lilies, and certain bedding plants
<b>Application</b>	Apply as drench to moist soil	Foliar application just to runoff	Foliar Spray or Soil Drench	Apply as drench to moist soil	Foliar spray; good coverage required	Foliar Spray, But NOT to Runoff	Foliar Spray Only
<b>Mode of Action</b>	Reduces internode elongation producing more compact plants	Translocates within plant reducing internode elongation	Reduces internode elongation producing more compact plants	Absorbed by roots, moves systemically to actively growing shoots	Only plant parts covered by spray protected from leaf yellowing	Foliar spray enters plant, breaks down to ethylene and increases lateral branching	Retards elongation rapidly. Rate assessment within 7 days
<b>Absorption Time</b>	30 minutes	Keep wet as long as possible	30 minutes	Keep wet as long as possible	N/A	N/A	30 minutes
<b>Notes / Tips</b>	Easy to use.	Water-soluble; only moves into plant when leaves are wet.	Ensure accurate mixing rate. Agitate frequently. Lower temps enhance effect.	Water-soluble; needs time to move into plant.	To decrease yellowing of lower leaves and delay flower decline.	Highly active; mix and apply at cooler temps in pH buffered water.	Be careful of mixing/calibration rates. Agitate frequently.



## A-Rest

- Liquid concentrate registered for height control of Easter Lilies, Poinsettias, and Chrysanthemums.
- Applied as a drench treatment to moist soil.
- Reduces internodal elongation resulting in a more desirable, compact plant.
- Degree of regulation dependent on amount of active ingredient applied to plant.
- Rate: 8.4 ml - 34.5 ml/L of water. See label for drench volumes and pots treated.
- 4 litre container.
- PCP: 12225.



## B-Nine WSG

- Water soluble formula in an easy-to-use, low dust granule.
- Applied as a foliar spray to point of run-off.
- Use on a wide variety of container-grown bedding plants, Poinsettias, Azaleas, Chrysanthemums, and Hydrangeas.
- Produces stronger stems, greener leaves, and more drought-tolerant plants.
- Rate: 1.8 grams - 12 grams/L of water.
- 500 gram or 10 kg containers.
- PCP: 17465.



## Bonzi

- Liquid concentrate PGR registered for use on container-grown ornamental bedding plants and plugs.
- Applied as a foliar spray or into the soil.
- Reduces internodal elongation.
- Rate: Suggested application method and rate varies by crop. Please consult label before use.
- 2 L bottle.
- PCP: 25635.



## Cycocel Extra

- Concentrated liquid PGR registered for use on greenhouse-grown Poinsettias and Geraniums.
- Retards growth while enhancing appearance of plant - compact with shorter nodes, stronger stems, and smaller, darker green foliage.
- Applied as a uniform media drench.
- Rate: 325-650 ml/100 L of water = 1500-3000 ppm Active Ingredients. Drench volume depends on pot size. See Label. (i.e. 6" pots=180 ml. drench).
- 1 L or 10 L container.
- PCP: 17001.



## Florel 240 SC

- A Plant Growth Regulator intended to increase lateral branching of many potted greenhouse grown ornamentals including Begonia, Geranium, New Guinea Impatiens, and Poinsettias.
- Apply as a spray to thoroughly wet foliage, but NOT to runoff.
- Rates vary by plant species - please consult and follow label mixing rates accurately.
- Restricted-entry interval (REI) of 12 hours.
- 1 litre container.
- PCP# 29593



## Sumagic

- An extremely active PGR. Very accurate measuring, diluting, and application is required.
- Registered for Poinsettias, Chrysanthemums, Easter Lilies, Geraniums, and a range of bedding plants listed on the label.
- Applied as a foliar spray.
- Rate: Varies by plant variety; please consult label. Sample Rates: Poinsettias: 4-16 ml/2 L of water/10m<sup>2</sup> Impatiens: 5-20 ml/2 L of water/10m<sup>2</sup>
- 4 L container.
- PCP: 25781.

## Tree Care – ARBOR-Jet



## SAVE YOUR TREES FROM THE EMERALD ASH BORER

**IMA-Jet Injectable Insecticide**

IMA-Jet is a micro-injectable systemic insecticide which fights against the Emerald Ash Borer and Asian Long-Horned Beetle in ornamental nursery trees, landscaping, and municipal, provincial, and national forestry.

- 5% Imidacloprid
- Application rate varies based on DBH of tree being treated.
- 1 L Squeeze / Pour Bottle
- PCP: 31375

PART	DESCRIPTION	PRICE(K)
ARB-IMAJET	IMA-Jet Insecticide 1 Litre	CALL

**QUIK-Jet Air Kit**

ARBOR-Jet's **QUIK-Jet Air** is the latest weapon in the war against insects such as the Emerald Ash Borer. The innovative design is lightweight and easy to use that maximizes productivity and reduces labour time and costs.

The **QUIK-Jet Air** features one-thumb switch operation, precise dose measuring, and air-powered injection in a rugged aluminum body weighing less than one kilogram.

**The QUIK-Jet Air kit includes:**

- 1 QUIK-Jet device
- 1 Litre supply bottle
- 1 Protective storage bag for QUIK-Jet device
- 1 Belt Hook
- 1 Belt Clip
- 1 Arborplug setter
- 1 Needle clean-out tool
- 1 3/8" Drill Bit
- 1 9/32" Drill Bit
- 1 Pair Safety Glasses
- 1 Graduated Cylinder
- 1 Storage Bucket
- 1 Funnel
- 500ml of CLEAN-Jet
- 1 Training Manual w/ DVD

PART	DESCRIPTION	PRICE(K)
ARB-905000	ArborJet QUIK-Air Tree Injection Kit	CALL

**Also Available:**

The **QUIK-jet** is a cost-effective manual tree injection tool designed for lower dose applications. The QUIK-jet kit is a good starter kit for someone just getting into trunk injection or has a limited number of trees to treat.

PART	DESCRIPTION	PRICE(K)
ARB-905005	ArborJet QUIK-Jet Tree Injection Kit	CALL

**Also Available:**

Patent pending, **ARBORplugs** are the key element of the IMA-Jet injection system into tree trunks. The self-sealing surgical septum prevents product leakage and loss during and after the injection process. Available in two sizes for small/medium or medium/large trees. In bags of 100.

PART	DESCRIPTION	PRICE(K)
ARB-905020	#3 ARBORplug – 9/32" Small/Medium tree	CALL
ARB-905015	#4 ARBORplug – 3/8" Medium/Large tree	CALL

*Even-Spray stocks IMA-Jet Insecticide, ArborJet QUIK-Jet AIR and QUIK-Jet Injection kits as well as a wide range of service parts for your ArborJet equipment to keep you up and running.*



**FAST**  
Injections in minutes



**EFFECTIVE**  
Backed by 15 years of research



**ECONOMICAL**  
Low material costs and reduced labour






**DRAMM**
**Gilmour**  
GARDENING INNOVATION

# Pruning Tools



## DRAMM Compact Shear

- Fine point Stainless Steel blade for detailed work.
- Excellent for taking plant cuttings.

PART	DESCRIPTION	PRICE (H)
DRAMM-SHEAR	Compact Pruning Shear	15.40



## DRAMM Compact Bypass Pruner

- Stainless Steel Blade.
- Designed for pruning woody stems 5/8" or less.
- Ergonomically-designed grip.

PART	DESCRIPTION	PRICE (H)
DRAMM-BYPASS	Compact Bypass Pruner	24.15

## DRAMM Pruning Tool Holster

- Attaches to belt with metal clip.
- Breathable mesh pocket; nylon and PVC construction.
- Fits most small pruning tools.



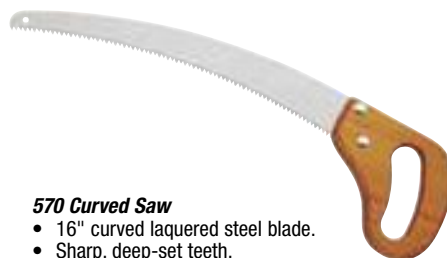
PART	DESCRIPTION	PRICE (H)
DRAMM-HOLSTER	Nylon Pruner Holster	11.00



## 24" Bow Saw

- Hardened and tempered "raker" tooth blade for fast cutting and long life.
- Handle design allows for large branch cutting.
- Easy blade replacement.

PART	DESCRIPTION	PRICE (G)
524	24" Bow Saw	17.30
524B	Replacement Blade for 524 Saw	6.40



## 570 Curved Saw

- 16" curved laquered steel blade.
- Sharp, deep-set teeth.
- Durable hardwood handle.

PART	DESCRIPTION	PRICE (G)
570	16" Curved Blade Saw	28.90



## Felco Holster for Pruning Shears

For belt or pocket, high tension metal clip on back.

PART	DESCRIPTION	PRICE (I)
FELCO910		18.35



## Felco 211 Series Loppers

These compact, lightweight loppers cut big and smoothly through branches up to 1 3/8" (35mm) in diameter. The F211 high-performance cutting head pulls in the branch while slicing through it, thanks to the hooked counter blade and variable radius on the blade. Precision, power, and comfort; what you should expect in a quality Felco product.

- Lightweight, durable I-Beam constructed handles with comfort grips and shock absorbers that protect wrists and hands.
- Available in three sizes to suit your pruning job needs.
- Replacement parts are available.

PART	DESCRIPTION	PRICE (I)
FELCO211-40	40cm / 15.7" Lopper	101.20
FELCO211-50	50cm / 19.7 Lopper	108.35
FELCO211-60	60cm / 23.6 Lopper	115.60



## Felco 2

- Length 8 1/2"
- Weight 8 1/2 oz.

