



JAIN

PRODUCT CATALOG

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Chapin BTF Drip Tape

TAPE AND EMITTERLINE

Diameter (Inch)	Wall Thickness (mil)	Reel Length (ft)	Estimated Reel Weight (lbs)	Reel Size Dia. x Width (Inch)	Reels per Pallet
BTF 5/8" (06) Thin-Wall Drip Tape					
5/8" (06)	4	13,000	67	22" x 10"	16
5/8" (06)	5	12,000	70	22" x 10"	16
5/8" (06)	6	10,000	68	22" x 10"	16
5/8" (06)	8	7,500	68	22" x 10"	16
5/8" (06)	10	6,000	65	22" x 10"	16
5/8" (06)	13	4,500	63	22" x 10"	16
5/8" (06)	15	4,000	63	22" x 10"	16
BTF 7/8" (09) Thin-Wall					
7/8" (09)	5	9,000	64	22" x 10"	16
7/8" (09)	6	7,500	63	22" x 10"	16
7/8" (09)	8	5,500	60	22" x 10"	16
7/8" (09)	10	4,500	63	22" x 10"	16
7/8" (09)	13	3,500	60	22" x 10"	16
7/8" (09)	15	3,000	57	22" x 10"	16



* Price On Request. Please contact Jain Customer Service for Pricing & Availability

** Additional flow rates, spacings, & lengths available.

Chapin BTF Ordering Guide

Chapin	Size	Wall Thickness	Spacing	Flow Rates			Length (100s ft.)	
			Inch	at 6 PSI gpm/100ft	at 8 PSI gpm/100ft	at 10 PSI gpm/100ft	5/8"	7/8"
BTF	5/8" (06)	04	08	0.40	-	-	130	-
				0.50	-	-		
				0.65	-	-		
			12	0.25	-	-		
				0.30	-	-		
				0.40	-	-		
BTF	5/8" (06)	05	4	0.80	1.00	120	090	
				1.06	1.33			
				1.44	1.80			
		06	6	0.40	0.50	100	075	
				0.52	0.65			
				0.68	0.85			
		07	8	1.06	1.33	084	065	
				0.32	0.40			
				0.40	0.50			
		08	8	0.52	0.65	075	055	
				0.68	0.85			
				1.20	1.50			
	0.20			0.25				
	0.24			0.30				
	0.32			0.40				
	7/8" (09)	10	12	0.40	0.50	060	045	
				0.52	0.65			
				0.80	1.00			
13		16	0.32	0.40	050	035		
			0.40	0.50				
			0.52	0.65				
15	16	0.80	1.00	040	030			
		0.16	0.20					

Example: BTF 06 06 08 050 100

Model: BTF 06 06 08 050-100 | **Description:** Chapin BTF 5/8" (06) ID, 6 mil, 8" Spacing, 0.50 gpm/100 ft, 10,000 Ft/reel

Chapin Deluxe Drip Tape

Diameter (Inch)	Wall Thickness (mil)	Reel Length (ft)	Estimated Reel Weight (lbs)	Reel Size Dia. x Width (Inch)	Reels per Pallet
DLX 5/8" (06) Thin-Wall Drip Tape					
5/8" (06)	5	12,000	72	22" x 12"	12
5/8" (06)	6	10,000	77	22" x 12"	12
5/8" (06)	8	7,500	73	22" x 12"	12
5/8" (06)	10	6,000	69	22" x 12"	12
5/8" (06)	13	4,500	68	22" x 12"	12
5/8" (06)	15	4,000	68	22" x 12"	12
DLX 7/8" (09) Thin-Wall Drip Tape					
7/8" (09)	5	9,000	66	22" x 12"	12
7/8" (09)	6	7,500	56	22" x 12"	12
7/8" (09)	8	5,500	54	22" x 12"	12
7/8" (09)	10	4,500	54	22" x 12"	12
7/8" (09)	13	3,500	53	22" x 12"	12
7/8" (09)	15	3,000	53	22" x 12"	12



* Price On Request. Please contact Jain Customer Service for Pricing & Availability

** Additional flow rates, spacings, & lengths available.

Chapin DLX Ordering Guide

Chapin	Size	Wall Thickness	Spacing	Flow Rates at 6 PSI	Flow Rates at 8 PSI	Flow Rates at 10 PSI	Length (100s ft.)		
				gpm/100ft	gpm/100ft	gpm/100ft	5/8"	7/8"	
DLX	5/8" (06)	05	2		1.60	2.00	120	090	
					0.80	1.00			
			4		1.06	1.33			
					1.44	1.80			
				6		0.24			0.30
						0.32			0.40
		06	6		0.40	0.50			
					0.80	1.00			
			8		1.06	1.33			
					0.32	0.40			
					0.40	0.50			
					0.52	0.65			
		07	8		0.68	0.85			
					1.20	1.50			
			10		0.20	0.25			
					0.24	0.30			
					0.32	0.40			
					0.40	0.50			
08	12		0.52	0.65					
			0.80	1.00					
	13		1.20	1.50					
			0.16	0.20					
			0.32	0.40					
			0.40	0.50					
09	16		0.40	0.50					
			0.12	0.15					
	18		0.16	0.20					
			0.24	0.30					
			0.24	0.30					
			0.40	0.50					

Example: DLX 09 05 08 050 030
Model: DLX 09 05 08 050-030 | **Description:** Chapin DLX, 7/8" (09) ID, 5 mil, 8" Spacing, 0.50 gpm/100ft, 13,000 ft/reel.

Cascade Drip Tape

TAPE AND EMITTERLINE

Diameter (in)	Wall Thickness (mil)	Reel Length (ft)	Estimated Reel Weight (lbs)	Pallet Quantity
5/8" Cascade				
5/8" (06)	6	12,000	63	16
5/8" (06)	8	8,000	59	16
5/8" (06)	10	6,700	60	16
5/8" (06)	13	5,400	61	16
5/8" (06)	15	4,000	56	16
7/8" Cascade				
7/8" (09)	8	6,000	61	16
7/8" (09)	10	5,400	63	16
7/8" (09)	13	4,000	66	16
7/8" (09)	15	2,700	54	16
1" Cascade				
1" (10)	10	4,500	65	16
1" (10)	13	3,000	65	16
1" (10)	15	3,000	67	16
1 1/8" Cascade				
1-1/8" (11)	10	4,000	75	16
1-1/8" (11)	13	3,000	74	16
1-1/8" (11)	15	2,700	76	16
1 3/8" Cascade				
1-3/8" (14)	15	2,700	82	16

Note: Please contact Jain Customer Service for price and availability.

Cascade Drip Tape Ordering Guide

Product Model	Hose Size (in)	Wall Thickness (mil)	Spacing (in)	Flow Rate (GPH/emitter)	Reel Lengths (ft)				
					5/8"	7/8"	1"	1 1/8"	1 3/8"
CD	5/8" (06)	06	8"	0.13	12,000	8,000	N/A	N/A	N/A
	7/8" (09)	08	12"	0.17	8,000	6,000	N/A	N/A	N/A
	1" (10)	10	14"	0.22	6,700	5,400	4,500	4,000	N/A
	1-1/8" (11)	13	16"	0.26	5,400	4,000	3,600	3,600	N/A
	1-3/8" (14)	15	20"	0.37	4,000	2,700	3,000	2,700	2,700
		24"	0.78						

Example: CD 10 13 14 17 045

Model: CD 10 13 14 17- 036 | **Description:** Cascade, 1" (10) ID - 13 mil - 14" Spacing - 0.17 GPH/emitter - 4,500 ft/reel



0.13 GPH



0.17 GPH



0.22 GPH



0.26 GPH



0.37 GPH



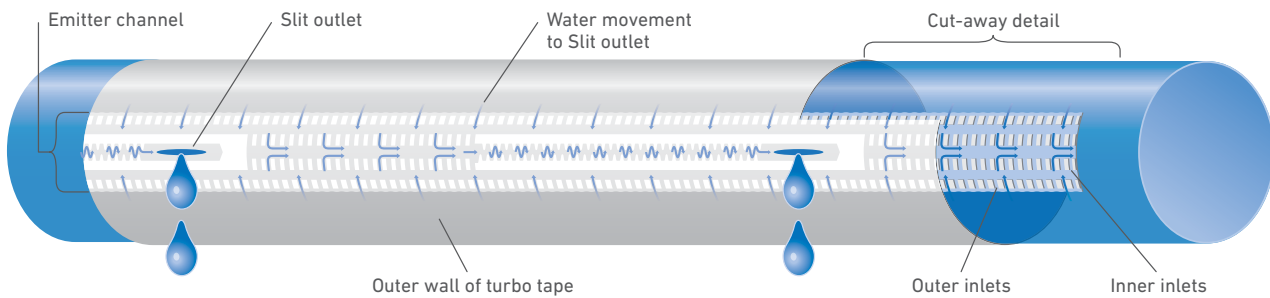
0.78 GPH



Turbo Tape Echelon Drip Tape

TAPE AND EMITTERLINE

Diameter (in)	Wall Thickness (mil)	Reel Length (ft)	Estimated Reel Weight (lbs)	Pallet Quantity
5/8" (06) Turbo Tape Echelon				
5/8" (06)	5	12,000	75	16
5/8" (06)	6	10,000	73	16
5/8" (06)	8	7,500	74	16
5/8" (06)	10	6,000	69	16
7/8" (09) Turbo Tape Echelon				
7/8" (09)	6	7,500	71	16
7/8" (09)	8	5,500	65	16
7/8" (09)	10	4,500	54	16



Top Drip PC Emitterline

TopDrip Packaging Information

Size (mm)	Coil Length (ft)	Approx Weight (lbs)	Pallet (Qty)	Truckload (Qty)
17	1,000	36	24	711
18	1,000	39	24	711
20	1,000	44	20	351
22	1,000	56	20	227



Top Drip PC Emitterline Ordering Guide

Product Model	Size (mm)	Wall Thickness (mil)	Flow Rate (GPH/emitter)	Spacing (in)	Indicator Emitter	Length (ft)
TD	TD17 (0.660" OD x 0.570" ID)	35 40 45* 50	0.27	12	AS	1000
	TD18 (0.710" OD x 0.620" ID)		0.42	18		
	TD20 (0.780" OD x 0.690" ID)		0.53	24		
	TD22 (0.920" OD x 0.820" ID)		0.61	30		
			1	36		

Example: TD18 45 42 30 AS-1000

Model: TD18 45 42 30 AS-1000

Description: Top Drip PC Heavy Wall, AS 18mm, 45 wall, 0.42 GPH/emitter, 30" Spacing, Anti-Siphon, 1,000 ft/reel.

* Standard wall thickness



Amnon Emitterline

Amnon Packaging Information

Size (mm)	Coil Length (ft)	Approx Weight (lbs)	Pallet (Qty)	Truckload (Qty)
17	1,000	36	24	711
18	1,000	39	24	711
20	1,000	44	20	351
22	1,000	56	20	227



Amnon Emitterline Ordering Guide

Product Model	Size (mm)	Wall (in)	Flow (GPH)	Spacing (in)	Indicator Emitter	Length (ft)	
AP	17 (.660" O.D. x .570" I.D.)	35	AS	12	AS	1000	
			0.29	18			
			0.42	24			
			0.53	30			
	18 (.710" O.D. x .620" I.D.)	40	0.58	36	CNL		
			1.06	42			
	20 (.800" O.D. x .710" I.D.)	45*	50	CNL	48		CNL
				0.27	60		
				0.38			
				0.50			
22 (.920 OD x .820 I.D.)			0.55				
			1.00				

Example: AP 18 45 42 30 AS 1000

Model: AP 18 45 42 30 AS-1000

Description: 18mm tubing, 45" wall, .42 GPH Amnon AS Emitter, 30" spacing on emitters, 1000' Coil

* Standard wall thickness

Note: Please contact Customer Service for price and availability.