PART	DESCRIPTION	PRICE (I)
FELCO2	Pruner - "The Original"	88.90
FELCO-F8	RH Pruner - Ergonomic Grip	85.50
FELCO-F9	LH Pruner - Ergonomic Grip	85.50

NOTE: RH = Right Hand LH = Left Hand



## Felco 600 Pruner

There is nothing ordinary about this patented blade design. The shape of the blade is thinner at the top and thicker at the bottom – where the teeth are. This unique feature keeps only the teeth in contact with the material to be cut. This prevents clogging and binding, since the sides of the blade never come in contact with the wood.

- Cuts branches up to 4" (10 cm) dia.
- 14" (35 cm) overall length.
- 6" (16 cm) blade, 4.9 oz. (140 g)

PART	DESCRIPTION	PRICE (I)
FELCO600	Saw	39.05
FELCO600-3	Blade	31.05



## Felco 31 Series Anvil Pruner

The anvil pruning shears that take no prisoners when cutting through hard or dead wood! The ultra-sharp Felco 31 will prove to be your greatest ally – whether you are left or right-handed.

- Can be used either left-handed or right-handed.
- Anvil design will cut branches up to .98" (25mm) in diameter.
- Ergonomic design of handle fits your hand perfectly.
- Ultra-sharp cutting blade

PART	DESCRIPTION	PRICE (I)
FELCO31	Felco 31 Anvil Pruner	74.90

## Felco Lubricant Spray

The rapidly biodegradable Felco spray uses a 100% synthetic-based non-stick formula that remains stable with age and oxidation. Specially developed for cleaning all mechanical parts of gardening and workshop tools, it will never become resinous. The Felco spray protects all types of metals permanently against corrosion and provides an effective water-proof coating. Contains NO butane.



PART	DESCRIPTION	PRICE (I)
FELCOF980	Spray Lube 1.89 fl.oz.	21.60

# Greenhouse/Nursery - Miscellaneous



## Specticle G Pre-Emergent Herbicide

Selective herbicide for season-long control of over 49 broadleaf and grass weeds in container-grown trees, shrubs, and ornamentals.

- See label for complete list of weeds controlled and plants tolerant to Specticle G.
- Rate: 3.36kg / 100m<sup>2</sup> (equivalent to 0.50 grams per 6" pot). Irrigate (6mm water) to activate.
- 20 kg bag.
- PCP: 32804



## Bobbex Deer & Rabbit Repellent

All natural, safe and proven effective, Bobbex Deer and Rabbit Repellent is the most effective, long lasting deer repellent on the market.

- Environmentally friendly, natural ingredients only.
- Works by smell and taste aversion; not offensive to humans.
- Can be applied in almost any climate or temperature and will not wash off. Dries clear on the plant.
- Mixing Rate: 1 part Bobbex to 5 parts water. Apply every 14 – 28 days.
- 1.42L RTU, 3.78L and 10L concentrate.
- PCP: 29804



## Copper Spray

- Foliar-sprayed wettable powder fungicide.
- For use on a wide range of outdoor vegetable, fruit, and ornamental crops.
- Controls a wide range of diseases such as Downy Mildew, Blights, and Needlecast.
- Rates: Most crops 2-4 kgs./1000 L of water.
- 2-kilogram bag.
- PCP# 19146.



## Casoron G-4

- A granular broad spectrum annual and perennial weed control for nurseries, established plantings of woody ornamentals, shelter belts, and certain landscape settings.
- Application Rate: 110 – 175 kilograms / Hectare
- Container stock: 100 Kg / Hectare; water in immediately
- 22.7 Kg bag
- PCP: 12533



## Ramik Green Rodenticide

Weather resistant rodenticide for control of mice, rats, and ground squirrels indoors and outdoors.

- Active Ingredient: Diphacinone 0.005%
- 7.5 Kg pail (150 x 50 gram toss-n-go packets)
- PCP: 11669



## Funginex DC

- Easy-to-use emulsifiable concentrate.
- Fully systemic spray formula.
- Controls Powdery Mildew and Blackspot on outdoor grown roses and ornamentals.
- Limited use on certain fruit crops (see label).
- Rate: 1 L/1000 L water.
- 5-litre container.
- PCP# 27686



## Max Tapener Model HT-R1 Hand Tying Machine

For quick action of tying tomatoes, shrubs, and all plants that require extra support. Easy, simple operation - tie plants with the squeeze of your hand.

Only one squeeze of the handle stretches the tape between the jaws, ready to wrap around the plant stem and support. A second squeeze staples the tape firmly and then cuts it off neatly. The device is then ready to continue tying.

- #15 Blue Tape - 11mm Wide x 26M Long x 100micron Thick
- #25 Red Tape - 11mm Wide x 16M Long x 250micron Thick

PART	DESCRIPTION	PRICE (K)
MAXTAPENER	Max Tapener Model HT-R1	75.50
MAXBLUE	Max Tape - #15 Blue (10/box)	19.90
MAXRED	Max Tape - #25 Red (10/box)	19.90
MAXSTAPLE	Max Staples 604E-L (4800/box)	6.35
MAXBLADE-II	Max Blade, serrated (2/pack)	10.95
MAXSPRING	Max Spring (1/pack)	3.90



## Kool-Ray Classic

Kool-Ray is a concentrated liquid shade used to lower the temperatures inside greenhouses in the warm spring and summer months.

- Average coverage rate per gallon is 175 ft<sup>2</sup>, but can vary based on dilution rate. Read full label.
- Dilution Rate: 5:1 to 8:1 Kool-Ray: Water. A dilution rate of 8:1 provides roughly 31% reduction in light.
- Available in 1 US gallon and 5 US gallon sizes.
- Use XTRA-Stik to improve adhesion of Kool-Ray Classic. Sold in a 1 US gallon jug.

## Chemical List

2,4-D Amine  
Acelepryn-G  
Actinovate SP  
Affirm  
Alette WDG  
Altus  
Anti-Desiccant  
Antifoam Agent  
Aquagro 2000  
Aquaplex Ca  
Arena  
A-Rest  
Aspect  
Assert SC  
Avid  
Bactri Pond  
Badge  
Banner Maxx  
Banvel  
Basagran  
Basamid  
Beleaf  
Betamix B  
Big Foot Spray Dye  
Blast Sprayable  
Blue Glue Trap  
B-Nine WSG  
Bonzi  
Borax  
Border T & O  
BotaniGard 22WP  
Breaker  
BroadStar  
Buffer Solution  
Cabrio  
Cadence  
Calcium Chloride  
Captan 80WSP  
Cascade  
Casoron  
Chateau  
Citation 75WP  
Citric Acid  
Civitas  
Compass 50WG  
Copper Spray  
Coppercide WP  
Coregan  
Cueva  
Cyclone  
Cycocel Extra  
Daconil 2787  
Dacthal W-75  
DDVP EC  
Decree 50 WDG  
Delegate WG  
DeltaGard 20EW  
DeltaGard SC  
Demand SC  
Devour  
Devrinol DF-XT (WQL)  
Devrinol 2-XT  
Diazinon EC  
Dipel 2X DF  
Diplomat 5SC  
Disarm  
Distance

Dithane DG  
Dragnet  
Dual II Magnum  
DYNO-Mite  
Dyvel  
EcoClear  
End-All  
Endeavour 50WG  
Enstar EW  
Entrust  
Equal WP (WQL)  
Exirel  
Fiesta  
Finalsan  
Florel  
Floramite SC  
Forbid 240SC  
FujiMite  
Funginex DC  
Gallery 75 DF  
Garlon RTU  
Garlon XRT  
GroSpurt  
Grub-Gone  
Halt  
Heritage Maxx  
Honor  
Horti-Klor  
Hydrogen Peroxide  
Ima-Jet  
Imidacloprid  
Insignia Duo  
Instrata  
Instrata II  
Intercept  
Iron Chelate  
Jet Black  
Kabuto  
Karmex  
Kasumin  
Kerb SC  
Kleengrow  
Kocide  
Kontos  
Kool Ray  
Kopa  
Kumulus  
Lagon  
Landscape Oil  
Leaf Shield (WQL)  
LI 700  
Lime Sulphur  
Lontrel 360  
Lorsban 4E (WQL)  
Maestro  
Malathion  
Matador  
Maxtima  
MCPA  
Mecoprop  
Medallion  
Merge  
Mertect SC  
Met 52  
Micora  
Milestone  
MilStop

Munger's Hort Vinegar  
Mycorise  
Nitric Acid  
Nova 40W  
Oracle  
Orthene  
Oxidate 2.0  
Par III  
Phosphoric Acid  
Phostrol  
Phyton-27  
Pinpoint  
Play-Off  
Poast Ultra  
Polydex  
Posterity  
Pounce 384EC  
Premis 200F  
Presidio 4SC  
Prestop WP  
Previcur N  
Primer  
Primo Maxx  
Pristine WG  
Promalin  
Prophesy  
Propiconazole (QP)  
PureSpray FX  
Pyganic EC 1.4  
Pylon  
Pyrate  
Pyrifos  
Quadris  
Quicksilver  
Ramik Green  
Redusol  
Regalia Maxx  
Regreen  
Renovo  
Replace  
Revolution  
Reward  
Rhapsody ASO  
Ridomil Gold  
Rival EC  
Ronstar  
Rootshield WP  
Rootshield Plus WP  
Roundup  
Royal MH-30 Extra  
Safer's Insecticidal Soap  
Sanidate 5.0  
Secure  
Senator 50SC  
Serenade  
Shuttle 15SC  
Sinbar  
Sluggo  
Specticle G  
Spectrum  
Stim-Root  
Strip-It  
Subdue Maxx  
Success 480SC  
Suffoil-X  
Sulphur  
Sulphuric Acid

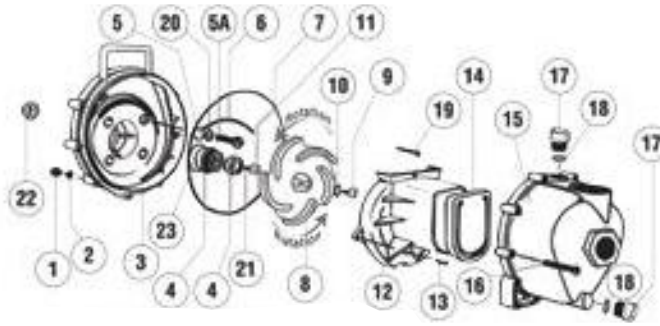
Sumagic  
Super Spreader  
SureGuard  
Surround WP  
Switch 62.5WP  
Sword  
Tank Cleaner  
Tanos 50DF  
Tavino  
Telar XP  
T-NEX  
Tetrasan  
Tordon 22K  
Torpedo  
Tourney WDG  
Treflan  
TriStar 70WSP  
Trounce  
Truban  
True Blue  
Upcycle  
Vanquish  
Vectobac  
Velocity SP  
Vegol Crop Oil  
Velista  
Vendex 50W  
Verimark  
Ventigra  
VP 480  
Yellow Glue Traps  
ZeroTol

**DON'T SEE  
THE PRODUCT  
YOU ARE LOOKING FOR?  
CALL US!**

**BIOLOGICALS**

Amblyseius Andersoni  
Amblyseius Californicus  
Amblyseius Cucumeris  
Amblyseius Swirskii  
Aphidius Colemanii  
Aphidoletes Aphidimyza  
Aphid Banker Plants  
Atheta Coriaria  
Beehive Pollinators  
Cryptolaemus Montrouzieri  
Delphastus  
Diglyphus  
Encarsia System  
Ertomocerus Eremicus  
H. Convergans (Ladybugs)  
Heterorhabditis  
Hypoaspis spp.  
Harmonia  
Lacewing Larvae (C. Carnea)  
Nemasys  
Orius Insidiosus  
Pepper Mite Thrip  
Persimilis  
Steinernema feltiae  
Stethorus

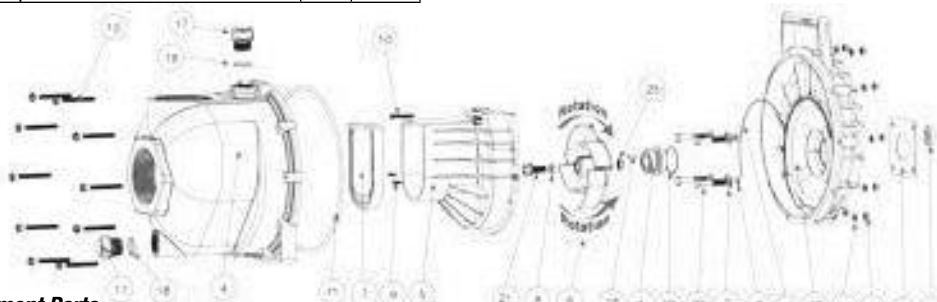


**2" Banjo Poly Pump Replacement Parts**

N/S = Not Shown

REF	PART	DESCRIPTION	REQ'D	PRICE (F)
1	V07019	SS Body Nuts	10	<b>1.60</b>
2	V07018	SS Lock Washers	10	<b>1.60</b>
3	12703A	Poly Pump Rear Bracket	1	<b>96.10</b>
4	12713	Seal Assembly	1	<b>47.05</b>
4	12713V	FKM (viton type) Seal Assembly w/316 SS Cup and Spring	1	<b>78.25</b>
5	12717	O-Ring for Screw Head	4	<b>1.00</b>
5	12717V	FKM (viton type) O-Ring for Screw Head	2	<b>1.20</b>
5A	12715A	SS Bracket Screws	4	<b>4.10</b>
6	12754	O-Ring Segment	1	<b>6.45</b>
6	12754V	FKM (viton type) O-Ring Segment	1	<b>10.40</b>
7	12719A	Body O-Ring	1	<b>15.35</b>
7	12719AV	FKM (viton type) Body O-Ring	8	<b>68.35</b>
8	12772	5 Vane Impeller	1	<b>45.05</b>
9	12765A	SS Impeller Bolt	1	<b>19.35</b>
10	12774VA	Impeller Bolt Gasket	1	<b>1.75</b>
11	12775A	Impeller Hex Nut	1	<b>15.35</b>
12	12702A	Poly Pump Volute	1	<b>72.30</b>
13	12725	SS Volute Screws	2	<b>4.10</b>
14	12705	Poly Pump Check Valve	1	<b>17.35</b>
14	12705V	FKM (viton type) Pump Check Valve	1	<b>118.85</b>

REF	PART	DESCRIPTION	REQ'D	PRICE (F)
15	12712A	Body Assembly	1	<b>148.55</b>
16	12720	SS Body Screws	10	<b>4.10</b>
17	12777	Prime/Drain Plug	2	<b>3.05</b>
18	UV15163	Prime/Drain Plug O-Ring	2	<b>1.60</b>
18	UV15163V	FKM (viton type) Prime/Drain Plug O-Ring	1	<b>6.35</b>
19	12900	SS Upper Volute Screw	4	<b>1.70</b>
20	12901	SS Rear Bracket Washer	1	<b>1.00</b>
21	12902A	Impeller Key	1	<b>2.00</b>
22	12716	Poly Pump Slinger	1	<b>6.45</b>
23	12710	O-Ring for Seal Assembly	1	<b>4.10</b>
23	12710V	FKM (viton type) O-Ring for Seal Assembly	1	<b>10.40</b>
N/S	12882A	Bearing Pedestal	1	<b>233.80</b>
N/S	12099	7/16" - 14 x 1.25" HHCS	1	<b>4.10</b>
N/S	12000A	5 Vane Impeller Repair Kit - includes REF 4 - 8, 10, 14, 18, 22, 23, & 12099		<b>106.00</b>
N/S	12000AV	FKM (viton like) Impeller Repair Kit - includes REF 4-8, 10, 14, 18, 22, 23, & 12099	1	<b>199.55</b>
N/S	12999A	Pump Seal/O-Ring Kit - includes REF 4 - 7, 10, 18, 22, 23 & 12099		<b>78.25</b>

**3" Banjo Poly Pump Replacement Parts**

N/S = Not Shown

REF	PART	DESCRIPTION	REQ'D	PRICE (F)
1	12713	Seal Assembly	1	<b>47.05</b>
1	12713V	FKM (viton Type) Seal Assembly w/316 SS Cup & Spring	1	<b>78.25</b>
2	12901	SS Rear Bracket Washer	1	<b>1.00</b>
3	12717	O-Ring for Screw Head	4	<b>1.00</b>
4	12717V	FKM (viton type) O-Ring for Screw Head	2	<b>1.20</b>
4	13712	Body Assembly	1	<b>198.05</b>
5	13702	Poly Pump Volute	1	<b>78.25</b>
6	13771	4 Vane Impeller	1	<b>63.40</b>
7	12705	Poly Pump Check Valve	1	<b>17.35</b>
7	12705V	FKM (viton type) Pump Check Valve	1	<b>118.85</b>
8	12774VA	Impeller Bolt Gasket	1	<b>1.75</b>
9	12900	SS Upper Volute Screw	4	<b>1.70</b>
10	12725	SS Volute Screws	2	<b>4.10</b>
11	12719A	Body O-Ring	1	<b>15.35</b>
11	12719AV	FKM (viton type) Body O-Ring	8	<b>68.35</b>
12	12754	O-Ring Segment	1	<b>6.45</b>
12	12754V	FKM (viton type) O-Ring Segment	1	<b>10.40</b>
13	12720	SS Body Screws	10	<b>4.10</b>
14	V07018	SS Locker Washers	10	<b>1.60</b>
15	V07019	SS Body Nuts	10	<b>1.60</b>
16	12902A	Impeller Key	1	<b>2.00</b>

REF	PART	DESCRIPTION	REQ'D	PRICE (F)
17	13777	Prime/Drain Plug	2	<b>4.90</b>
18	13778	Prime/Drain Plug O-Ring	2	<b>2.10</b>
18	13778V	FKM (viton type) Prime/Drain Plug O-Ring	2	<b>3.35</b>
19	12703A	Poly Pump Rear Bracket	1	<b>96.10</b>
20	12710	O-Ring for Seal Assembly	1	<b>4.10</b>
20	12710V	FKM (viton type) O-Ring for Seal Assembly		<b>10.40</b>
21	12765A	SS Impeller Bolt 5/16 x 24 x 1.12 (300PH-6)	1	<b>19.35</b>
21	13765	SS Impeller Bolt 3/8 x 24 x 1.75 (300P11PRO)	1	<b>19.35</b>
22	12715A	SS Bracket Screws	4	<b>4.10</b>
23	15751	Rear Bracket Shim	1	<b>4.25</b>
24	12716	Poly Pump Slinger	1	<b>6.45</b>
25	12775A	Impeller Hex Nut	1	<b>15.35</b>
N/S	12882A	Bearing Pedestal	1	<b>233.80</b>
N/S	12099	7/16"-14 x 1.25" HHCS	1	<b>4.10</b>
N/S	13000	4 Vane Impeller Repair Kit (Items 1, 3, 6-8, 11, 12, 18, 20, 24 & 12099)	1	<b>123.90</b>
N/S	13000V	4 Vane Impeller FKM (viton type) Repair Kit (Items 1, 3, 6-8, 11, 12, 18, 20, 24 & 12099)	1	<b>244.70</b>
N/S	13999	Pump Seal/O-Ring Kit (Items 1, 3, 8, 11, 12, 18, 20, 24 & 12099)	1	<b>78.25</b>
N/S	13999V	FKM (viton type) Pump Seal/O-Ring Kit (Items 1, 3, 8, 11, 12, 18, 20, 24 & 12099)	1	<b>118.85</b>