AS = Anti-Siphon CNL = Check-Valve No Leak



Amnon Emitterline with Clips

Amnon with Clips Packaging Information

Size (mm)	Coil Length (ft)	Approx. Weight (lbs)	Pallet (Qty)	Truckload (Qty)
18	1,000	40	24	450
20	1,000	45	20	351



Amnon Emitterline with Clips Ordering Guide

Product Model	Size (mm)	Wall (in)	Flow (GPH)	Spacing (in)	Indicator Emitter	Clip (in)	Length (ft)	
CAP	CAP18 (.710" O.D. x .620" I.D.)	.40"	0.27	12	AS	12	1000	
				18		18		
				24		24		
		.45" *	0.5	30		CNL		30
				36		36		
				42		42		
.50"	1	48		48				

Example: CAP20 45 5 24 AS 24-1000

Model: CAP20 45 5 24 AS 24-1000

Description: 20mm tubing, 45" wall, 0.5 GPH Amnon AS Emitter, 24" spacing on emitters and 24" spacing on clips, 1000' Coil

* Standard wall thickness

Aqualine Emitterline

Aqualine Packaging Information

Size (mm)	Coil Length (ft)	Approx Weight (lbs)	Pallet Qty)	Truckload Qty)
16	100	4	60	
	500	18	24	
	1000	35	24	700*
18	100	4	60	
	500	19	24	
	1000	39	24	630*
20	100	5	60	
	500	22	24	
	1000	45	14	390*

*Approximate Handstacked Quantities



Aqualine Emitterline

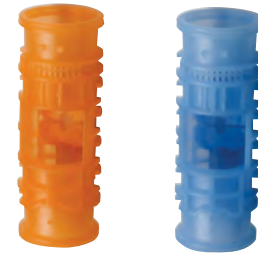
Aqualine Traditional Ordering Guide (Non-PC Emitterline)

Product Model	Tubing Size (mm)	Flow (GPH)	Spacing (in)	Length (ft)
A	A16 (0.640" O.D. x .550" I.D.)	0.53	12	100
		1.00	18	
			24	
	A18 (0.710" O.D. x .620" I.D.)	0.53	30	500
		0.75	36	
		1.00	42	
	A20 (0.800" O.D. x .710" I.D.)	0.53	48	1000
		1.00	60	

Example: A18 53 30 1000

Model : A18-53-30-1000

Description: Aqualine Traditional 18 mm tubing, 0.53 GPH emitter, 30" spacing on emitters, 1000' Coil



Aqualine Emitters

Aqualine Signature Ordering Guide (PC Emitterline)

Product Model	Tubing Size (mm)	Flow (GPH)	Spacing (in)	Indicator Emitter	Length (ft)	
A	A16 (0.640" O.D. x 0.550" I.D.)	0.42	12	PC	100	
		0.50				
		1.00				
	A18 (0.710" O.D x 0.620" I.D)	0.50	18		500	
		0.85	24			
			30			
	A20 (0.800" O.D. x 0.710" I.D.)	0.52	36		1000	
			0.90			42
						48
		60				

Example: A20 55 36 PC 1000

Model: A20 55 36 PC-1000

Description: Aqualine Signature 20mm tubing, 0.52 GPH emitter, 36" spacing on emitters, 1000' Coil



Aqualine Emitters

Total CV Emitterline

TAPE AND EMITTERLINE

Model #	Part #	Description	Dimension		Coil Length (ft)	Color	Est. Weight (lbs)	Pallet (Qty)
			I.D	O.D				
Total CV Emitterline								
CV-67-61-12-10	71500740	700 x 600 0.55GPH @ 12"	0.6	0.7	100	Black	5	60
CV-67-61-12-50	71500741	700 x 600 0.55GPH @ 12"	0.6	0.7	500	Black	19	24
CV-67-61-18-10	71500803	700 x 600 .55GPH @ 18"	0.6	0.7	100	Black	5	60
CV-67-61-18-50	71500804	700 x 600 .55GPH @ 18"	0.6	0.7	500	Black	19	24
CV-67-100-12-10	71500890	700 x 600 1.0GPH @ 12"	0.6	0.7	100	Black	5	60
CV-67-100-12-50	71500921	700 x 600 1.0GPH @ 12"	0.6	0.7	500	Black	19	24
CV-67-100-18-10	71500805	700 x 600 1.0GPH @ 18"	0.6	0.7	100	Black	5	60
CV-67-100-18-50	71500922	700 x 600 1.0GPH @ 18"	0.6	0.7	500	Black	19	24
CV-17-61-12-10	71591201	17 mm 0.55GPH @ 12"	0.56	0.66	100	Brown	5	60
CV-17-61-12-50	71591207	17 mm 0.55GPH @ 12"	0.56	0.66	500	Brown	19	24
CV-17-61-18-10	71591213	17 mm 0.55GPH @ 18"	0.56	0.66	100	Brown	5	60
CV-17-61-18-50	71591219	17 mm 0.55GPH @ 18"	0.56	0.66	500	Brown	19	24
CV-17-100-12-10	71591301	17 mm 1.0GPH @ 12"	0.56	0.66	100	Brown	5	60
CV-17-100-12-50	71591307	17 mm 1.0GPH @ 12"	0.56	0.66	500	Brown	19	24
CV-17-100-18-10	71591313	17 mm 1.0GPH @ 18"	0.56	0.66	100	Brown	5	60
CV-17-100-18-50	71591319	17 mm 1.0GPH @ 18"	0.56	0.66	500	Brown	19	24
660x560-100PEB	71200503	17mm PE (blank)	0.56	0.66	100	Brown	5	60
660x560-500PEB	71200505	17mm PE (blank)	0.56	0.66	500	Brown	19	24

Note: Other flow rates, spacings and lengths available. Contact Jain Customer Service for price and availability.



Total CV Emitterline (Brown)



Total CV Emitterline (Black)

TOTAL CV Emitterline Ordering Guide

Product Model	Tubing Size (mm)	Flow Rate (GPH)	Spacing (in)	Coil Length (ft)	Color
CV	CV17 (0.560 I.D. x 0.660 O.D.)	0.27	12	100 (10)	- (Black) B (Brown)
		0.38			
		0.50	18	500 (50)	
	CV67 (0.600 I.D. x 0.700 O.D.)	0.55	24	1000 (100)	
		1.00			

Example: CV17

50

12

50

B

Model: CV17 50 12 50-B | **Description:** TOTAL CV 17mm, 0.50 GPH emitter, 12" spacing on emitter, 500' Brown Coil



Mini-Pepline Emitterline

TAPE AND EMITTERLINE

Model #	Part #	Description	Coil Length (ft)	Color	Est. Coil Weight (lbs)	Box (Qty)	Stock Code
Mini-Pepline (.250 O.D x .170 I.D)							
PM0406100	71500023	6" Emitter Spacing	100	Black	2.6	20	
PM0406100B	71500880	6" Emitter Spacing	100	Brown	2.6	20	
PM0412100	71500025	12" Emitter Spacing	100	Black	1.7	20	
PM0412100B	71500881	12" Emitter Spacing	100	Brown	1.7	20	
PM0406500	71500861	6" Emitter Spacing	500	Black	13.8	2	
PM0412500	71500862	12" Emitter Spacing	500	Black	13.4	2	MTO
PM04061000	71500867	6" Emitter Spacing	1000	Black	27.6	2	MTO
PM04061000B	71500868	6" Emitter Spacing	1000	Brown	27.6	2	MTO

Model #	Flow Rate (GPH)	Spacing (in)	Coil Length (ft)	Color
PM04	0.50 1.00	06 12	100 250 500	- (Black) B (Brown)

Example: PM04 50 12 50 B

Model: PM04 50 12 50-B

Description: Mini-Pepline, 0.50 GPH emitter, 12" spacing on emitter, 500' Brown Coil



Mini-Pepline (Brown)



Mini-Pepline (Black)



TAPE AND EMITTERLINE



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- B-09** Oval Hose
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Micro / Distribution Tubing

SUPPLY TUBING

Model #	Part #	Description	Size (mm)	Coil Length (ft)	Box (Qty)	Estimated Box Wt (lbs)	Pallet Qty	Stock Code	List Price
Micro / Distribution Tubing - Vinyl Coils									
187x125-50V	71190168	0.187" x 0.125"	4.7 x 3.2	50	40		1000	MTO	\$20.50
187x125-100V	71190172	0.187" x 0.125"	4.7 x 3.2	100	25	26.0	900		\$22.21
187x125-500V	71190151	0.187" x 0.125"	4.7 x 3.2	500	2		72	MTO	\$85.87
187x125-1000V	71190591	0.187" x 0.125"	4.7 x 3.2	1000	2	23.0	72		\$166.84
187x125-3000V	11190592	0.187" x 0.125"	4.7 x 3.2	3000	1	32.0	36	MTO	\$346.04
220x160-50V	71190055	0.220" x 0.160"	5.6 x 4.1	50	40		1000	MTO	\$14.54
220x160-100V	71190042	0.220" x 0.160"	5.6 x 4.1	100	20	21.0	720		\$21.11
220x160-500V	71190685	0.220" x 0.160"	5.6 x 4.1	500	2		72	MTO	\$96.49
220x160-1000V	11190597	0.220" x 0.160"	5.6 x 4.1	1000	2	25.0	72		\$180.44
220x160-2500V	11190598	0.220" x 0.160"	5.6 x 4.1	2500	1	30.0	36		\$380.65
250x160-100V	71500656	0.250" x 0.160"	6.4 x 4.1	100	20	27.0	540		\$21.27
250x160-1000V	71500657	0.250" x 0.160"	6.4 x 4.1	1000	2	35.0	72	MTO	\$190.33
250x170-50V	71190355	0.250" x 0.170"	6.4 x 4.3	5000	30		1440	MTO	\$16.06
250x170-100V	71190351	0.250" x 0.170"	6.4 x 4.3	100	15	28.0	540		\$23.26
250x170-500V	71190636	0.250" x 0.170"	6.4 x 4.3	500	2		72	MTO	\$126.06
250x170-1000V	11190602	0.250" x 0.170"	6.4 x 4.3	1000	2	36.0	72		\$217.51
276x158-1000V	11190166	0.276" x 0.158"	7.0 x 4.0	1000	1	36.0	36		\$305.26



0.187 x 0.125 (100' Coil)

Micro / Distribution Tubing - Vinyl Cut Lengths

All micro tubing sizes are available in various cut lengths.

Micro / Distribution Tubing - PE Cut Lengths

All micro tubing sizes are available in various cut lengths.



Note: Contact JAIN customer service for price and availability

Micro / Distribution Tubing

Model #	Part #	Description	Size (mm)	Coil Length	Box Qty	Pallet Qty	Stock Code	List Price
Micro / Distribution Tubing - PE Coils								
125x063-3500PE	11190661	0.125" x 0.063"	3.2 x 1.6	3500	2	72	MTO	\$312.68
128x036-2500PE	11190805	0.128" x 0.036"	3.3 x 0.9	2500	2	72		\$250.88
128x050-2500PE	11190809	0.128" x 0.050"	3.3 x 1.3	2500	2	72		\$218.75
128x060-2500PE	11190813	0.128" x 0.060"	3.3 x 1.5	2500	1	36	MTO	\$218.75
128x076-2500PE	11190648	0.128" x 0.076"	3.3 x 1.9	2500	1	36		\$269.42
187x125-100PE	11190149	0.187" x 0.125"	4.7 x 3.2	100	25	900		\$15.86
187x125-1000PE	11190589	0.187" x 0.125"	4.7 x 3.2	1000	2	72		\$143.36
187x125-3000PE	11190590	0.187" x 0.125"	4.7 x 3.2	3000	1	36		\$346.04
188x128-3000PE	11190593	0.188" x 0.128"	4.8 x 3.3	3000	1	36		\$317.62
220x160-100PE	71190255	0.220" x 0.160"	5.6 x 4.1	100	20	720		\$15.23
220x160-500PE	71190801	0.220" x 0.160"	5.6 x 4.1	500	2	72	MTO	\$109.96
220x160-1000PE	71190595	0.220" x 0.160"	5.6 x 4.1	1000	2	72		\$168.08
220x160-2500PE	11190596	0.220" x 0.160"	5.6 x 4.1	2500	1	36		\$304.03
225x155-2500PE	11190609	0.225" x 0.155"	5.7 x 3.9	2500	1	36	MTO	\$332.45
250x160-1000PE	11190078	0.250" x 0.160"	6.4 x 4.1	1000	2	72		\$176.73
250x170-50P	71190338	0.250" x 0.170"	6.4 x 4.3	50	20	720	MTO	\$9.56
250x170-500PE	71190320	0.250" x 0.170"	6.4 x 4.3	500	2	72		\$88.00
250x170-1000PE	71190600	0.250" x 0.170"	6.4 x 4.3	1000	2	72		\$143.36
250x170-2000PE	11190601	0.250" x 0.170"	6.4 x 4.3	2000	1	36		\$307.73
272x188-1500PE	11190614	0.272" x 0.188"	6.9 x 4.8	1500	1	36		\$255.83
275x210-1500PE	11190616	0.275" x 0.210"	7.0 x 5.3	1500	1	36		\$221.22
307x250-1000PE	11190605	0.307" x 0.250"	7.8 x 6.4	1000	1	36		\$168.08
350x250-100PE	11190511	0.350" x 0.250"	8.9 x 6.4	100	12	288	MTO	\$29.99
350x250-500PE	11190621	0.350" x 0.250"	8.9 x 6.4	500	2	72		\$154.49
350x250-1000PE	11190622	0.350" x 0.250"	8.9 x 6.4	1000	1	36		\$290.43
375x250-750PE	11190624	0.375" x 0.250"	9.5 x 6.4	750	1	36		\$247.17
455x375-100PE	11190529	0.455" x 0.375"	11.6 x 9.5	100		60		\$42.27
455x375-500PE	11190531	0.455" x 0.375"	11.6 x 9.5	500		40		\$131.01
455x375-1000PE	11190534	0.455" x 0.375"	11.6 x 9.5	1000		24		\$255.83



0.250 x 0.170 (2500' Coil)

Bubbler and Nursery Tubing

SUPPLY TUBING

Model #	Part #	Description	Box (Qty)	Box Wt (lbs)	Pallet (Qty)	Stock Code	List Price
Bubbler Tubing							
PQB-100	71500155	100' coil of POLY Bubbler tubing banded with instructions	20	32.0	540		\$20.79
PQB-1000	71500156	1000' coil of POLY Bubbler tubing on Starburst reel	2	36.0	96	MTO	\$138.42
PQBV-100	71500158	100' coil of VINYL Bubbler tubing banded with instructions	20	32.0	540		\$25.01
PQBV-1000	71500159	1000' coil of VINYL Bubbler tubing on Starburst reel	2	36.0	96	MTO	\$218.75
1/4" Nursery Tubing							
187x125-100N	11190788	100' coil of nursery tubing - white	25	18.0	900	MTO	\$19.70
187x125-1000N	11190789	1000' coil of nursery tubing - white	2	16.0	72	MTO	\$169.32
187x125-3000N	11190790	3000' coil of nursery tubing - white	1	22.0	36	MTO	\$483.22
220x150-100N	11190791	100' coil of nursery tubing - white	20	21.0	720	MTO	\$30.27
220x150-1000N	11190792	1000' coil of nursery tubing - white	2	25.0	72	MTO	\$271.89
220x150-2500N	11190793	2500' coil of nursery tubing - white	1	30.0	36	MTO	\$664.89



Note: For use with Octa-Bubbler, Quadra Bubbler and QB2 manifolds.