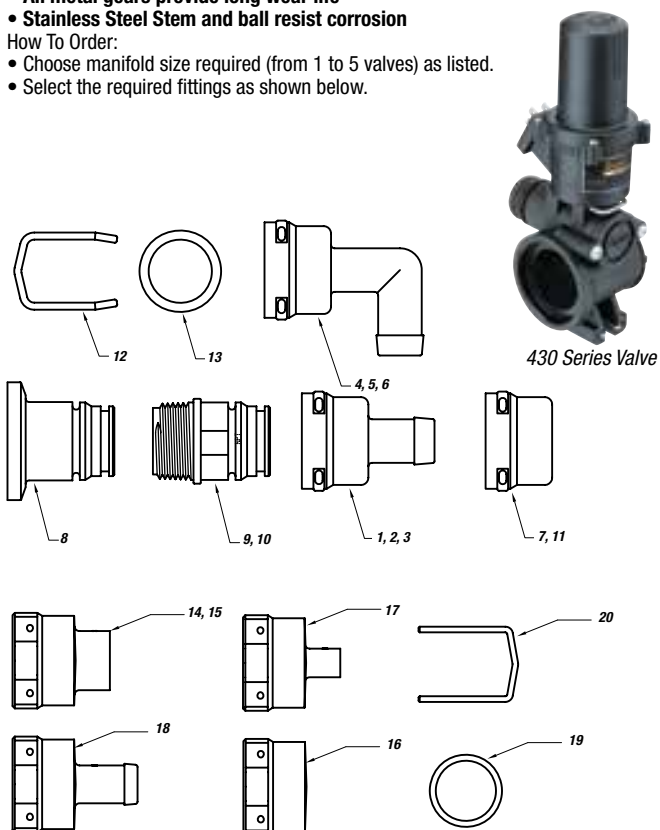
## TeeJet 430 Series Ball Valves

**New Platform of Compact, Durable Valves Offering Superior Performance**

- All metal gears provide long wear life
- Stainless Steel Stem and ball resist corrosion

How To Order:

- Choose manifold size required (from 1 to 5 valves) as listed.
- Select the required fittings as shown below.



## 430 Series Valves

PART	DESCRIPTION	PRICE (B)
431EC-2-D	1 Valve Manifold – 2-Way, 0.6 second shut-off	342.40
432EC-2-D	2 Valve Manifold – 2-Way, 0.6 second shut-off	621.85
433EC-2-D	3 Valve Manifold – 2-Way, 0.6 second shut-off	901.60
434EC-2-D	4 Valve Manifold – 2-Way, 0.6 second shut-off	1205.10
435EC-2-D	5 Valve Manifold – 2-Way, 0.6 second shut-off	1506.40
58480EC-05	MINI-DIN Cable, 3-Wire, Flying Leads, 20"	23.85

NOTE: "EC" = SPST Switch; "D" = Positively Switched

## Quick Connect Hose Barb Fitting and Adapter Kits

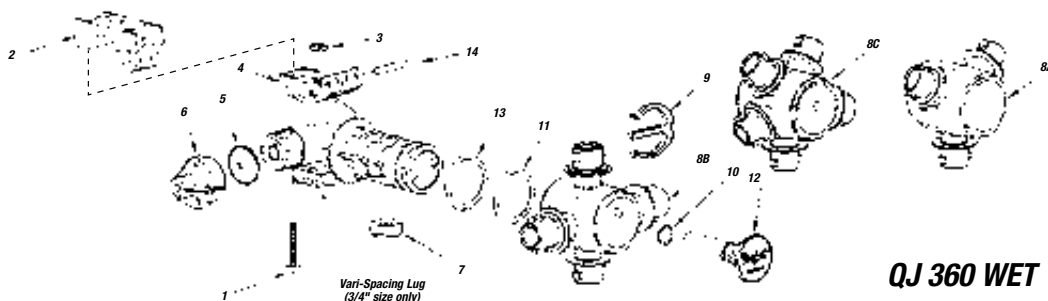
REF	PART	DESCRIPTION	PRICE (B)
1	45529-1/2	½" Quick Connect Kit (c/w ref 12, 13)	13.35
2	45529-3/4	¾" Quick Connect Kit (c/w ref 12, 13)	13.35
3	45529-1	1" Quick Connect Kit (c/w ref 12, 13)	13.35
4	45529-90-1/2	½" 90° Quick Connect Kit (c/w ref 12, 13)	13.35
5	45529-90-3/4	¾" 90° Quick Connect Kit (c/w ref 12, 13)	13.35
6	45529-90-1	1" 90° Quick Connect Kit (c/w ref 12, 13)	13.35
7	45529C	Quick Connect Cap Kit (c/w ref 12, 13)	13.35
8	46029PP	Adapter, 50-Series Flange x Male QC	7.55
9	45527NY	Adapter, ¾" MNPT x Male QC	8.80
10	45526NY	Adapter, 1" MNPT x Male QC	8.80
11	55243NY	Cap ONLY, Nylon (Black)	8.05
12	37166302SS	Retaining Clip, 302 SS	3.70
13	7717-3-912VI	O-Ring, Viton	8.55

NOTE: "45529" Series also available in 5/8" Hose Barb; Please Call.

## Large Quick Coupler Hose Barb, Gauge Port, Fitting, and Adapter Kits

REF	PART	DESCRIPTION	PRICE (B)
14	58456-3/4	¾" FNPT Quick Connect Kit	25.80
15	58456-1	1" FNPT Quick Connect Kit	25.80
16	58456-C	Large Quick Connect Cap Kit	25.80
17	58456-1/4	¼" NPT Gauge Port Large QC Kit	25.80
18	58456-1000	1" Large QC Straight Hose Barb Kit	25.80
19	7717-M40X4VI	O-Ring, Viton (included in above kits)	2.90
20	58439-302SS	Retaining Clip, SS (included in above kits)	3.30

NOTE: "58456" Series also available in 1 ¼" and 1 ½" FNPT and 1 ¼", 1 ½", and 2" Hose Barb; Please Call.



## QJ 360 WET

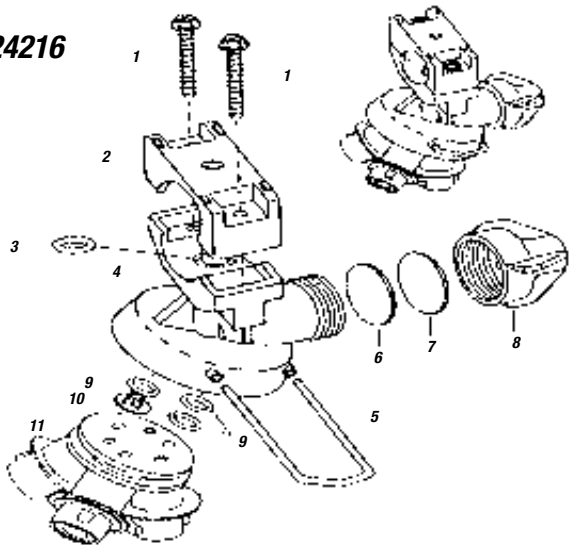
REF	PART	DESCRIPTION	PRICE (B)
1	48255-11/4	Screw, 430 SS	5.10
2	48223NYB	½" Upper Clamp	2.70
2	48221NYB	¾" Upper Clamp	2.70
2	48222NYB	1" Upper Clamp	2.70
3	7717-2/110BU	O-Ring, Buna-N	1.00
3	7717-2/110VI	O-Ring, Viton (optional)	1.50
4	389422NYB	½" Split-Eyelet Body	7.65
4	389252NYB	¾" Split-Eyelet Body	7.65
4	389262NYB	1" Split-Eyelet Body	7.65
5	21953EPR	Diaphragm, EPDM	.70
5	21953VI	Diaphragm, Viton (optional)	2.20
6	21950-10	End Cap Assembly	5.60
7	389431VI	Viton Seal for Old Series	3.75
7	56726-VITFE	Viton-Teflon Seal for "C" Series	8.40
8A	389212NYB	363 Turret – 3 outlet	6.95
8B	389222NYB	364 Turret – 4 outlet	7.50
8C	389232NYB	365 Turret – 5 outlet	7.95
9	38931NY	E Clip	2.35

REF	PART	DESCRIPTION	PRICE (B)
10	7717-2/13EPR	O-Ring, EPDM Rubber	3.45
10	7717-2/13VI	O-Ring, Viton (optional)	9.30
11	7717-M28-EPR	O-Ring, EPDM	5.00
11	7717-M28-VI	O-Ring, Viton (optional)	13.70
12	38930-8-NYB	Nylon Plug (black)	2.35
13	7717-M28-EPR	O-Ring Dust Seal, EPR Rubber	5.00
13	7717-M28-VI	O-Ring Dust Seal, Viton (optional)	13.70
14	48256SS	Pivot Pin, 303 SS	1.45

**To Convert Wet Boom Assemblies to Dry Boom Configurations, Use The Following Fittings With The "389252NYB" ¾" Split-Eyelet Body**

N/A	PART	DESCRIPTION	PRICE (B)
N/A	38936NY	½" Elbow	3.70
N/A	38938NY	¾" Elbow	3.70
N/A	38940NY	1" Elbow	3.70
N/A	38937NY	½" Tee	4.40
N/A	38939NY	¾" Tee	4.40
N/A	38941NY	1" Tee	4.40
N/A	38948NY	½" MNPT x ¾" Hose Shank	4.40

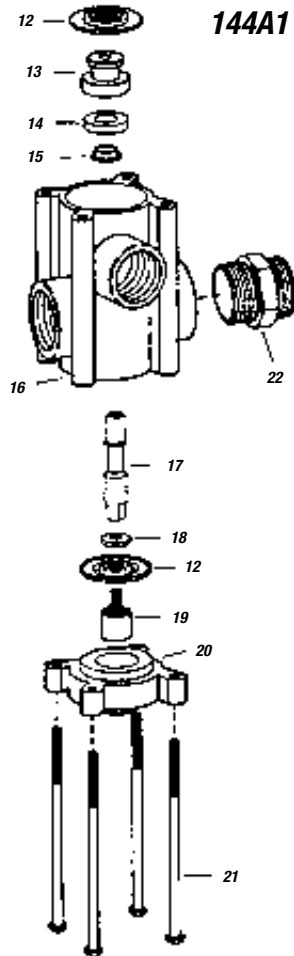
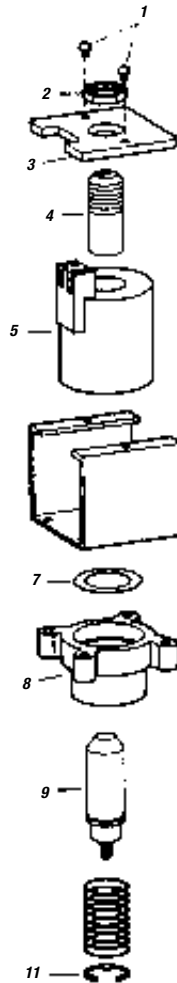
## QJ24216



### Parts

REF	PART	DESCRIPTION	PRICE (B)
1	2012311/4	Screw, 430 SS (for QJ242161/2 and QJ242163/4)	5.10
1	1767413/8SS	Screw, 430 SS (for QJ242161)	4.95
2	24226NYB	Upper Clamp, Nylon (Black) (for QJ242161/2)	4.50
2	24222NYB	Upper Clamp, Nylon (Black) (for QJ242163/4)	4.50
2	17553PPB	Upper Clamp, Poly (Black) (for QJ242161)	N/A
3	7717-2/110BU	O-Ring, Buna-N	1.00
4	24225NY	Main Body w/Lower Clamp, Nylon (Black) (for QJ242161/2)	10.05
4	24220NY	Main Body w/Lower Clamp, Nylon (Black) (for QJ242163/4)	10.05
4	24227NY	Main Body w/Lower Clamp, Nylon (Black) (for QJ242161)	10.05
5	24221304SS	Clip, 304 SS	4.00
6	6227TEF*	Diaphragm, Teflon (optional)	1.20
7	21953EPR	Diaphragm, EPDM Rubber	.70
8	21950-10	Chemsaver End Cap Assembly, Nylon (Black)	5.60
9	7717-2/109EPR	O-Ring, EPDM Rubber (3 required)	3.35
10	24224CE	Indexing Button, Celcon (Grey)	.85
11	242171CE	Indexing Plate Sub-Assembly, Celcon (Black)	17.20

\*When the #6227TEF Teflon Diaphragm is used, it is placed in the assembly in front of the #21953-EPR rubber diaphragm



REF	PART	DESCRIPTION	PRICE (B)
1	14933SS	Screw, SS (2 required)	2.45
2	15168	Jam Nut, Steel, Electroless Nickel Plate	8.10
3	151661	Coil Cover, Steel, Epoxy Painted	7.10
4	151611	Armature Stop, Steel, Electroless Nickel Plate	17.25
5	15163NY	Coil Assembly, Nylon Encapsulated (Black)	79.55
7	15169SS	Washer, 302 SS	3.15
8	15164	Upper Diaphragm Housing, Nylon (Black), Glass Filled	8.45
9	15170	Armature, Steel, Electroless Nickel Plate	31.75
11	148131	Retaining Ring, Steel, Electroless Nickel Plate	3.15
12*	36101EPR	Diaphragm, EPDM Rubber (Standard, 2 required)	11.30
12**	36101VI	Diaphragm, Viton (Optional, 2 required)	25.40
13	14807SS	Seat Washer Retainer, SS	25.70
14*	14802EPR	Seat Washer, EPDM Rubber (Standard)	8.75
14**	14802VI	Seat Washer, Viton (Optional)	30.65
15	14811SS	Spacer, SS	7.45
16	14801PP	Body, Polypropylene (Black)	22.85
17	14812SS	Stem, SS	29.10
18	14806SS	Washer, SS	8.55
19	15162SS	Lower Diaphragm Piston, SS	16.20
20	15165NY	Lower Diaphragm Housing, Glass Filled Nylon (Black)	31.35
21	14819SS	Screw, SS (4 required)	2.90
22	21737NY	Connecting Nipple, Nylon (Black)	7.30
*	AB144A1	Repair Kit	43.15
**	AB144A1VI	Repair Kit	64.55

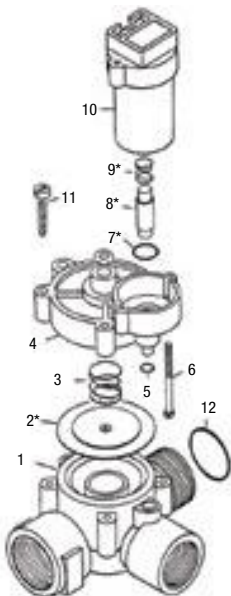
## 1999 Solenoid Valve

### Parts

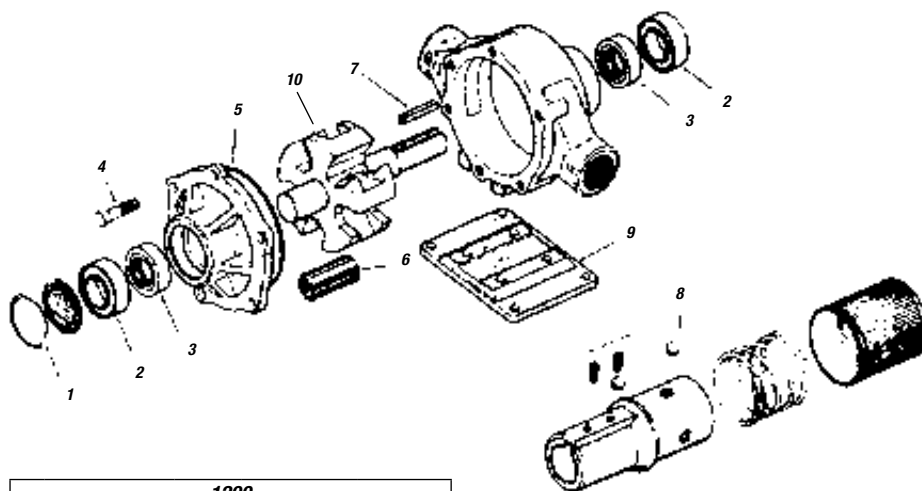
REF	PART	DESCRIPTION	PRICE (E)
1	1962	Valve Body	40.20
2*	1974 ▲●	Viton Diaphragm	53.00
3	1975	Spring	10.20
4	1963	Valve Cover	39.20
5*	1976 ▲●	Viton O-Ring	N/A
6	-	6 - 32 x 3" Screw	N/A
7*	1977 ▲●	Viton O-Ring	7.15
8*	1978 ▲	Plunger 1999 (old)	48.10
8*	2239 ●	Plunger 1999A (new)	45.10
9	1979 ▲●	Plunger Spring	10.40
10	2613	Coil 1999	107.00
10	2515	Coil 1999A	97.50
11	-	#8 x 1 1/2" Screw	N/A
12	2168	O-Ring	4.70
▲	1999A1-KIT-OLD		95.45
●	1999A1-KIT	Repair Kit 1999A	71.60

\*Parts Included in Repair Kit.

**NOTE:** Part # 1978 is for old-style valve; plunger length is 32 mm. New style plunger (part # 2239) is 25 mm in length. Measure before you order!







1200				
REF	PART	REQ'D	DESCRIPTION	PRICE (E)
2	2001-0006	2	Bearing	28.60
4	2210-0019	4	Bolt	1.10
5	1720-0127		O-Ring	CALL
7	1610-0005		Key	2.30
10	0300-1502C		Rotor & Shaft	393.65

1500				
REF	PART	REQ'D	DESCRIPTION	PRICE (E)
1	2300-0020		Retainer	2.05
2	2008-0001	2	Bearing	20.80
3	2112-0003	2	Viton Seal	23.00
4	2210-0005	6	Bolt	1.10
5	1720-0003		O-Ring	4.10
6	1005-0005	6	Roller	11.20
7	1610-0005		Key	2.30
8	3250-0004	3	Ball	1.70
	3430-0386		Repair Kit	113.00
10	0300-1502C		Rotor & Shaft	393.65

1700				
REF	PART	REQ'D	DESCRIPTION	PRICE (E)
1	2300-0020		Retainer	2.05
2	2008-0001	2	Bearing	20.80
3	2112-0001	2	Buna Seal	21.00
3	2112-0003	2	Viton Seal	23.00
4	2210-0005	6	Bolt	1.10
5	1720-0099		O-Ring	2.85
6	1005-0005	5	Roller	11.20
7	1610-0005		Key	2.30
8	3250-0004	3	Ball	1.70
	3430-0437		Repair Kit	100.70
10	0300-1700C		Rotor & Shaft	264.15

4101				
REF	PART	REQ'D	DESCRIPTION	PRICE (E)
1	2300-0021		Retainer	2.05
2	2000-0010	2	Bearing	14.10
3	2107-0002	2	Seal	14.50
4	2220-0018	4	Bolt	1.30
5	1720-0104		O-Ring	1.35
6	1002-0002	4	Roller	4.65
9	3420-0004		Base Kit - Gas	CALL
	3430-0390		Repair Kit	50.50
10	0300-4101C		Rotor & Shaft	123.15

6500				
REF	PART	REQ'D	DESCRIPTION	PRICE (E)
1	2300-0021		Retainer	2.05
2	2000-0010	2	Bearing	14.10
3	2107-0002	2	Seal	14.50
4	2210-0004	4	Bolt	1.30
5	1720-0008		O-Ring	2.15
6	1005-0004	6	Roller	5.30
8	3250-0004	3	Ball	1.70
9	3420-0023		Base Kit	49.55
	3430-0380		Repair Kit	59.60