IPS Flex Risers and Irrigation Hose

Model #	Part #	Description	Coil Length (ft)	Bundle (Qty)	Est Coil Bundle Wt (lbs)	Pallet (Qty)	Stock Code	List Price
1/2" IPS 0.840 O.D. 0.147 WALL								
1/2-IPS-100	11210008	1/2" IPS	100	-	21.0	50		\$120.55
1/2-IPS-200	11210007	1/2" IPS	200	-	42.0	24		\$260.77
1/2-IPS-CL12	11210010	1/2" IPS	12	50	10.0	3000	MTO	\$1.64
1/2-IPS-CL24	11210017	1/2" IPS	24	50	21.0	2500		\$2.95
1/2-IPS-CL30	11210020	1/2" IPS	30	50	26.0	2000	MTO	\$3.77
1/2-IPS-CL36	11210021	1/2" IPS	36	50	31.0	1200		\$4.29
1/2-IPS-CL42	11210023	1/2" IPS	42	50	37.0	1500	MTO	\$5.12
1/2-IPS-CL48	11210025	1/2" IPS	48	50	41.0	1500		\$5.42
1/2-IPS-CL60	11210028	1/2" IPS	60	50	51.0	1500		\$7.72
1/2-IPS-CL72	11210029	1/2" IPS	72	50	63.0	1500		\$8.82
3/4" IPS 1.05 O.D. 0.154 WALL								
3/4-IPS-100	11210061	3/4" IPS	100	-	27.0	36		\$163.14
3/4-IPS-200	11210060	3/4" IPS	200	-	54.0	24		\$317.62
3/4-IPS-CL5	11210082	3/4" IPS	5	25		5	MTO	\$1.59
3/4-IPS-CL18	11210068	3/4" IPS	18	25	11.0	3000	MTO	\$3.02
3/4-IPS-CL24	11210071	3/4" IPS	24	25	14.0	2000		\$3.38
3/4-IPS-CL30	11210074	3/4" IPS	30	25	17.0	2000		\$4.21
3/4-IPS-CL36	11210077	3/4" IPS	36	25	20.0	1500		\$5.12
3/4-IPS-CL42	11210079	3/4" IPS	42	25	24.0	1500		\$5.83
3/4-IPS-CL48	11210081	3/4" IPS	48	25	27.0	1500		\$6.83
3/4-IPS-CL60	11210085	3/4" IPS	60	25	34.0	1000		\$8.82
3/4-IPS-CL72	11210087	3/4" IPS	72	25	42.0	500		\$11.09
1" IPS 1.315 O.D. 0.179 WALL								
1-IPS-100	11210042	1" IPS	100	-	41.0	24		\$318.85
1-IPS-CL24	11210046	1" IPS	24	20	17.0	1200		\$6.59
1-IPS-CL30	11210047	1" IPS	30	20	20.5	800		\$8.37
1-IPS-CL36	11210048	1" IPS	36	20	24.6	800		\$10.56
1-IPS-CL48	11210050	1" IPS	48	20	33.0	800		\$17.36

Note: Use IPS #2795 or equivalent to glue into PVC fittings or saddles. JAIN vinyl IPS pipe and irrigation hose are designed for use in irrigation systems. They are not for use on indoor systems or for static flow, continuous pressure (no-flow) conditions, hot water, or as potable water service pipe. Use caution in above ground applications, as the pipe could be subjected to higher operating temperatures. High temperatures will greatly reduce pressure-holding policy.

Model #	Part #	Description	Box (Qty)	Box Wt (lbs)	Pallet (Qty)	List Price
Flex Vinyl Irrigation Hose - 1/2" hose 0.680 O.D. 0.090 wall						
1/2-IH	11210034	1/2" Irrigation Hose	500	54.0	24	\$467.16
Flex Vinyl Irrigation Hose - 5/8" hose 0.825 O.D. 0.100 wall						
5/8-IH	11210093	5/8" Irrigation Hose	300	46.0	24	\$383.12
Flex Vinyl Irrigation Hose - 3/4" hose 0.970 O.D. 0.110 wall						
3/4-IH	11210054	3/4" Irrigation Hose	200	39.0	24	\$337.39

Note: Used in hose pull type irrigation systems. Contact JAIN Customer Service for price and availability.



SUPPLY TUBING



Black Steel Tubing

SUPPLY TUBING

Model #	Part #	Description	Power-Loc	Coil Length (ft)	Working Pressure	Stock Code	List Price
Black Steel Tubing*							
B620-42-1200	11200444	1/2"	PL-60	1200	54	MT0	\$517.83
B720-45-1200	11200445	5/8"	PL-70	1200	52	MT0	\$517.83
B820-47-1200	11200450	3/4"	PL-80	1200	55	MT0	\$517.83
B1060-57-660	11200452	1"	PL-100	660	46	MT0	\$517.83

* For use with Power-Loc fittings only.



Polyethylene Supply Tubing

Model #	Part #	Description	I.D.	O.D.	Coil Length (ft)	Coil Width (in)	Coil Height (in)	Pallet Qty	Estimated Wt (lbs)	Stock Code	List Price
Supply Tubing - PE - Black											
455X375-500PE	11190531	3/8"	0.375"	0.455"	500 FT	17	10	36	11		\$131.01
455X375-1000PE	11190534	3/8"	0.375"	0.455"	1000 FT	24	10	36	21		\$255.83
620X520-100PE	71200061	1/2"	0.520"	0.620"	100 FT	16	6	78	2		\$40.95
620X520-500PE	71200064	1/2"	0.520"	0.620"	500 FT	24	24	28	18		\$173.02
620X520-1000PE	11200067	1/2"	0.520"	0.620"	1000 FT	30	24	28	36		\$253.35
700X600-100PE	71200002	1/2"	0.600"	0.700"	100 FT	16	6	78	4		\$48.03
700X600-500PE	71200007	1/2"	0.600"	0.700"	500 FT	22	12	28	21		\$153.25
700X600-1000PE	11200001	1/2"	0.600"	0.700"	1000 FT	31	10	28	41		\$305.26
710X620-100PE	71200012	1/2"	0.620"	0.710"	100 FT	16	6	78	10		\$45.15
710X620-500PE	71200017	1/2"	0.620"	0.710"	500 FT	24	10	28	19		\$148.31
710X620-1000PE	11200018	1/2"	0.620"	0.710"	1000 FT	31	10	24	38		\$262.01
820X720-1000PE	11200195	5/8"	0.720"	0.820"	1000 FT	36	10	12	49		\$364.58
927X817-100PE	11200045	3/4"	0.817"	0.927"	100 FT	22	6	40	6		\$62.75
927X817-500PE	11200048	3/4"	0.817"	0.927"	500 FT	33	10	12	30	MTO	\$205.32
927X817-1000PE	11200049	3/4"	0.817"	0.927"	1000 FT	42	10	6	61	MTO	\$432.55
940X820-100PE	71200041	3/4"	0.820"	0.940"	100 FT	22	6	40	7		\$68.09
940X820-250PE	71200043	3/4"	0.820"	0.940"	250 FT	27	8	24	17		\$158.19
940X820-500PE	71200044	3/4"	0.820"	0.940"	500 FT	33	10	12	34		\$253.35
940X820-1000PE	11200040	3/4"	0.820"	0.940"	1000 FT	42	10	6	67	MTO	\$515.35
940X830-500PE	11200138	3/4"	0.830"	0.940"	500 FT	33	10	12	31		\$207.63
940X830-1000PE	11200119	3/4"	0.830"	0.940"	1000 FT	42	10	6	62		\$389.20
1174X1050-100PE	11200030	1"	1.050"	1.174"	100 FT	31	6	10	9	MTO	\$89.52
1174x1050-660PE	11200029	1"	1.050"	1.174"	660 FT	45	10	6	58	MTO	\$448.62
1190X1060-660PE	11200108	1"	1.060"	1.190"	660 FT	46	10	6	61	MTO	\$457.27
1200X1060-660PE	11200025	1"	1.060"	1.200"	660 FT	46	10	6	67		\$514.12
1550X1390-300PE	11200014	1 1/4"	1.390"	1.550"	300 FT	52	8	10	37		\$317.62

Note: Working pressure is the PSI ASAE S435 Standard at 73 degrees Fahrenheit.



100% Virgin Resin Polyethylene

Polyethylene Supply Tubing

SUPPLY TUBING

Model #	Part #	Description	Wall Thickness	Coil Length (ft)	Pallet Qty	Est Weight (lbs)	Stock Code	List Price
Supply Tubing - White								
W520X620-50	11200603	0.620" x 0.520"	0.050"	500	28	18	MTO	\$149.54
W520X620-100	11200604	0.620" x 0.520"	0.050"	1,000	28	36	MTO	\$278.07
W600X700-50	11200601	0.700" x 0.600"	0.050"	500	28	21	MTO	\$160.67
W600X700-100	11200602	0.700" x 0.600"	0.050"	1,000	28	41	MTO	\$301.55
W620X710-50	11202001	0.710" x 0.620"	0.045"	500	28	19	MTO	\$205.16
W620X710-100	11202002	0.710" x 0.620"	0.045"	1,000	24	38	MTO	\$217.51
W830X940-50	11202003	0.940" x 0.830"	0.060"	500	10	34	MTO	\$243.47
W106X120-50	11202005	1.20" x 1.06"	0.070"	500	8	50	MTO	\$379.41



Model #	Part #	Description	Coil Length (ft)	Estimated Coil Wt (lbs)	Pallet Qty	List Price
Softube - Tire Wrap Packaging						
680x490-STTW	71230030	1/2" Softube 100'	100	7.0	60	\$75.92
Poly Swing Pipe - Tire Wrap Packaging						
690x490-PETW	71230004	1/2" Poly Swing Pipe	100	8.0	60	\$76.26



Minimum Order Requirements:

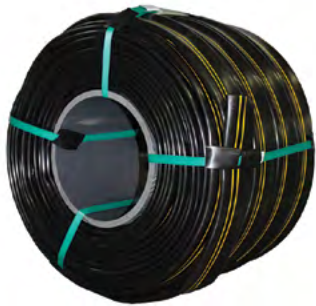
Blank Tubing (Black) - 0.900" OD and Above
 MTO Custom - 40,000' Minimum
 \$500 Set-Up Charge for < 40,000'
 Overages - Up to 10% of Order - Will Be Shipped & Invoiced

Blank Tubing (Black) - 0.899" OD and Below
 MTO/Custom - 80,000' Minimum
 \$500 Set-Up Charge for < 80,000'
 Overages - Up to 10% of Order - Will Be Shipped & Invoiced

Custom Color Blank Tubing- Any Color/Any Size
 MTO/Custom - 100,000' Minimum
 \$1000 Set-Up Charge for < 100,000'
 Overages - Up to 10% of Order - Will Be Shipped & Invoiced

Oval Hose

Model #	Part #	Description	Coil Length (ft)	Estimated Coil Wt (lbs)	Pallet Qty	List Price
Oval Hose						
JOH040040F300	11220086	1-1/2" Oval Hose, 0.040" wall, 21 psi	300	34.7	24	\$250.88
JOH052051F450	11220081	2" Oval Hose, 0.051" wall, 21 psi	450	75	12	\$545.01
JOH077076F200	11220082	3" Oval Hose, 0.076" wall, 21 psi	200	70	24	\$549.96
JOH101100F130	11220083	4" Oval Hose, 0.100" wall, 21 psi	130	77	24	\$620.40
JOH151109F100	11220084	6" Oval Hose, 0.109" wall, 21 psi	100	100	16	\$882.40



3" Oval Hose

Aqua-Flat Hose

Model #	Part #	Description	Inner Diameter (in)	Wall Thickness (in)	Working Pressure PSI@70F	Coil Length (ft)	Coil Weight (lbs)	List Price
Aqua-Flat								
PFAF1.5-300	11220111	1.5	1.57	0.059	90	300	48	\$449.60
PFAF2-300	11220112	2	2.08	0.063	80	300	63	\$490.60
PFAF3-300	11220113	3	3.07	0.067	70	300	108	\$944.00
PFAF4-300	11220114	4	4.075	0.079	70	300	141	\$1182.60
PFAF6-300	11220116	6	6.141	0.083	50	300	249	\$2302.60
PFAF8-300	11220118	8	8.09	0.09	45	300	435	\$4900.00