7700				
REF	PART	REQ'D	DESCRIPTION	PRICE (E)
1	2300-0020		Retainer	2.05
2	2008-0001	2	Bearing	20.80
3	2112-0001	2	Buna Seal	21.00
3	2112-0003	2	Viton Seal	23.00
4	2210-0004	4	Bolt	1.30
5	1720-0014		O-Ring	3.10
6	1005-0004	7	Roller	5.30
7	1610-0005		Key	2.30
8	3250-0004	3	Ball	1.70
9	3420-0010		Base Kit	78.35
	3430-0381		Repair Kit	85.15
10	0300-7700C		Rotor	233.60

7560				
REF	PART	REQ'D	DESCRIPTION	PRICE (E)
1	2300-0020		Retainer	2.05
2	2008-0001	2	Bearing	20.80
3	2112-0001	2	Buna Seal	21.00
3	2112-0003	2	Viton Seal	23.00
4	2210-0004	4	Bolt	1.30
5	1720-0014		O-Ring	3.10
6	1005-0004	8	Roller	5.30
7	1610-0005		Key	2.30
8	3250-0004	3	Ball	1.70
9	3420-0003		Base Kit	77.70
	3430-0381		Repair Kit	85.15
10	0308-7560C		Rotor	187.75



### Die Cast Couplers

- 1321-0006: 1 1/8" (6 Spline) PTO (I.D.), 5/8" Shaft, 540 RPM
- 1321-0007: 1 1/8" (6 Spline) PTO (I.D.), 1 1/8" Shaft, 540 RPM
- 1321-0008: 1 1/8" (21 Spline) PTO (I.D.), 5/8" Shaft, 1,000 RPM
- 1321-0009: 1 1/8" (21 Spline) PTO (I.D.), 1 1/8" Shaft, 1,000 RPM
- 1321-0012: 1 1/8" (Multi-Speed) PTO (I.D.), 5/8" Shaft, 540/1,000 RPM
- 1321-0013: 1 1/8" (Multi-Speed) PTO (I.D.), 1 1/8" Shaft, 540/1,000 RPM

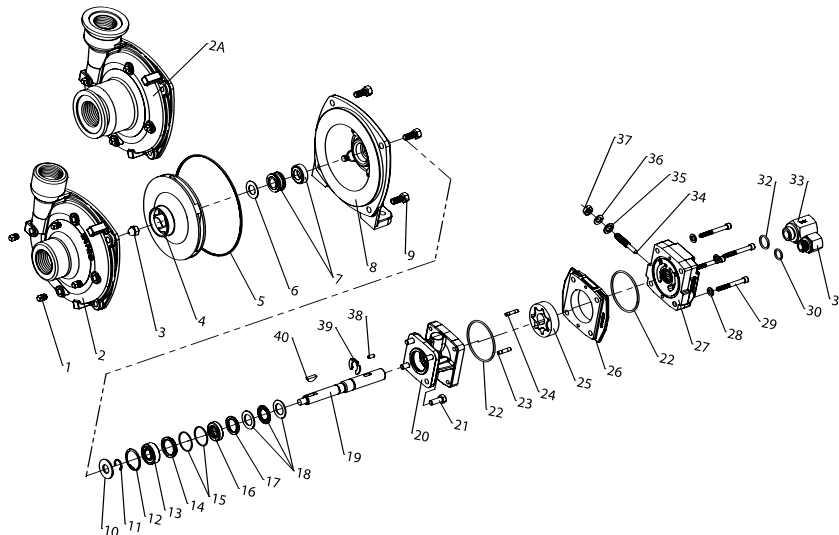
PART	DESCRIPTION	PRICE (E)
1321-0006	For 6500	74.15
1321-0007	For 1500, 1700, 7560, 7700	80.30
1321-0008	For 4000, 6500	N/A
1321-0009	For 1500, 1700, 7560	88.05
1321-0012	For 4000, 6500	74.15
1321-0013	For 1500, 7560, 7700	79.00



### Forged Steel Couplers

- 1323-0072: 1 1/8" (6 Spline) PTO (I.D.), 1 1/8" Shaft, 540 RPM
- 1323-0073: 1 1/8" (21 Spline) PTO (I.D.), 1 1/8" Shaft, 1,000 RPM
- 1323-0074: 1 1/8" (6 Spline) PTO (I.D.), 5/8" Shaft, 540 RPM
- 1323-0075: 1 1/8" (21 Spline) PTO (I.D.), 5/8" Shaft, 1,000 RPM
- 1323-0076: 1 1/8" (Multi-Speed) PTO (I.D.), 1 1/8" Shaft, 540/1,000 RPM
- 1323-0077: 1 1/8" (Multi-Speed) PTO (I.D.), 5/8" Shaft, 540/1,000 RPM

PART	DESCRIPTION	PRICE (E)
1323-0072	For 1500, 1700, 7560, 7700	104.60
1323-0073	For 1500, 1700, 7560	100.35
1323-0074	For 6500	80.60
1323-0075	For 4000, 6500	104.60
1323-0076	For 1500, 1700, 7560	169.65
1323-0077	For 4000, 6500	202.00



**Hypro 9303C and 9303S Series Centrifugal Pump Parts – Please Use Part Number When Ordering and Note Quantity Required.**

REF #	QTY. REQ'D	PART	DESCRIPTION	PRICE(E)
1	4	2406-0007	Drain/Vent Plug (9303C) – ORDER # 2406-0016	11.35
1	4	2406-0016	Drain/Vent Plug (9303S)	11.35
2	1	0150-9000C	Pump Casing (model 9303C)	305.95
2	1	0150-9000S	Pump Casing (model 9303S)	534.75
2A	1	0153-9000C	Pump Casing (Universal Flange Model C-U)	322.45
3	1	2253-0002	Impeller Nut (9303C)	7.55
4	1	0401-9100P	Impeller (Nylon standard 9303C)	65.40
4	1	0402-9100P	Impeller (Polypropylene Optional (Std 9303S))	72.20
5	1	1720-0083	O-ring	4.85
6	1	1700-0100	Gasket	6.45
7	1	2120-0009	Mechanical Seal (Viton/Ceramic)(Std. 9303C)	N/A
7	1	3430-0589	Mechanical Seal (Silicon Carbide)(Std. 9303S)	281.95
8	1	0750-9300C	Mounting Flange (9303C)	175.35
8	1	0756-9300S	Mounting Flange (9303S)	1064.30
9	4	2210-0020	Hex Head Cap Screw (9303C)	1.30
9	4	2210-0125	Hex Head Cap Screw (9303S)	2.45
10	1	1410-0056	Slinger Ring	1.70
11	1	1810-0014	Snap Ring	1.45
12	1	1820-0013	Retaining Ring	1.65
13	1	2000-0010	Ball Bearing	14.10
14	1	1410-0131	Cartridge, Front	15.70
15	2	1720-0268	O-ring	1.85
16	1	2104-0010	Lip Seal (only sold in Parts Kit 3430-0748)	N/A
17	1	1410-0130	Seal Spacer	8.60
18	1	2029-0014	Thrust Bearing Assembly	40.80
19	1	0531-2500	Shaft (HM2C/HM4C) – ORDER # 3430-0850	349.20
19	1	0533-2500	Shaft (HM1C/HM5C) – ORDER # 3430-0852	253.45
19	1	3430-0855	Shaft Kit	450.55
20	1	0150-2500C	Motor Body (includes needle bearing)	196.85
21	4	2210-0005	Hex Head Cap Screw	1.10
22	2	1720-0110	O-ring	1.65
23	1	1600-0045	Dowel Pin (HM2C/HM4C)	19.30
23	1	1600-0044	Dowel Pin (HM1C/HM5C)	24.25
23	1	1600-0052	Dowel Pin (HM3C)	34.60

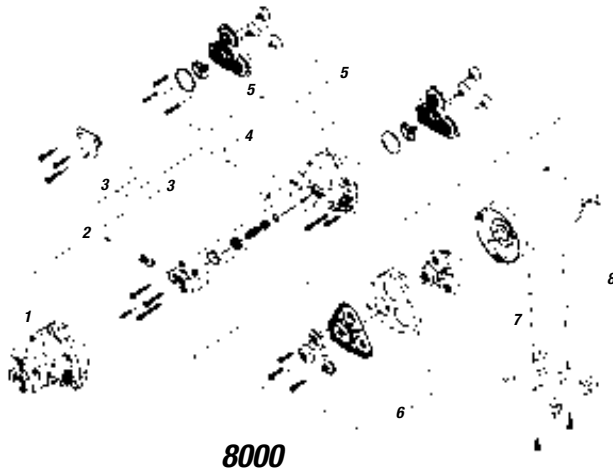
REF #	QTY. REQ'D	PART	DESCRIPTION	PRICE(E)
24	1	1600-0042	Dowel Pin (HM2C/HM4C)	19.30
24	1	1600-0037	Dowel Pin (HM1C/HM5C)	24.25
24	1	1600-0068	Dowel Pin (HM3C)	15.70
25	1	3900-0022	Gerotor (HM1C)	251.20
25	1	3900-0023	Gerotor (HM2C)	227.90
25	1	3900-0024	Gerotor (HM3C)	318.55
25	1	3900-0025	Gerotor (HM4C)	247.30
25	1	3900-0048	Gerotor (HM5C)	255.10
26	1	0701-2500C1	Gerotor Housing (HM2C models) ¼" wide	236.95
26	1	0700-2500C1	Gerotor Housing (HM1C models) ½" wide	161.90
26	1	0703-2500C1	Gerotor Housing (HM4C models) 5/16" wide	155.40
26	1	0702-2500C1	Gerotor Housing (HM3C models) 1" wide	249.90
26	1	0704-2500C1	Gerotor Housing (HM5C models) 5/8" wide	198.10
27	1	0254-2500C2	Motor End Plate (includes needle bearing)	N/A
28	4	2270-0039	Washer	140
29	4	2220-0045	Cap Screw (HM2C/HM4C models)	1.95
29	4	2220-0021	Cap Screw (HM1C models)	2.45
29	4	2220-0044	Cap Screw (HM3C models)	4.25
29	4	2220-0032	Cap Screw (HM5C models)	5.70
30	1	1720-0108	O-ring	1.45
31	1	3360-0021A	Pressure Port Adapter (includes o-ring)	29.95
32	1	1720-0262	O-ring (included with 3320-0051A)	N/A
33	1	3320-0051A	Tank Port Adapter (includes o-ring)	56.35
34	1	3220-0029	Bypass Adjusting Screw	11.65
35	1	1700-0047	Gasket	5.60
36	1	2270-0027	Washer	2.45
37	1	2250-0038	Lock Nut	1.40
38	1	1610-0032	Roll Pin (HM2C/HM4C)	10.45
38	1	1610-0031	Roll Pin (HM1C/HM5C)	5.95
38	1	1610-0055	Roll Pin (HM3C)	35.65
39	1	1810-0026	Snap Pin	1.45
40	1	1610-0012	Woodruff Key (9303C)	1.70

**Hypro 9303C and 9303S Series Kits and Hydraulic Motors**

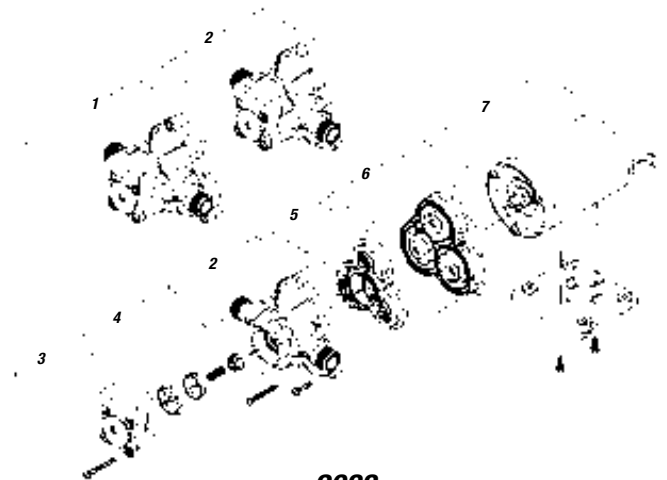
PART	DESCRIPTION	PRICE(E)
3430-0332	Repair Kit – contains: One o-ring (ref 5), one rubber gasket (ref 6), one mechanical seal (ref 7).	75.40
3430-0589	Silicon Seal Kit – contains pump casing O-ring and mechanical seal.	281.90
3430-0187	Adapter Kit (HM2 and HM4 Models Only) – contains: 3360-0021 Pressure Port Adapter, 3373-0020 (size #1), 3373-0021 (size #2) 3373-0022 (size #3), 1720-0108 Adapter O-ring, and 1720-0105 Orifice O-ring (Qty 3).	31.75
3430-0748	Parts Kit – contains one each of ball bearing (ref 13), motor shaft seal (ref 16), thread seal gasket (ref 35), two cartridge o-rings (ref 15), and washer (ref 36); and two each of motor housing o-rings (ref 22), and port adapter o-rings (ref 30 and 32).	115.75

PART	DESCRIPTION	PRICE(E)
2500-0081C	Hydraulic Motor (HM1C)	1227.15
2500-0082C	Hydraulic Motor (HM2C)	1227.15
2500-0083C	Hydraulic Motor (HM3C)	1512.25
2500-0084C	Hydraulic Motor (HM4C)	1227.15
2500-0085C	Hydraulic Motor (HM5C)	1227.15

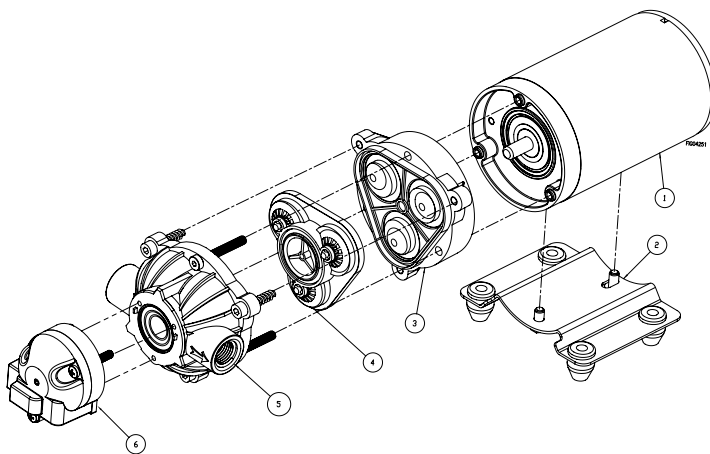
# 12 V Pump Parts


**8000**
**Shurflo 8000 Series 12 V Pump Parts**

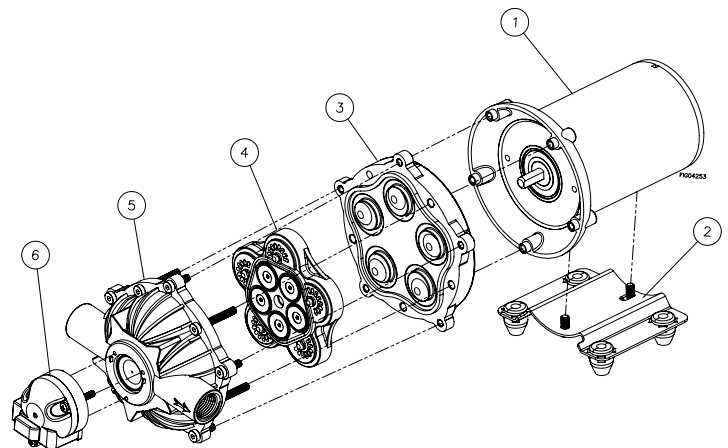
REF	PART	DESCRIPTION	PRICE (F)
1	-	Complete Pump	<b>CALL</b>
2	94-375-05	Switch Kit 60 PSI	<b>39.95</b>
3	94-374-05	Check Valve Assembly Viton	<b>14.55</b>
4	94-379-00	Upper Housing	<b>24.50</b>
5	94-391-09	By-Pass Valve Kit	<b>59.25</b>
5	94-390-05	Valve Kit Viton	<b>48.05</b>
6	94-395-05	Diaphragm Viton – optional	<b>66.20</b>
6	94-395-06	Diaphragm Santoprene – standard	<b>24.25</b>
7	94-385-03	Drive Assembly	<b>30.00</b>
8		Motor 12 V	<b>N/A</b>


**2088**
**Shurflo 2088 Series 12 V Pump Parts**

REF	PART	DESCRIPTION	PRICE (F)
1	-	Complete Pump	<b>CALL</b>
2	94-231-30	Upper Housing	<b>20.75</b>
3	94-230-36	Switch Assembly	<b>32.90</b>
4	94-237-05	Check Valve Assembly	<b>28.55</b>
5	94-232-05	Valve Assembly	<b>62.95</b>
6	94-238-03	Diaphragm Santoprene	<b>43.25</b>
7		Motor 12 V	<b>N/A</b>


**Everflo EF2200 12-Volt Diaphragm Pump Parts**

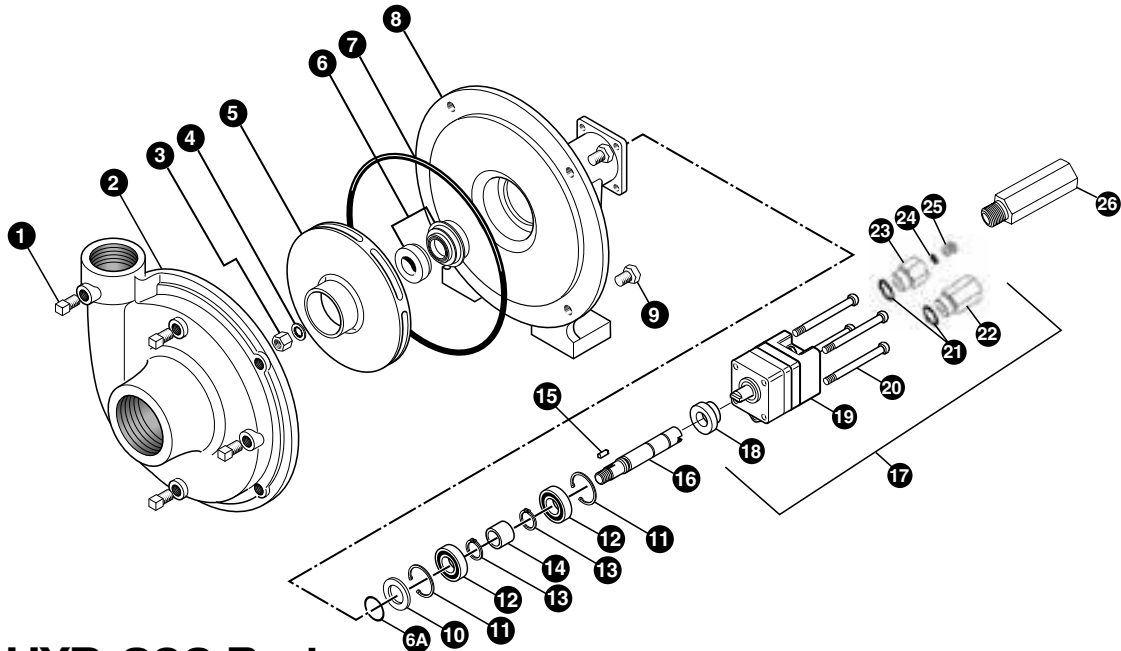
REF	PART	DESCRIPTION	PRICE (G)
1	N/A	Motor	<b>N/A</b>
2	EF780254	Base Plate Assembly	<b>14.25</b>
3	EF784062	Diaphragm Assembly	<b>59.65</b>
4	EF778279	Valve Plate Assembly	<b>22.55</b>
5	EF787161	Pump Head Assembly	<b>22.30</b>
	EF787418	QA Pump Head Assembly	<b>35.75</b>
6	EF788026	Pressure Switch Assembly	<b>33.90</b>