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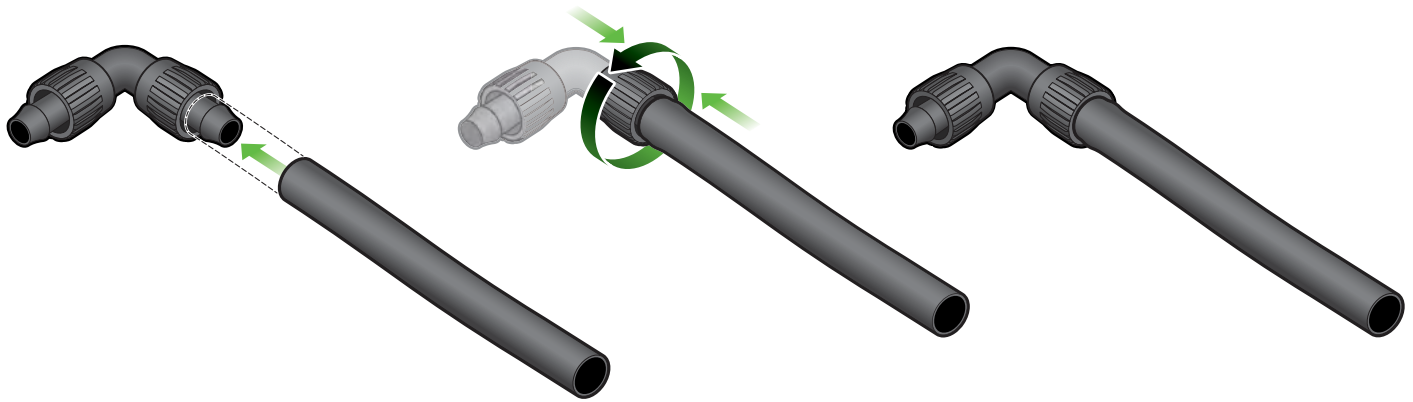
C-02	Power-Loc Fittings	C-23	Barbed and Threaded Fittings
C-09	Power-Loc Riser Assembly Ordering Guide	C-26	Adapters
C-10	Manual Control Valves	C-28	Ball Valves
C-11	Tape-Loc Fittings	C-29	Saddles
C-16	Tape-Loc Riser Assembly Ordering Guide		
C-17	Compression Fittings		
C-22	Compression Riser Assembly Ordering Guide		

Power-Loc Fittings

FITTINGS

Size Selection Chart—Nominal Tubing Size

Fitting Series Number	Acceptable I.D.		Acceptable Wall Thickness	
	Inches	Millimeters	Inches	Millimeters
50	0.500 to 0.580	12.7 to 14.7	0.035 to 0.055	0.89 to 1.40
55	0.520 to 0.620	13.2 to 15.7	0.045 to 0.055	1.14 to 1.40
60	0.580 to 0.675	14.7 to 17.1	0.025 to 0.055	0.64 to 1.40
70	0.665 to 0.765	16.9 to 19.4	0.035 to 0.055	0.89 to 1.40
80	0.790 to 0.845	20.1 to 21.5	0.045 to 0.065	1.14 to 1.65
100	1.035 to 1.075	26.3 to 27.3	0.062 to 0.075	1.57 to 1.91



Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code	List Price
Power-Loc Coupling							
PL-50-PC	12050005		25	650	26.8		\$1.04
PL-55-PC	72050305		25	500	26.8		\$1.16
PL-60-PC	12050105		25	500	26.8		\$1.04
PL-70-PC	12050205		25	400	28.1		\$1.49
PL-80-PC	12050607		25	300	16.0		\$3.02
PL-100-PC	12050611		25	175	24.0		\$3.44
Power-Loc Tee							
PL-50-P3T	12050001		25	225	17.3		\$2.64
PL-55-P3T	72050301		25	250	17.3		\$2.76
PL-60-P3T	12050101		25	250	18.0		\$2.64
PL-70-P3T	12050201		25	225	18.0		\$2.90
PL-80-P3T	12050616		10	150	30.0		\$7.28
PL-100-P3T	12050619		10	90	30.0		\$9.17
Power-Loc x 3/4" FH Swivel Tee with Washer							
PL-50-PST-WW	12050002		25	350	14.8		\$2.84
PL-55-PST-WW	72050302		25	250	14.8		\$3.41
PL-60-PST-WW	12050102		25	250	10.0		\$2.84
PL-70-PST-WW	12050202		25	225	10.0		\$3.27
PL-80-PST-WW	12050600		25	175	11.0		\$6.54



Power-Loc Fittings

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code	List Price
Power-Loc x 3/4" FH Swivel Tee with Screen							
PL-50-PST-WS	12050003		25	350	14.8		\$3.20
PL-55-PST-WS	72050315	PL-55-PST/WS POWERLOC TEE X 3/4 FHS	25	250	14.8		\$4.31
PL-60-PST-WS	12050103		25	250	10.0		\$3.20
PL-70-PST-WS	12050203		25	225	10.0		\$3.66
PL-80-PST-WS	12050601		25	175	11.0		\$6.75
PL-100-PST-WS	12050612	PL-100-PST-WS PWRLOC SWVL T W/ SCR N	25	100	8.0		\$9.65
Power-Loc x Barbed Adapter Tee							
PL-50-400BT	12050043	400 Barb	25	200	14.8	MTO	\$3.41
PL-50-700BT	12050045	PL-50-700BT PL-50 X 700BRB ADPT TEE	25	200	14.8	MTO	\$3.41
PL-60-400BT	12050143	400 Barb	25	200	10.0	MTO	\$3.47
PL-60-700BT	12050145	700 Barb	25	200	10.0	MTO	\$3.47
PL-70-400BT	12050243	400 Barb	25	200	10.0	MTO	\$3.80
PL-70-700BT	12050245	700 Barb	25	200	10.0	MTO	\$3.80
Power-Loc x 3/4" MHT Adapter Tee							
PL-50-P3TM	12050032	PL-50-P3TM PL50 TEE W/3/4"MHT ADPT	25	450	17.3	MTO	\$4.94
PL-55-P3TM	72050310	PL-55-P3TM P-LOC 55X3/4"MHT ADPT TE	25	400	18.0	MTO	\$2.50
PL-60-P3TM	12050508		25	300	18.0	MTO	\$2.50
PL-70-P3TM	12050530	3/4MHT-CBT-PL70-PL70 POWER-LOC TEE	25	200	18.0	MTO	\$3.70
PL-80-P3TM	12050609	PL-80-P3TM PL80 TEE W/3/4"MHT ADPT	25	175	30.0	MTO	\$3.77
PL-100-P3TM	12050701	PL-100-P3TM PL100 TEE W/3/4"MHT ADP	25	100	30.0	MTO	\$6.37
Power-Loc Tee with 1/2" Socket/ 3/4" Spigot							
PL-50-SSPT	12050046		25	200	14.8	MTO	\$5.12
PL-55-SSPT	72050320		25	200	14.8	MTO	\$3.96
PL-60-SSPT	12050146		25	200	14.8	MTO	\$3.19
PL-70-SSPT	12050246		25	200	10.0	MTO	\$5.00
PL-80-SSPT	12050626	PL-80-SSPT PL80 TEE 1/2"SOC/3/4"SPG	25	175	30.0	MTO	\$7.73
PL-100-SSPT	12050702	PL-100-SSPT PL100 TEE 1/2"SOC/3/4"S	25	100	30.0	MTO	\$8.67
Power-Loc Tee with 3/4" Socket/ 1" Spigot							
PL-50-SSP1T	12050047	PL-50-SSP1T PL50 TEE 3/4"SOCK/1"SPG	25	350	14.8	MTO	\$3.19
PL-55-SSP1T	72050329	PL-55-SSP1T PL55 TEE 3/4"SOCK/1"SPG	25	250	14.8	MTO	\$3.96
PL-60-SSP1T	12050147		25	250	14.8	MTO	\$3.19
PL-70-SSP1T	12050247		25	225	10.0	MTO	\$3.28
PL-80-SSP1T	12050627	PL-80-SSP1T PL80 TEE 3/4"SOCK/1"SPG	25	175	30.0	MTO	\$7.73
PL-100-SSP1T	12050703		25	100	30.0	MTO	\$8.67
Power-Loc Elbow							
PL-50-PELL	12050004		25	550	27.2		\$2.09
PL-55-PELL	72050304	Power-Loc 55 - Elbow	25	400	28.2		\$2.15
PL-60-PELL	12050104		25	400	28.2		\$2.09
PL-70-PELL	12050204		25	350	29.2		\$2.34
PL-80-PELL	12050617		25	250	22.0		\$5.08
PL-100-PELL	12050618	PL-100-PELL POWER-LOCK ELBOW	25	150	22.0		\$5.89



PL-50-PST-WS



PL-50-400BT



PL-50-P3TM



PL-50-SSPT



PL-50-SSP1T



PL-55-PELL

Power-Loc Fittings

FITTINGS

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt. (lbs)	Stock Code	List Price
Power-Loc Elbow x 3/4" FH Swivel with Washer							
PL-50-PSELL-WW	12050026	PL-50-PSELL-WW PL ELBOW X 3/4FHS WW	25	300	27.2	MTO	\$2.09
PL-55-PSELL-WW	72050333	PL-55-PSELL-WW PL ELBOW X 3/4FHS WW	25	450	27.2	MTO	\$2.19
PL-60-PSELL-WW	12050120		25	450	28.2		\$2.09
PL-70-PSELL-WW	12050232	PL-70-PSELL-WW PL ELBOW X 3/4FHS WW	25	400	29.2		\$2.37
PL-80-PSELL-WW	12050629		25	300	27.7	MTO	\$4.65
PL-100-PSELL-WW	12050705		25	200	27.1	MTO	\$6.39
Power-Loc x Male Pipe Adapter (1/2" MPT)							
PL-50-P1/2MA	12050009		25	850	29.2		\$0.90
PL-55-P1/2MA	72050308	Power-Loc 55 x 1/2" MPT Adapter	25	500	30.2		\$1.87
PL-60-P1/2MA	12050109		25	700	30.2		\$0.90
PL-70-P1/2MA	12050209		25	500	31.15		\$0.99
Power-Loc x Male Pipe Adapter (3/4" MPT)							
PL-50-P3/4-MA	12050010		25	700	29.6		\$0.97
PL-55-P3/4-MA	72050317	Power-Loc 55 x 3/4" MPT Adapter	25	500	30.6		\$1.87
PL-60-P3/4-MA	12050110		25	600	30.6		\$0.97
PL-70-P3/4-MA	12050210		25	500	31.6		\$1.07
PL-80-P3/4-MA	12050604	PL-80-P3/4MA POWER-LOC X 3/4" MPT	25	500	25.0		\$1.90
PL-100-P3/4-MA	12050704		25	350	24.0		\$2.23
Power-Loc x Male Pipe Adapter (1" MPT)							
PL-100-P10-MA	12050707		25	300	19	MTO	
Power-Loc x Male Hose Adapter (3/4" MHT)							
PL-50-PMT	12050011	PL-50-PMT POWER-LOC W/ 3/4" MHT	25	700	29.6		\$0.96
PL-55-PMT	72050311		25	500	30.6		\$1.30
PL-60-PMT	12050111		25	600	30.6		\$0.98
PL-70-PMT	12050211		25	500	31.6		\$1.02
PL-80-PMT	12050603		25	500	20.0		\$1.98
PL-100-PMT	12050711	PL-100-PMT POWER-LOC X 3/4" MHT	25	350	24.0		\$2.43
Power-Loc x 50 Hose Reducing Coupling							
PL-60x50-PRC	12050313	PL-50/60-RPC PL50/60 PLOC REDUCING	25	500	26.8	MTO	\$2.01
PL-70x50-PRC	12050013	PL-50/70-PRC PLOC REDUCING COUPLING	25	500	28.1	MTO	\$2.04
Power-Loc x Tape-Loc Adapters							
PL-50X06-LS	12010020		50	500	26.8	MTO	\$1.90
PL-60X06-LS	12010025	PL-60 X 06-LS COUPLING	50	500	26.8	MTO	\$1.86
PL-50X09-LS	12010032		50	400	28.1	MTO	\$3.10
PL-60X09-LS	12010035	PL-60X09-LS	25	400	28.1	MTO	\$3.27
PL-80X09-LS	12010085		50	250	24.0	MTO	\$2.60



PL-50-PSELL-WW



PL-50-P1/2-MA



PL-50-P3/4-MA



PL-60-PMT



PL-60x50-PRC



PL-50X06-LS

Power-Loc Fittings

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code	List Price
Power-Loc x Barb Adapter							
PL-50-400B	12050042	400 barb	50	400	26.8	MTO	\$1.04
PL-50-700B	12050044	700 barb	50	400	26.8	MTO	\$4.07
PL-60-400B	12050142	400 barb	50	400	26.8		\$1.04
PL-60-700B	12050144	700 barb	50	400	26.8	MTO	\$2.16
PL-70-400B	12050242	400 barb	50	400	28.1	MTO	\$2.13
PL-70-700B	12050244	700 barb	50	400	28.1	MTO	\$2.27
PL-80-700B	12050644	700 barb	50	300	16.0		\$2.89
PL-100-700B	12050744	700 barb	50	300	36.5		\$4.83
PL-100-1000B	12050746	PL-100-1000B PL-100 X 1000BRB ADPT	50	150		MTO	\$5.08
Power-Loc with 3/4" FHT Threaded Cap							
PL-50-PETC	12050006		25	600	22.8		\$1.42
PL-55-PETC	72050306		25	500	22.8		\$1.86
PL-60-PETC	12050106		25	500	22.8		\$1.42
PL-70-PETC	12050206		25	500	23.4		\$1.56
PL-80-PETC	12050620		25	400	23.4		\$2.95
PL-100-PETC	12050720		25	250	24.0	MTO	\$3.30
Power-Loc with 3/4" Female Hose Swivel with Washer							
PL-50-PHS-WW	12050007		25	600	27.6		\$1.77
PL-55-PHS-WW	72050307		25	500	28.6		\$2.01
PL-60-PHS-WW	12050107	PL-60-PHS-WW POWER-LOC W/3/4 FHS	25	550	28.6		\$1.77
PL-70-PHS-WW	12050207		25	500	29.6		\$1.99
PL-80-PHS-WW	12050605		25	425	17.0		\$3.69
PL-100-PHS-WW	12050614		25	300	19.0		\$6.55
Power-Loc with 3/4" Female Hose Swivel with Screen							
PL-50-PHS-WS	12050008		25	600	27.6		\$2.15
PL-55-PHS-WS	72050316		25	500	28.6		\$2.26
PL-60-PHS-WS	12050108	PL-60-PHS-WS POWER-LOC X 3/4 FHS	25	550	28.6		\$2.15
PL-70-PHS-WS	12050208		25	500	29.6		\$2.37
PL-80-PHS-WS	12050606		25	425	17.0		\$4.08
PL-100-PHS-WS	12050615		25	300	19.0		\$6.95
Power-Loc Pipe Thread Swivel with Washer							
PL-55-PPS-WW	72050325		25	500	28.6		\$2.51
PL-60-PPS-WW	12050326		25	500	29.6	MTO	\$2.47



PL-50-400B



PL-55-PETC



PL-55-PHS-WW



PL-50-PHS-WS



PL-55-PPS-WW

Power-Loc Fittings

FITTINGS

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt. (lbs)	Stock Code	List Price
Power-Loc with 1/2" Socket, 3/4" Spigot							
PL-50-SSP	12050019	PL-50-SSP1 3/4 SOC X PL	25	800	28.0		\$1.34
PL-55-SSP	72050324		25	500	28.5		\$1.45
PL-60-SSP	12050121		25	750	28.5		\$1.34
PL-70-SSP	12050219		25	600	29.0		\$1.46
PL-80-SSP	12050608		25	500	27.0		\$1.91
PL-100-SSP	12050708	PL-100-SSP POWER-LOC W 1/2" 3/4"SPI	25	350	28.0		\$2.12
Power-Loc with 3/4" Socket, 1" Spigot							
PL-50-SSP1	12050018	PL-50-SSP1 3/4 SOC X PL	25	600	28.0		\$1.60
PL-55-SSP1	72050321		25	500	28.5		\$1.80
PL-60-SSP1	12050124	PL-60-SSP1 3/4 SOC X PL	25	550	28.5		\$1.60
PL-70-SSP1	12050220	PL-70-SSP1 3/4 SOC X PL	25	500	29.0		\$1.72
PL-80-SSP1	12050602	PL-80-SSP1 POWERL LOC X 3/4 SOCKET	25	450	29.5		\$2.05
PL-100-SSP1	12050613	PL-100-SSP1 POWERLOC X 3/4 SOCKET	25	300	30.0		\$2.26
Power-Loc with 1" Socket, 1-1/4" Spigot							
PL-100-SSP2	12050710		25	250	30.0	MTO	\$2.48
Power-Loc x Layflat Connector							
PL-50-KMA	12051037	PL-50-KMA PL-50 X LAYFLAT ADAPT	50	550	34.4		\$2.27
PL-55-KMA	12051038	PL-55-KMA PL-55 X LAYFLAT ADAPTER	50	450	35.9		\$2.53
PL-60-KMA	12051065	PL-60-KMA PL-60 X LAYFLAT ADAPTER	50	450	36.8		\$2.42
PL-70-KMA	12051125	PL-70-KMA PL-70 X LAYFLAT ADAPTER	50	350	30.1		\$2.65
Power-Loc End Flush Valve							
PL-50-PEF	12050012		25	500	28.6	MTO	\$4.33
PL-50-PEFB	12050015	Black handle	25	500	28.6	MTO	\$3.71
PL-55-PEF	72050312		25	500	28.6	MTO	\$4.33
PL-60-PEF	12050113		25	500	28.6		\$3.71
PL-60-PEFB	12050115	PL-60-PEFB PLOC END FLUSHVALV BLACK	25	500	28.6		\$3.71
PL-70-PEF	12050213		25	400	29.6		\$4.10
PL-70-PEFB	12050215	Black handle	25	400	29.6	MTO	\$4.10



PL-50-SSP



PL-50-SSP1



PL-100-SSP2



PL-50-KMA



PL-50-PEF

Power-Loc Fittings

Model #	Part #	Description	Ba Qty.	Box Qty.	Box Wt.	Stock Code	List Price
Power-Loc Coupling with Ball Valve							
PL-50-BV-PC	12050127		25	300	28.6	MTO	\$4.77
PL-55-BV-PC	72050314	PL-55-BV-PC POWER-LOC COUPLING VALV	25	350	21.0		\$5.08
PL-60-BV-PC	12050126	PL-60-BV-PC POWER-LOC COUPLING VALV	25	500	28.6		\$4.77
PL-70-BV-PC	12050223	PL-70-BV-PC POWER-LOC COUPLING VALV	25	300	29.6		\$6.23
Power-Loc with Ball Valve x Barb							
250B-BV-PL-50	12050040	250B-BV-PL-50 PL50 W/BV X 250 BARB	25	500	28.6	MTO	\$7.11
250B-BV-PL-60	12050140	250B-BV-PL-60 PL60 W/BV X 250 BARB	25	500	28.6	MTO	\$7.33
250B-BV-PL-70	12050240	250B-BV-PL-70 PL70 W/BV X 250 BARB	25	500	29.6	MTO	\$8.21

Note: Available with 400 and 700 barbs.



PL-55-BV-PC



250B-BV-PL-50

FITTINGS



Power-Loc Fittings

FITTINGS

Model #	Part #	Description	Bag Qty.	Box Qty.	Bo Wt.	Stock Code	List Price
Power-Loc Tee x Automatic Flush Valve - Low Pressure							
PL-50-P3TM-FCH-L	12050051		25	300	17.3	MTO	\$5.21
PL-55-P3TM-FCH-L	72050331		25	300	17.3	MTO	\$4.23
PL-60-P3TM-FCH-L	12050151		25	300	17.3	MTO	\$3.89
PL-70-P3TM-FCH-L	12050251		25	300	18.0	MTO	\$4.10
PL-80-P3TM-FCH-L	12050651		50	300		MTO	\$5.20
PL-100-P3TM-FCH-L	12050751	PL-100-P3TM-FCH-L PL TEEXFLUSH VLV	10	80		MTO	\$7.79

Note: Low (L) 0.6 GPM required to close; reopens when pressure falls below 1PSI (white plunger).



PL-50-P3TM-FCH-L

Power-Loc Tee x Automatic Flush Valve - High Pressure							
PL-50-P3TM-FCH-H	12050061	PL-50-P3TM-FCH-H	25	300	17.3	MTO	\$3.89
PL-55-P3TM-FCH-H	72050332		25	300	17.3	MTO	\$3.89
PL-60-P3TM-FCH-H	12050161		50	300	17.3	MTO	\$3.89
PL-70-P3TM-FCH-H	12050261		25	300	18.0	MTO	\$4.10
PL-80-P3TM-FCH-H	12050661		50	300		MTO	\$5.20
PL-100-P3TM-FCH-H	12050761		10	80		MTO	\$7.79

Note: High (H) 0.8 GPM required to close; reopens when pressure falls below 2 PSI (orange plunger).



PL-50-P3TM-FCH-H

Power-Loc x MHT Adapter & Flush Valve - Low Pressure							
PL-50-MTFCH-L	12050050			500	26.8	MTO	\$3.12
PL-55-MTFCH-L	72050328			500	26.8	MTO	\$3.24
PL-60-MTFCH-L	12050150			500	26.8	MTO	\$3.14
PL-70-MTFCH-L	12050250			400	28.1	MTO	\$3.30
PL-80-MTFCH-L	12050628			400	16.0	MTO	\$3.48
PL-100-MTFCH-L	12050650			250		MTO	\$3.86

Note: Low (L) 0.6 GPM required to close; reopens when pressure falls below 1PSI (white plunger).



PL-50-MTFCH-L

Power-Loc x MHT Adapter & Flush Valve - High Pressure							
PL-50-MTFCH-H	12050060		50	500	26.8	MTO	\$3.12
PL-55-MTFCH-H	72050330		25	500		MTO	\$3.23
PL-60-MTFCH-H	12050160		50	500	26.8	MTO	\$3.14
PL-70-MTFCH-H	12050260		50	500	28.1	MTO	\$3.30
PL-80-MTFCH-H	12050630		50	400	16.0	MTO	\$3.48
PL-100-MTFCH-H	12050660		50	200		MTO	\$4.52

Note: High (H) 0.8 GPM required to close; reopens when pressure falls below 2 PSI (orange plunger).



PL-50-MTFCH-H

Flush Valve Operating Information

FCH-L (Low): 0.6 GPM required to close; reopens when pressure falls below 1PSI

FCH-H (High): 0.8 GPM required to close; reopens when pressure falls below 2 PSI

Power-Loc Riser Assembly Ordering Guide

Swivel Adapter		Swivel Tee		Dual Line Tees	
PL-50-PHS-WW	12050007	PL-50-PST-WW	12050002	*MST-WW	12010564
PL-55-PHS-WW	72050307	PL-55-PST-WW	72050302	*MST-WS	12010563
PL-60-PHS-WW	12050107	PL-60-PST-WW	12050102	*MSTV-WW	12010562
PL-70-PHS-WW	12050207	PL-70-PST-WW	12050202		
PL-80-PHS-WW	12050605	PL-80-PST-WW	12050600		
PL-100-PHS-WW	12050614	PL-100-PST-WW	12050610		
PL-50-PHS-WS	12050008	PL-50-PST-WS	12050003		
PL-55-PHS-WS	72050316	PL-55-PST-WS	72050315	* Will need 2 Swivels to complete connection to tubing	
PL-60-PHS-WS	12050108	PL-60-PST-WS	12050103		
PL-70-PHS-WS	12050208	PL-70-PST-WS	12050203		
PL-80-PHS-WS	12050606	PL-80-PST-WS	12050601		
PL-100-PHS-WS	12050615	PL-100-PST-WS	12050612		

1/2" RISER		3/4" RISER		1" RISER	
Valve					
3/4-GB	12062047	3/4-GB	12062047	3/4-GB	12062047
3/4WYE-BLACK	12060024	3/4WYE-BLACK	12060024	3/4WYE-BLACK	12060024
3/4-B	12060012	3/4-B	12060012	3/4-B	12060012
3/4-BU-AG	12060026	3/4-BU-AG	12060026	3/4-BU-AG	12060026
		3/4-BU **	12060015		
		** Adapter not needed			

Adapters					
1/2-MHA	12040003	3/4-MHA	12040028	1-MHA	12290011
3/4-MHS	12040029				

1/2-IPS		3/4-IPS		1-IPS	
1/2-IPS-CL24	11210017	3/4-IPS-CL24	11210071	1-IPS-CL24	11210046
1/2-IPS-CL30	11210020	3/4-IPS-CL30	11210074	1-IPS-CL30	11210047
1/2-IPS-CL36	11210021	3/4-IPS-CL36	11210077	1-IPS-CL36	11210048
1/2-IPS-CL42	11210023	3/4-IPS-CL42	11210079	1-IPS-CL48	11210050
1/2-IPS-CL48	11210025	3/4-IPS-CL48	11210081		
1/2-IPS-CL60	11210028	3/4-IPS-CL60	11210085		
1/2-IPS-CL72	11210029	3/4-IPS-CL72	11210087		

Saddles					
AS-1/2-1-1/2	12080035				
AS-1/2-2	12080036	AS-3/4-2	12080049		
AS-1/2-2-1/2	12080037	AS-3/4-2 1/2	12080050		
AS-1/2-3	12080038	AS-3/4-3	12080051		
AS-1/2-4	12080039	AS-3/4-4	12080052	AS-1-4	12080043
AS-1/2-5	12080040	AS-3/4-5	12080053	AS-1-5	12080044
AS-1/2-6	12080041	AS-3/4-6	12080054	AS-1-6	12080045
		AS-3/4-8	12080055	AS-1-8	12080046
		AS-3/4-10	12080047		

PIA & Grommets (Non-Glue substitute for Saddles)					
400-PIA	12040044	700-PIA-1	12040092	1000-PIA	12040006
700-PIA	12040061	*700-GRO	12290032	*1000-GRO	12020002
*400-GRO	12290031				
*700-GRO	12290032	*order grommets separately			

Example: PL-55-PST-WW 3/4-B 3/4-MHA 3/4-IPS-CL24 AS-3/4-2

Description: 55 Series Power-Loc Tee with a 3/4" Ball Valve, 3/4" Male Hose Adapter, 24" Tubing Lead and a 3/4" X 2" Saddle



Manual Control Valves

FITTINGS

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code	List Price
Ball Valve with System Shut-Off and Screen Clean							
SAS-1JU	12060043	3/4" MPT x 3/4" FHT	25	200	35.0		\$13.50
SAS-3	12060044	3/4" FHS x 3/4" FHS	25	175	27.0		\$14.79
Ball Valves							
3/4-GB	12062047	Ball Valve - Black Body/Black Handle, 3/4" FHT x 3/4" MHT	25	500			\$2.33
3/4WYE-BLACK	12060024	Ball Valve - Black Body/Black Handle, 3/4" FHT x 3/4" MHT x 3/4" MHT	25	250	27.6		\$3.95
3/4-B	12060012	Ball Valve - 3/4" FHS x 3/4" MHT	25	200	27		\$6.95
3/4-BU	12060015	Ball Valve - 3/4" Soc x 1" Spigot	25	275	35		\$6.95
3/4-BU-AG	12060026	Ball Valve - 3/4" FHS inlet x 3/4" MHT outlet	25	100	22		\$11.65
Quick Action Valves (Quarter Turn Valves)							
440VLBB	72500289	1/2" Insert barb x 1/2" insert barb (uses 0.570-0.620 ID tubing)	25	200	44.6		\$3.40
446VLBB	72501099	1/2" Insert barb x 1/2" insert barb (uses 0.520 ID tubing)	25	200	44.6	MTO	\$3.93
770VLBB	72501100	3/4" Insert barb x 3/4" insert barb (uses 0.820 ID tubing)	10	250	56.4		\$6.72
880VLBB	72501101	1" Insert barb x 1" insert barb (uses 1.06 ID tubing)	5	100	24.8		\$8.90

Note: Clamps recommended on all Barbed Fittings.