**Everflo EF5500 12-Volt Diaphragm Pump Parts**

REF	PART	DESCRIPTION	PRICE (G)
1	N/A	Motor	<b>N/A</b>
2	EF780254	Base Plate Assembly	<b>14.25</b>
3	EF787530	Diaphragm Assembly	<b>117.65</b>
4	EF780509	Valve Plate Assembly	<b>68.85</b>
5	EF787165	Pump Head Assembly	<b>20.95</b>
	EF787419	QA Pump Head Assembly	<b>53.70</b>
6	EF788690	Pressure Switch Assembly	<b>36.65</b>



## FMC-150-HYD-206



## FMC-150-HYD-206 Parts

REF	PART	EDP #	DESCRIPTION	REQ'D	PRICE(E)
1	BAC53	41110	Pipe Plug	4	.75
1	BAC53SS	41120	Pipe Plug, Stainless Steel (optional)	4	7.05
2	BAC12150	40255	Volute - 1½" x 1¼"	1	440.50
3	BAC23A	40391	Nut - ¾" NF, cad plated	1	3.55
3	BAC23BSS	40393	Nut - ¾" NF, Stainless Steel (standard on -SS models)	1	1.45
4♦	BAC24HYDSS	40400	Washer, ¾" Star, Stainless Steel	1	2.15
4	BAC24BSS	42702	Washer, ¾", Stainless Steel, vibration proof (standard on -SS models)	1	9.85
5	BAC26150P	40446	Impeller, Valox, keyway	1	128.05
5	BAC26150CI	40445	Impeller, Cast Iron, keyway (optional)	1	308.35
5	BAC26150PI	40448	Impeller, Polypropylene, keyway (optional)	1	130.80
6♦	BAC7V	40151	Seal, Carbon/Ceramic/Viton (includes 40160 O-ring)	1	70.25
6◇	BAC7SC	40152	Seal, Silicon Carbide/Viton (includes 40160 O-ring) (optional)	1	239.55
6A♦◇	40160	40160	O-ring, Shaft Seal	1	1.40
7♦◇	BAC4150	40015	O-ring, Body Seal	1	11.25
8	BAC14150HYD	40305	Mounting Frame (for 200 Series hydraulic motor)	1	549.25
9	40950	40950	Cap Screw, ¾" NC x ¾" Hex Head	4	.80
9	40930	40930	Cap Screw, ¾" NC x ¾" Hex Head, Stainless Steel (optional)	4	3.60
10	BAC54	41130	Slinger	1	2.15
11	BAC33	40810	Snap Ring, Internal, BAC14 Mounting Frame	2	2.85
12	BAC37	40870	Ball Bearing, Sealed, BAC6 Shaft	2	27.55
13	BAC32	40790	Snap Ring, External, BAC6 Shaft	2	.80
14	BAC32S	40795	Spacer for BAC6 Shaft	1	8.40
15	BACH25	40420	Key, 1/8" x 1/8" x 1/2"	1	1.45
16	BAC6HYDSS	40061	Shaft, 5/8" Diameter, Keyway and Tang Slot, Stainless Steel	1	179.00
17	BAC75HYD206	41372	Hydraulic Motor, 7 GPM (includes parts 18 - 25)	1	846.75
18	S200	40161	Seal Support Spacer for 200 Series HYD Motor	1	13.80
19	BAC75HYD206N	41397	Hydraulic Motor, 7 GPM (motor only - no external fittings)	1	825.65
20	41255-ACE	41255	Cap Screw, 5/16" N.C. x 3 3/4" Socket Head (for 206N motor)	4	2.90
21	41875	41875	O-ring, #8 SAE fitting	2	1.40
22	BAC788SAE	41441	Reverse Check Valve, #8 SAE male x 1/2" NPT female	1	39.95
23	BAC808SAE	41455	Adapter, Restrictor Body, #8 SAE male x 1/2" NPT male	1	31.40
24	41448	41448	O-ring, Orifice Insert	1	1.40
25	BAC797	41456	Orifice, Restrictor Insert, .109 (206N)	1	15.85
26	LS-206N	41418	Flow Limiting Valve (206N), #8 SAE male x 1/2" NPT male	1	121.85
♦	RKFMC150	52710	Repair Kit for FMC-150 Series Pump	-	83.60
◇	RKFMCSC150	52711	Repair Kit for FMC-150 Series with Silicon Carbide Shaft Seal	-	287.45
#	RKBAC75HYDL	41374	Repair Kit for 200-L Series Motor	-	88.35

## The Even-Spray Team

### Our Company

Even-Spray and Chemicals Limited is a privately owned and Canadian based distributor of agricultural, horticultural, turf, and landscape products. Our products are commonly used in the production of food, flowers, and the enhancement of green space. We hope this catalogue has given you a good indication of the type and scope of products offered by Even-Spray. We are here to serve you!

### Our Resources

Even-Spray and Chemicals is situated in Winnipeg, Manitoba, Canada, where we operate an up-to-date warehouse and office facility. This 17,000 ft<sup>2</sup> facility includes warehousing, retail sales, office, and maintenance areas. Even-Spray maintains a dealer network of over 200 dealers throughout Canada.



**Charlene Snowden**  
Owner



**Chris Bloom**  
Owner



**Todd Thompson**  
Owner



**Rob Officer**  
Sales Manager/  
Greenhouse Sales



**Tim Chlopecki**  
Sales



**Ian Martinusen**  
Sales



**Craig Campbell**  
Sales



**Andrew Snowden**  
Inside Sales/  
Customer Service



**Taylor Cadarian**  
Accounting/  
Customer Service



**Darrel Perrun**  
Logistics/  
Customer Service



**Tom Higgins**  
Logistics Assistant/  
Customer Service



**Tyler Peters**  
Warehouse Assistant/  
Customer Service

### Our Main Product Lines

- Ace Pumps
- Andersons Fertilizers and Spreaders
- Antelco Drip and Landscape Irrigation
- Aquatrols water management chemicals
- Arbrux Water Fountains, Aerators
- Banjo pumps and fittings
- Bayco Golf Accessories
- Biobest Biological Pest Control
- Boss gloves
- Brandt Golf and Landscape Fertilizers
- Chapin Sprayers and Spreaders
- Combo-jet / Wilger sprayer components
- Cox hose reels
- Curtis Dyna-Fog Insect foggers
- Dentec Safety Supplies
- Dosatron fertilizer injectors
- Damm greenhouse products
- Equinox poly tanks
- Everflo 12-Volt Pumps
- Felco pruning equipment

- F/S Manufacturing
- Gandy Turf equipment
- Gilmour garden products
- Green Leaf/TERREMAX fittings and valves
- Greenleaf Technologies
- Grigg Brother Foliar & Granular Fertilizers
- Hinsperger Turf Covers
- Honda Gas Engines
- Hypro pumps and accessories
- Irritec Drip and Micro Irrigation
- Kelly Lime & Gypsum products
- Lebanon fertilizers
- Lely fertilizer spreaders
- Miltona Golf Tools
- Neudorff North America
- Norwesco valves and accessories
- Oetiker pipe clamps
- Overton Environmental – Eco-Tea

- Pickseed lawn seed
- Plant Products water soluble fertilizers
- Precision Labs
- Profile Products soil amendments
- Rain Bird Irrigation products
- Rectorseal thread sealants
- SHURflo diaphragm pumps
- Sotera chemical transfer systems
- Syngenta turf and ornamental chemicals
- Target Specialty Granular Fertilizers
- TeeJet spraying components
- Texas Ind. Remcor sprayer components
- Tram Spreaders
- Trunk Pump water pumps
- United Agri Products chemicals
- Vertex Water Aeration Systems

### Even-Spray & Chemicals Limited

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E: info@evenspray.com  
W: www.evenspray.com





## Terms & Conditions

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**Credit Cards:** Gladly accepted at time of shipping or pick-up, however credit cards will not be accepted as payment on account. Non-swiped credit card transactions may be subject to a handling fee.

**Minimum charge invoice \$20.00 net.**

### Prices:

- Subject to change without notice.
- All items subject to GST, PST, and HST where applicable.
- All prices are Freight on Board (F.O.B.) our warehouse.

### Returns:

- ALL Chemical sales are final – NO returns will be accepted.
- A RETURN GOODS AUTHORIZATION (RGA) number must accompany all other merchandise returns.
- Contact order desk (Ph. 204.237.9095, Fax 204.231.0710) to obtain RGA number.
- Information such as original invoice or sales order number will help expedite the return process.
- RGA items must be shipped freight PREPAID to Even-Spray and may be subject to a re-stocking fee.
- Goods should be in original packaging and in resalable condition.
- SPECIAL ORDER ITEMS CANNOT BE RETURNED FOR CREDIT.

**Warranty:** All products being shipped to Even-Spray & Chemicals for warranty assessment MUST be sent PREPAID to our Winnipeg warehouse. Products shipped collect to Even-Spray without prior approval will be refused.

**Shipping:** Orders received by 1:00 PM Manitoba time will be shipped same day providing stock and freight carrier is available. Even-Spray will ship via the appropriate carrier prepaid and charge on invoices, unless specified otherwise by customer at time of order.

**Commercial, Agricultural, & Restricted Chemicals:** Federal regulations require that all Commercial, Agricultural, and Restricted chemicals must only be shipped into another AWSA Certified site or DIRECTLY to an end user location. Such classified chemicals can only be sold to holders of valid Pesticide Applicator permits, businesses maintaining AWSA certified warehouses, or end-users authorized to purchase and apply such products.

# www.EvenSpray.com



### Even-Spray & Chemicals Limited

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