Ball Valve with System Shut-Off and Screen Clean



SAS-1JU



SAS-3

Ball Valves



3/4-GB



3/4WYE-BLACK



3/4-B



3/4-BU



3/4-BU-AG

Quick Action Valves



440VLBB

Tape-Loc Fittings

Tape-Loc Size Selection Chart

Tape-Loc Fittings are designed for use with drip tape.	Flat Tape Widths (Shown Actual Size)
"06" Series used for 5/8" I.D. tapes	
"09" Series used for 7/8" I.D. tapes	
"10" Series used for 1" I.D. tapes	
"11" Series used for 1 1/8" I.D. tapes	
"14" Series used for 1 3/8" I.D. tapes	

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code	List Price
Tape-Loc Couplings							
CPT-06-LS	12030022		50	750	20.1		\$0.79
CPT-06-LSO	12030062	Orange Ring	50	750	26.0		\$0.81
CPT-09-LS	12030024		50	300	30.0		\$1.34
CPT-09-LSO	12030032	Orange Ring	50	300	26.0		\$1.35
CPT-10-LS	12030171		25	225	35.0		\$2.65
CPT-11-LS	12030135		25	175	31.3		\$3.49
CPT-14-LS	12030025		25	100	31.3		\$6.05
Tape-Loc Tee							
TEE-06-LS	12030092		50	350	22.6		\$2.95
Tape-Loc x 1/2" Socket 3/4" Spigot Tee							
TEE-06-LSL1/2	12030097		50	350	23.0		\$5.04
Tape-Loc x 600 Compression Tee							
TEE-06-LSL600	12030100		50	350	23.0	MTO	\$2.90
Tape-Loc x 3/4" FH Swivel Tee							
LST-06-LS-WS	12030072	with screen	50	300	23.0		\$4.06
LST-06-LS-WW	12030073	with washer	50	300	23.0		\$3.69

Tape-Loc Couplings



CPT-06-LS

CPT-06-LSO

Tape-Loc Tee



TEE-06-LS

Tape-Loc x 1/2" Socket 3/4" Spigot Tee



TEE-06-LSL1/2

Tape-Loc x 600 Compression Tee



TEE-06-LSL600

Tape-Loc x 3/4" FH Swivel Tee



LST-06-LS-WS

Tape-Loc Fittings

FITTINGS

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code	List Price
Tape-Loc Ell							
ELL-06-LS	12030049		50	550	24.4		\$2.64
ELL-09-LS	12030146		50	300	24.4	MTO	\$6.23
Tape-Loc x Socket / Spigot							
SSP-06-LS	12030085	1/2" Socket / 3/4" Spigot	50	800	22.0		\$1.28
SSP-09-LS	12030087	1/2" Socket / 3/4" Spigot	50	400	30.6		\$1.62
SSP-10-LS	12030111	1/2" Socket / 3/4" Spigot	25	325	30.8	MTO	\$1.92
SSP-09-LS1	12030088	3/4" Socket / 1" Spigot	50	400	21.4		\$1.67
SSP-10-LS1	12030188	3/4" Socket / 1" Spigot	25	300	31.2		\$2.01
SSP-11-LS1	12030136	3/4" Socket / 1" Spigot	25	250	21.4	MTO	\$5.81
SSP-09-LS2	12030089	1" Socket / 1 1/4" Spigot	50	300	22.0	MTO	\$2.02
SSP-10-LS2	12030194	1" Socket / 1-1/4" Spigot	25	250	31.8	MTO	\$2.34
SSP-11-LS2	12030214	1" Socket / 1-1/4" Spigot	25	250	34.9	MTO	\$2.91
SSP-14-LS2	12030090	1" Socket / 1 1/4" Spigot	25	100	19.0		\$3.66
Tape-Loc x Compression							
CSP-06-LS350	12030029	5/8" Tape x 350 Compression	50	750	23.0		\$1.77
CSP-06-LS400	12030030	5/8" Tape x 400 Compression	50	750	23.0		\$1.77
CSP-06-LS600	12030033	5/8" Tape x 600 Compression	50	750	23.0		\$1.77
CSP-06-LS700	12030035	5/8" Tape x 700 Compression	50	750	23.0	MTO	\$1.77
CSP-06-LS710	12030036	5/8" Tape x 710 Compression	50	750	23.0		\$1.77
CSP-09-LS600	12030041	7/8" Tape x 600 Compression	50	400	31.2		\$2.56
CSP-09-LS710	12030043	7/8" Tape x 710 Compression	50	400	32.0	MTO	\$2.56
CSP-09-LS1-900	12030047	7/8" Tape x 900 Compression	25	300	20.0	MTO	\$2.56
CSP-11-LS1-900	12030147	1 1/8" Tape x 900 Compression	25	250	50.0	MTO	\$3.26
Tape-Loc x Hose Thread Cap							
END-06-LSC	12030053		50	700	24.6		\$1.58
END-09-LSC	12030054		50	400	27.7		\$2.11
END-10-LSC	12030189		25	300		MTO	\$2.42
END-11-LSC	12030138		25	250	27.7	MTO	\$5.51
Tape-Loc x 3/4" Swivel Adapters							
FHS-06-LS-WW	12030071	with washer	50	500	24.0		\$2.30
FHS-09-LS-WW	12030151	with washer	25	500	24.0	MTO	\$4.62
FHS-10-LS-WW	12030192	with washer	25	300	29.1	MTO	\$2.74
FHS-11-LS-WW	12030212	with washer	25	250		MTO	
FHS-06-LS-WS	12030070	5/8" x 3/4" FHT with screen	50	500	24.0		\$2.70
Tape-Loc Pipe Thread Swivel with Washer							
FPS-06-LS-WW	12030134	with screen	50	500	24.0	MTO	\$3.91



ELL-06-LS



SSP-06-LS



CSP-06-LS350



END-06-LSC



FHS-06-LS-WW



FPS-06-LS-WW

Tape-Loc Fittings

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	List Price
Tape-Loc x Lay Flat Plug						
FHC-06-PLUG	12030064	Use for both FHC-06-LS & 09	50	500	27.0	\$1.53
Tape-Loc x Two Step Lay Flat Connector						
FHC-1-06-LS	12030066		50	500	32.0	\$2.51

Note: Use LFP-1 Punch (Orange). Use AP-H-2 Handle to install.

Tape-Loc x Lay Flat Connector						
FHC-09-LS	12030065		50	350	26.1	\$2.63
FHC-09-LSO	12030031	with Orange Ring	50	350	32.0	\$3.28

Note: Use LFP-LS-1 Punch (Blue). Use AP-H-2 to install 06 fittings. Use AP-H-1 to install 09 fittings.

Tape-Loc x Lay Flat Connector (small foot)						
FHC-06-LS	12030063		50	550	25.0	\$1.64
FHC-06-LSO	12030067	with Orange Ring	50	550	24.0	\$2.00

Note: Use LFP-1 Punch (Orange). Use AP-H-2 to install 06 fittings. Use AP-H-1 to install 09 fittings.

Tape-Loc x Lay Flat Plug



FHC-06-PLUG

Tape-Loc x Two Step Lay Flat Connector



FHC-1-06-LS

Tape-Loc x Lay Flat Connector



FHC-09-LS



FHC-09-LSO

Tape-Loc x Lay Flat Connector (small foot)



FHC-06-LS



FHC-06-LSO

Tape-Loc Fittings

FITTINGS

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt. (lbs)	Stock Code	List Price
Tape-Loc x 3/4" MHT Adapter							
MHT-06-LS	12030081		50	900	23.3		\$1.69
MHT-09-LS	12030082		50	450	28.9		\$2.67
MHT-10-LS	12030191		25	350		MTO	\$1.92
MHT-11-LS	12030210		25	300	29.9	MTO	\$2.77
Tape-Loc x MPT Adapter							
MA-06-LS	12030076	1/2" MPT (BSP Compatible)	50	1000	27.8		\$1.10
MA-06-LS1	12030017	3/4" MPT (BSP Compatible)	50	500	19.4		\$1.23
MA-09-LS1	12030077	3/4" MPT (BSP Compatible)	50	400	25.0		\$1.62
MA-10-LS1	12030195	3/4" MPT (BSP Compatible)	25	350		MTO	\$1.90
MA-11-LS1	12030216	3/4" MPT (BSP Compatible)	25	300		MTO	\$2.80
MA-09-LS2	12030078	1" MPT	50	350		MTO	\$2.53
MA-10-LS2	12030197	1" MPT	25	300		MTO	
MA-11-LS2	12030217	1" MPT	25	250		MTO	
Tape-Loc Adjustable Slip Fitting							
BASF-09-LS	12030040		25	400	25.0		\$3.23
BASF-10-LS	12030186		25	300		MTO	\$3.37
BASF-11-LS	12030137		25	200	25.0	MTO	\$4.66
Note: For use with PL-50-KMA (12051037) and 620x520 c/l 40 (11200078)							
Tape-Loc x 3/4" MHT Wye Adapter							
WYE-06-MHT	12030109		50	400	25.4		\$3.45
Tape-Loc x Threaded Auto Flush Valve (low flow)							
FCH-06-LS-L	12030058		50	500	25.0		\$2.75
FCH-09-LS-L	12030060		50	350	25.0		\$3.31
Note: Low (L) - 0.6 GPM required to close; reopens when pressure falls below 1 PSI (white plunger).							
Tape-Loc End Flush Valve							
END-BV-06-LS	12030612		25	500	27.0		\$5.95
END-BV-09-LS	12030912		25	400	28.0		\$6.26
END-BV-11-LS	12031112		25	175	58.0	MTO	\$15.73



MHT-06-LS



MA-06-LS



BASF-09-LS



WYE-06-MHT



FCH-06-LS-L



END-BV-06-LS

Tape-Loc Fittings

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt. (lbs)	Stock Code	List Price
Tape-Loc x Ball Valve x Socket / Spigot							
SSP-BV-06-LS	12030117	1/2" Socket x 3/4" Spigot	25	500	28.0	MTO	\$7.32
SSP-BV-09-LS	12030118	1/2" Socket x 3/4" Spigot	25	300	29.0	MTO	\$7.67
SSP1-BV-09-LS	12030119	3/4" Socket x 1" Spigot	25	300	30.0	MTO	\$9.53
Tape-Loc Coupling Shut-off Valve							
CPT-BV-06-LS	12030131		25	500	27.0		\$8.62
CPT-BV-09-LS	12030048		25	300	28.0		\$12.37
Tape-Loc x Shut-off Valve							
250B-BV-06-LS	12030160	250 barb	50	300	28.0		\$11.40
400B-BV-06-LS	12030165	400 barb	50	300	28.0		\$11.85
PT50-BV-06-LS	12030175	1/2" MPT	50	300	29.0	MTO	\$10.74
PT75-BV-06-LS	12030177	3/4" MPT	50	300	29.0	MTO	\$10.47
Tape-Loc x 420 Series Barb with Locking Nut & Large Handle Valve							
420BV-06-LS	12030011	Install in PE Tubing	50	350	22.0		\$3.06
Tape-Loc x 0.520 I.D. Insert Coupler							
520I-06-LS	12030112	Use 620x520 PE Tubing	50	1000	35.8		\$0.64
Tape-Loc x Barb							
250B-06-LS	12030004		50	1200	31.8		\$0.75
400B-06-LS	12030008		50	1000	33.6		\$0.75
400B-06-LSO	12030002	with Orange Ring	50	1000	33.8		\$0.77
700B-06-LS	12030014		50	1000	34.9		\$0.84
700B-09-LS	12030015		50	500	34.8		\$1.52
700B-10-LS	12030173		25	375		MTO	\$2.82
1000B-11-LS	12030206		25	250	27.8	MTO	

Note: Use with GRO Pipe Grommets if installing in PVC Pipe.

Tape-Loc Starter Assembly — 400 Barb x 5/8"							
T5B4000-12	11230040	Orange Nut with 12" Tube Assembly	25			MTO	\$2.01
T5B4000-18	11231203	Orange Nut with 18" Tube Assembly	25			MTO	\$1.91
T5B4000-24	12031206	Orange Nut with 24" Tube Assembly	25			MTO	\$2.19
T5B400-12	11230032	with 12" Tube Assembly	25			MTO	\$2.34
T5B400-18	11230028	with 18" Tube Assembly	25			MTO	\$1.91
T5B400-24	12031205	with 24" Tube Assembly	25			MTO	\$1.94

Note: A 400 barb X 5/8" tape valve may be substituted for the 400 barb X 5/8" tape fitting.

Tape-Loc Starter Assembly — 700 Barb x 7/8"							
T7B7000-18	12031100	Orange Nut with 18" Tube Assembly	25			MTO	\$5.13
T7B7000-24	12031101	Orange Nut with 24" Tube Assembly	25			MTO	\$5.26
T7B7000-36	12031224	Orange Nut with 36" Tube Assembly	25			MTO	\$5.25
T7B700-18	12031191	with 18" Tube Assembly	25			MTO	\$5.00
T7B700-24	12031194	with 24" Tube Assembly	25			MTO	\$5.13
T7B700-36	12031192	with 36" Tube Assembly	25			MTO	\$5.33



SSP-BV-06-LS



CPT-BV-06-LS



PT75-BV-06-LS



420BV-06-LS



520I-06-LS



250B-06-LS



700B-06-LS



T5B4000-12

Tape-Loc Riser Assembly Ordering Guide

FITTINGS

1/2" RISER		3/4" RISER		1" RISER	
Slip \ Spigot		Slip \ Spigot		Slip \ Spigot	
1/2-MHA	12040003			1-MHA	12290011
3/4-MHS	12040029	3/4-MHA	12040028		
SSP-10-LS	12030111	SSP-10-LS1	12030188	SSP-10-LS2	12030194
		SSP-11-LS1	12030136	SSP-11-LS2	12030214
				SSP-14-LS2	12030090

1/2-IPS		3/4-IPS		1-IPS	
1/2-IPS-CL24	11210017	3/4-IPS-CL24	11210071	1-IPS-CL24	11210046
1/2-IPS-CL30	11210020	3/4-IPS-CL30	11210074	1-IPS-CL30	11210047
1/2-IPS-CL36	11210021	3/4-IPS-CL36	11210077	1-IPS-CL36	11210048
1/2-IPS-CL42	11210023	3/4-IPS-CL42	11210079	1-IPS-CL48	11210050
1/2-IPS-CL48	11210025	3/4-IPS-CL48	11210081		
1/2-IPS-CL60	11210028	3/4-IPS-CL60	11210085		
1/2-IPS-CL72	11210029	3/4-IPS-CL72	11210087		

Saddles

AS-1/2-1-1/2	12080035				
AS-1/2-2	12080036	AS-3/4-2	12080049		
AS-1/2-2-1/2	12080037	AS-3/4-2 1/2	12080050		
AS-1/2-3	12080038	AS-3/4-3	12080051		
AS-1/2-4	12080039	AS-3/4-4	12080052	AS-1-4	12080043
AS-1/2-5	12080040	AS-3/4-5	12080053	AS-1-5	12080044
AS-1/2-6	12080041	AS-3/4-6	12080054	AS-1-6	12080045
		AS-3/4-8	12080055	AS-1-8	12080046
		AS-3/4-10	12080047		

PIA & Grommets (Non-Glue substitute for Saddles)

400-PIA	12040044	700-PIA-1	12040092	1000-PIA	12040006
700-PIA	12040061	*700-GRO	12290032	*1000-GRO	12020002
*400-GRO	12290031	*order grommets separately			
*700-GRO	12290032				

Example: 3/4-MHA 3/4-IPS-CL24 AS-3/4-4

Description: 3/4" Tape-Loc Adapter, 24" IPS Tubing Lead and 3/4" x 4" Saddle



Compression Fittings

Size Selection Chart - Nominal Tubing Size

Fitting Series Guide	Adapter Color	O.D. (in)	I.D. (in)	O.D. (mm)	I.D. (mm)
250	Orange	0.250	0.245 to 0.255	6.4	4.3
350	Black	0.350	0.345 to 0.355	8.9	6.4
400	Red	0.455	0.450 - 0.460	11.6	9.5
435	Brown	0.490	0.485 to 0.495	12.4	10.2
600	Green	0.620	0.615 to 0.625	15.7	13.2
700	Black	0.685 -0.700	0.590	17.4 -17.8	15.0
710	Blue	0.700 -0.715	0.600	17.8 -18.2	15.2
790	Green	0.790	0.787 to 0.795	20.1	17.3
800	Black	0.830	0.827 to 0.835	21.1	18.3
900	Gray	0.927	0.925 to 0.932	23.5	20.8
1000	Black	1.174	1.172 to 1.180	29.8	26.7

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code	List Price
3-Way Compression Tees							
600-C3T	12010210		25	350	14.0		\$1.42
700-C3T	12010296		25	350	14.0		\$1.42
710-C3T	12010348		25	350	14.0		\$1.42
800-C3T	12010426		25	225	10.0		\$2.91
900-C3T	12010499		25	225	10.0		\$2.91
Compression x 3/4" MHT Tee x Compression							
600-C3TM	12010211		25	400	15.7	MTO	\$2.96
700-C3TM	12010297		25	400	15.7	MTO	\$3.32
710-C3TM	12010349		25	400	15.7		\$3.13
800-C3TM	12010428		25	250	31.0	MTO	\$6.90
900-C3TM	12010501		25	250	31.0	MTO	\$6.90
Compression x 3/4" Swivel Tee with Washer							
600-CST-WW	12010244		25	300	20.0		\$2.07
700-CST-WW	12010332		25	300	20.0		\$2.07
710-CST-WW	12010384		25	300	20.0		\$2.07
800-CST-WW	12010458		25	250	16.7		\$4.11
900-CST-WW	12010533		25	250	16.7		\$4.11
Compression x 3/4" Swivel Tee with Screen							
600-CST-WS	12010243		25	300	20.0		\$2.19
700-CST-WS	12010331		25	300	20.0		\$2.19
710-CST-WS	12010383		25	300	20.0		\$2.19
800-CST-WS	12010456		25	250	16.7		\$4.23
900-CST-WS	12010531		25	250	16.7		\$4.23



600-C3T



900-C3T



600-C3TM



710-CST-WW



710-CST-WS

Compression Fittings

FITTINGS

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code	List Price
Compression Elbow							
600-CELL	12010220		25	500	19.6		\$1.42
700-CELL	12010307		25	500	20.0		\$1.42
710-CELL	12010359		25	500	20.0		\$1.42
800-CELL	12010438		25	450	22.0	MTO	\$2.01
900-CELL	12010511		25	450	29.6		\$2.01
Compression x 3/4" Swivel Elbow with Washer							
600-CELL-SN-WW	12010225		25	500	20.0	MTO	\$2.95
700-CELL-SN-WW	12010312		25	500	20.0	MTO	\$2.97
710-CELL-SN-WW	12010364		25	500	20.0		\$2.97
Compression x 3/4" Swivel Elbow with Screen							
600-CELL-SN-WS	12010224		25	500	20.0	MTO	\$3.09
700-CELL-SN-WS	12010311		25	500	20.0	MTO	\$3.30
710-CELL-SN-WS	12010363		25	500	20.0	MTO	\$3.28



600-CELL



600-CELL-SN-WW



600-CELL-SN-WS



Compression Fittings

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code	List Price
Compression Couplings							
400-CC	12010108		25	500	15.2	MTO	\$0.93
600-CC	12010214		25	750	17.0		\$0.93
700-CC	12010301		25	750	17.0		\$0.93
710-CC	12010353		25	750	18.0		\$0.93
790-CCG	12010408		25	500	18.0	MTO	\$3.55
800-CC	12010431		25	500	18.4		\$1.28
900-CC	12010504		25	500	18.4		\$1.28
Compression with Threaded Automatic Flush Valve — Low Low (L) 0.6 GPM required to close; reopens when pressure falls below 1 PSI (white plunger).							
600-CEFCH-L	12010219		50	500	22.0	MTO	\$3.62
700-CEFCH-L	12010306		50	500	22.0	MTO	\$3.62
710-CEFCH-L	12010358		50	500	25.0	MTO	\$3.62
800-CEFCH-L	12010437		25	300	17.5	MTO	\$4.96
900-CEFCH-L	12010510		25	300	17.5	MTO	\$4.96
Compression with Threaded Automatic Flush Valve — High High (H) 0.8 GPM required to close; reopens when pressure falls below 2 PSI (orange plunger).							
600-CEFCH-H	12010218		50	500	22.0	MTO	\$3.62
700-CEFCH-H	12010305		50	500	22.0	MTO	\$3.62
710-CEFCH-H	12010357		50	500	25.0		\$3.62
800-CEFCH-H	12010436		25	300	17.5	MTO	\$4.96
900-CEFCH-H	12010509		25	300	17.5	MTO	\$4.96
Compression x MPT Adapter — 1/2" Thread							
600-CMA	12010234		25	750	30.0	MTO	\$1.28
700-CMA	12010321		25	750	30.0	MTO	\$1.28
710-CMA	12010373		25	750	30.0	MTO	\$1.28
Compression x MPT Adapter — 3/4" Thread							
800-CMA	12010450		25	500	30.0	MTO	\$1.86
900-CMA	12010523		25	500	30.0		\$1.83

Compression Couplings



400-CC



600-CC

Compression with Threaded Automatic Flush Valve — Low



600-CEFCH-L

Compression with Threaded Automatic Flush Valve — High



600-CEFCH-L

Compression x MPT Adapter — 1/2" Thread



600-CMA

Compression x MPT Adapter — 3/4" Thread



900-CMA

Compression Fittings

FITTINGS

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code	List Price
Compression x 3/4" MPT Adapter							
600-CRMA	12010236		25	1000	24.8	MTO	\$1.08
700-CRMA	12010323		25	1000	24.8	MTO	\$1.08
710-CRMA	12010375		25	750	23.7		\$1.08
Compression Reducer Couplings							
900X700-RCC*	12010541		25	500	25.0	MTO	\$2.63
900X710-RCC*	12010544		25	500	25.0	MTO	\$2.63

* Glued with PVC fitting.



710-CRMA



900 X 700-RCC

Compression x Swivel Adapter							
600-CHS-WW	12010233	with washer	25	600	21.4		\$1.48
700-CHS-WW	12010320	with washer	25	600	21.4		\$1.48
710-CHS-WW	12010372	with washer	25	600	21.4		\$1.48
800-CHS-WW	12010449	with washer	25	300	30.0	MTO	\$2.89
900-CHS-WW	12010522	with washer	25	500	30.0		\$2.89
600-CHS-WS	12010232	with screen	25	600	21.4		\$1.83
700-CHS-WS	12010319	with screen	25	600	21.4		\$1.83
710-CHS-WS	12010371	with screen	25	600	21.4		\$1.83
800-CHS-WS	12010448	with screen	25	300	30.0	MTO	\$3.22
900-CHS-WS	12010521	with screen	25	500	30.0		\$3.22



600-CHS-WW

Compression x 3/4" MHT Adapter							
400-CE	12010109		25	750	17.0	MTO	\$1.44
600-CE	12010215		25	750	17.0		\$0.91
700-CE	12010303		25	750	20.0		\$0.91
710-CE	12010354		25	750	25.0		\$0.91
790-CE	12010409		25	350	27.5	MTO	\$2.85
800-CE	12010433		25	300	27.1	MTO	\$2.69
900-CE	12010506		25	600	27.5		\$1.60



400-CE



700-CHS-WW

Compression with Threaded Cap							
600-CETC	12010226		25	600	21.0		\$1.42
700-CETC	12010313		25	600	21.0		\$1.42
710-CETC	12010365		25	600	21.0		\$1.42
800-CETC	12010443		25	400	22.8	MTO	\$2.78
900-CETC	12010516		25	500	22.8		\$2.23



600-CETC



900-CETC

Compression Fittings

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	List Price
Compression / Socket Adapters						
250-CA	12010065	250-CA COMP ADAPTER ORANGE *	100	3500	22.0	\$0.36
350-CA	12010083	350-CA COMPRESSION ADAPTER BLACK *	100	3500	22.0	\$0.36
400-CA	12010107	400-CA COMPRESSION ADAPTER RED *	100	3500	22.0	\$0.36
435-CA	12010139	435-CA COMP ADAPTER BROWN *	100	3500	22.0	\$0.36
600-CA	12010213	600-CA COMP ADAPTER GREEN *	100	3500	22.0	\$0.36
700-CA	12010299	700-CA COMP ADAPTER BLACK *	100	3500	24.0	\$0.36
710-CA	12010351	710-CA COMP ADAPTER X 1/2" SOCKET BLUE *	100	3500	24.0	\$0.36
790-CA	12010407	790-CA COMP ADAPTER GREEN **	50	1800	21.0	\$0.60
800-CA	12010430	800-CA COMP ADAPTER BLACK **	50	1800	21.0	\$0.60
900-CA	12010503	900-CA COMP ADAPTER GRAY **	50	1800	23.0	\$0.60
1000-CA-1A	12010008	1000-CA-1A COMP ADAPTER FOR SOCKET BLACK***	50	1000	35.0	\$1.58

* - Cements into 1/2" socket ** - Cements into 3/4" socket *** - Cements into 1" socket

Note: Gluing Recommendations; all fitting adapters use IPS #794 Green (PVC/ABS) or equivalent.

Socket Adapters						
P700SA	72500994	700 comp. x ID cements over 1/2" PVC pipe; OD into 3/4" PVC socket	25	400	2.8	\$1.04
P710SA	72500997	710 comp. x ID cements over 1/2" PVC pipe; OD into 3/4" PVC socket	25	300	2.8	\$1.07

Note: For rigid PVC pipe only.

Gluing Recommendations: All fitting adapters use IPS #794 Green (PVC/ABS) or equivalent.

Compression / Socket Adapters



250-CA



400-CA



600-CA



700-CA



710-CA



800-CA



900-CA



1000-CA

Socket Adapters



P700SA

Compression Riser Assembly Ordering Guide

FITTINGS

Swivel Adapter		Swivel Tee		Dual Line Tees	
600-CHS-WW	12010233	600-CST-WW	12010244	*MST-WW	12010564
700-CHS-WW	12010320	700-CST-WW	12010332	*MST-WS	12010563
710-CHS-WW	12010372	710-CST-WW	12010384	*MSTV-WW	12010562
800-CHS-WW	12010449	800-CST-WW	12010458	3/4MHAMSTWW	12010570
900-CHS-WW	12010522	900-CST-WW	12010533	* Will need 2 Swivels to complete connection to tubing	
600-CHS-WS	12010232	600-CST-WS	12010243		
700-CHS-WS	12010319	700-CST-WS	12010331		
710-CHS-WS	12010371	710-CST-WS	12010383		
800-CHS-WS	12010448	800-CST-WS	12010456		
900-CHS-WS	12010521	900-CST-WS	12010531		

1/2" RISER		3/4" RISER		1" RISER	
Valve					
3/4-GB	12062047	3/4-GB	12062047	3/4-GB	12062047
3/4WYE-BLACK	12060024	3/4WYE-BLACK	12060024	3/4WYE-BLACK	12060024
3/4-B	12060012	3/4-B	12060012	3/4-B	12060012
3/4-BU-AG	12060026	3/4-BU-AG	12060026	3/4-BU-AG	12060026
		3/4-BU **	12060015		
		** Adapter not needed			

Adapters					
1/2-MHA	12040003	3/4-MHA	12040028	1-MHA	12290011
3/4-MHS	12040029				

1/2-IPS		3/4-IPS		1-IPS	
1/2-IPS-CL24	11210017	3/4-IPS-CL24	11210071	1-IPS-CL24	11210046
1/2-IPS-CL30	11210020	3/4-IPS-CL30	11210074	1-IPS-CL30	11210047
1/2-IPS-CL36	11210021	3/4-IPS-CL36	11210077	1-IPS-CL36	11210048
1/2-IPS-CL42	11210023	3/4-IPS-CL42	11210079	1-IPS-CL48	11210050
1/2-IPS-CL48	11210025	3/4-IPS-CL48	11210081		
1/2-IPS-CL60	11210028	3/4-IPS-CL60	11210085		
1/2-IPS-CL72	11210029	3/4-IPS-CL72	11210087		

Saddles					
AS-1/2-1-1/2	12080035	AS-3/4-2	12080049		
AS-1/2-2	12080036	AS-3/4-2 1/2	12080050		
AS-1/2-2-1/2	12080037	AS-3/4-3	12080051		
AS-1/2-3	12080038	AS-3/4-4	12080052		
AS-1/2-4	12080039	AS-3/4-5	12080053	AS-1-4	12080043
AS-1/2-5	12080040	AS-3/4-6	12080054	AS-1-5	12080044
AS-1/2-6	12080041	AS-3/4-8	12080055	AS-1-6	12080045
		AS-3/4-10	12080047	AS-1-8	12080046

PIA & Grommets (Non-Glue substitute for Saddles)					
400-PIA	12040044	700-PIA-1	12040092	1000-PIA	12040006
700-PIA	12040061	*700-GRO	12290032	*1000-GRO	12020002
*400-GRO	12290031	*order grommets separately			
*700-GRO	12290032				

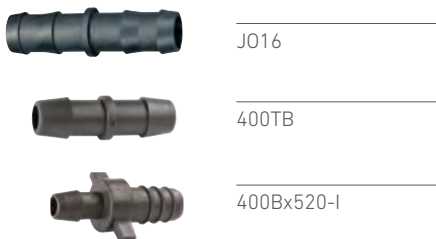
Example: 710-CST-WW 3/4-B 3/4-MHA 3/4-IPS-CL42 AS-3/4-2 1/2
Description: 710 Series Hose Swivel with Washer Tee, 3/4" Ball Valve, 3/4" Male Hose Adapter, 24" IPS Tubing Lead and 3/4" x 2.5" Saddle



Barbed and Threaded Fittings

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code	List Price
Couplings							
J016	12290078	0.520" ID 16mm OD tubing	100	2200	17.0		\$0.43
J116	12290082	0.620" ID Single Barb for 18mm OD tubing	100	1500	14.0		\$0.62
J020	12290085	0.710" ID for 20mm OD tubing	50	1000	14.0		\$0.74
400-TB	12040046	0.375" ID single barb	250	5500	26.0		\$0.49
700-TB	12040063	0.600" ID	250	2250	30.0		\$0.63
400Bx520-I	12030009	0.400" ID x 0.520" ID	25	1000	30.0		\$0.77
Tees							
T012	12290077	0.375" ID for 12mm OD tubing	100	1000	7.0	MTO	\$0.60
T016	12290080	0.520" ID for 16mm OD tubing	100	1000	13.0		\$0.67
T116	12290084	0.620" ID single barb for 18mm OD tubing	50	800	17.0		\$0.86
T020	12290087	0.710" ID for 20mm OD tubing	50	500	12.0	MTO	\$0.98
Elbows							
EL012	12290076	0.375" ID for 12mm OD tubing	100	1000	8.0	MTO	\$0.53
EL016	12290079	0.520" ID for 16mm OD tubing	100	1700	14.0		\$0.60
EL116	12290083	0.620" ID Single Barb for 18mm OD tubing	50	1000	16.0	MTO	\$0.82
EL020	12290086	0.710" ID for 20mm OD tubing	50	750	15.0	MTO	\$0.91

Poly-Barbed and Poly Threaded Fittings: Coupler



Poly-Barbed and Poly Threaded Fittings: Tee



Poly-Barbed and Poly Threaded Fittings: Elbow

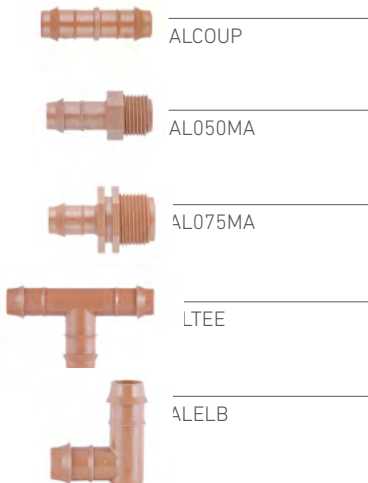


Barb and Insert Fittings

FITTINGS

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	List Price
17mm Insert Fittings						
ALCOUP	72291013	0.540" ID Insert Coupling	25	300	37.5	\$0.33
AL050MA	72291010	0.540" ID Barb with 1/2" MPT	25	300	42.0	\$0.86
AL075MA	72291011	0.540" ID Barb with 3/4" MPT	25	300	42.0	\$0.87
ALTEE	77291024	0.540" ID Insert Tee	25	300	37.5	\$0.89
ALELB	72291022	0.540" ID Insert Elbow	25	300	39.7	\$0.90
ALY3/4	72291025	17mm Y Connector x 3/4" MPT	25	300		\$1.73
ALCROSS	72291027	17mm Barb Cross	25	300		\$1.73
AL075FTEE	72291028	17mm Barb Tee x 3/4" FPT	25	300		\$2.16
ALSTAR	72291026	17mm Barb x Star	25	300		\$1.73
AL1FTEE	72291029	17mm Barb Tee x 1" FPT	25	300		\$2.16
ALMPTEL	72291014	17mm Barb x 3/4" MPT Adapter Elbow	25	300		\$0.87
Micro-Tubing Fittings: Barb Connectors						
C125	72290006	1/8" (fits 0.125 ID tubing)	100	3000	9.0	\$0.16
C250	72501964	1/4" (fits 0.160 ID to 0.170 ID tubing)	100	3000	7.1	\$0.18
170-TB	12290009	1/4" (fits 0.160 ID to 0.170 ID tubing) (Replaces 187BC and 31-B170)	500	5000	26.0	\$0.18
250-TB	12290012	Fits 0.250 x 0.250 ID tubing	500	5000	26.0	\$0.29
47-TB	17097032	4/7 For vinyl	100	2800	23.3	\$0.19
Micro-Tubing Fittings: Thread Connectors						
PRA1032	72500492	10-32 Thread x 10-32 Thread Wing (fits 0.160 I.D. Tubing)	100	3000	7.1	\$0.23
PRAB170	72500493	10-32 Thread x .177 Barb (fits 0.160 I.D. Tubing)	100	3000	7.1	\$0.23
Micro-Tubing Fittings: Barb Tees						
T125	72500541	1/8" (fits 0.125 ID tubing)	50	2500	2.7	\$0.30
T250	72500542	1/4" (fits 0.160 ID to 0.170 ID tubing)	100	1500	3.6	\$0.21
Micro-Tubing Fittings: Barb Elbow						
L250	72015079	1/4" (fits 0.160 ID to 0.170 ID tubing)	100	3000	7.1	\$0.19

17mm Insert Fittings



Micro-Tubing Fittings: Barb Connectors



Micro-Tubing Fittings: Thread Connectors



Micro-Tubing Fittings: Barb Tees



Micro-Tubing Fittings: Barb Elbow



Barb and Insert Fittings

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code	List Price
JAIN Drip Lock Fittings							
Fits 0.600-0.630 ID Tubing, 18mm OD Tubing. Compatible with 710 x 620 Tubing							
TJI16	12290091	0.620" ID Ring Coupler	50	1200	21.0		\$0.79
TEI16	12290092	0.620" ID Ring Elbow	50	750	20.0	MTO	\$1.80
TTI16	12290093	0.620" ID Ring Tee	50	400	16.0	MTO	\$1.62
TSAI16	12290095	0.620" ID Ring x 3/4" FHT Swivel Adaptor	50	500	23.0	MTO	\$2.30
Barb Fittings							
400-CPIA-400	12040035	400 Barb x 400 Compression	50	1500	30.0	MTO	\$1.31
400-CPIA-600	12040039	400 Barb x 600 Compression	50	1500	30.0		\$1.31
400-CPIA-700	12040041	400 Barb x 700 Compression	50	1500	30.0	MTO	\$1.31
700-CPIA-600	12040056	700 Barb x 600 Compression	50	1300	30.0		\$1.41
700-CPIA-710	12040058	700 Barb x 710 Compression	50	1300	30.0	MTO	\$1.41
400-PIA	12040044	400 Barb x 1/2" Socket / 3/4" Spigot	50	1600	35.0		\$0.80
700-PIA	12040061	700 Barb x 1/2" Socket / 3/4" Spigot	50	1500	33.6		\$0.89
700-PIA-1	12040092	700 Barb x 3/4" Socket / 1" Spigot	50	1000	36.4		\$1.59
1000-PIA	12040006	1000 Barb x 1" Socket / 1 1/4" Spigot	25	450	40.5		\$2.16
250-PIA-S	12040019	250 Barb x 1/2" Spigot	50	2400	22.0		\$0.74
400-PIA-S	12040045	400 Barb x 1/2" Spigot	50	2100	24.0		\$0.74
700-PIA-S	12040062	700 Barb x 1/2" Spigot	50	1700	34.0		\$0.80

Note: Grommets for barb fittings are on page M-02.

JAIN Drip Lock Fittings



Barb Fittings



Adapters

FITTINGS

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code	List Price
1/2" MPT x 1/2" Socket / 3/4" Spigot (Black PVC)							
1/2-MA	12040002		50	500	23.0		\$1.28
MHT x Socket Elbows and Couplers (Black PVC)							
1/2-CSS	12010004	1/2" Coupler	50	500	14.8	MTO	\$0.79
3/4-CSS	12010001	3/4" Coupler	50	500	18.1	MTO	\$1.08
1/2-90-MHA	12010005	3/4" MHT X 1/2" Socket Ell	50	500	28.1		\$2.30
3/4-90-MHA	12010002	3/4" MHT X 3/4" Socket Ell	25	400	22.6		\$2.54
Swivel Connector							
660SWCHP	12501078	3/4" FHT x 3/4" FPT Swivel Connector	25	150	5.5		\$6.89
Hose Thread Adapters							
FAM-5075	72500803	1/2" MPT x 3/4" MPT Reducing Adapter	25	200	33.6		\$1.31
FAM-H3P	72500806	3/4" MHT x 3/4" MPT	25	500	17.0		\$1.27
FAM-H5P	72500379	3/4" MPT x 3/4" FHT Swivel	25	200	17.0		\$3.74
Hose Adapters							
1/2-MHA	12040003	1/2" Socket / 3/4" Spigot x 3/4" MHT	50	700	32.0		\$1.04
3/4-MHS	12040029	1/2" Socket / 3/4" Spigot x 3/4" MHT	50	1000	30.8		\$1.02
3/4-MHA	12040028	3/4" Socket / 1" Spigot x 3/4" MHT	50	500	30.6		\$1.21
1-MHA	12290011	1" Socket x 3/4" MHT	25	500	31.0		\$1.59

1/2" MPT x 1/2" Socket / 3/4" Spigot (Black PVC)



1/2-MA

MHT x Socket Elbows & Couplers (Black PVC)



1/2-CSS



3/4-CSS

Hose Thread Adapters



FAM-5075



FAM-H3P



FAM-H5P

Hose Adapters



1/2-MHA



3/4-MHS



3/4-MHA



1-MHA

Adapters

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code	List Price
3/4" Female Hose Swivel Adapters							
3/4-FHS-WW	12040026	1/2" Socket / 3/4" Spigot x 3/4" FHS with Washer	50	500	21.0		\$2.00
3/4-FHS-WS	12040025	1/2" Socket / 3/4" Spigot x 3/4" FHS with Screen	50	500	21.0	MTO	\$2.36
3/4-FHS-1-WW	12040024	3/4" Socket / 1" Spigot x 3/4" FHS with Washer	50	500	23.0	MTO	\$2.18
3/4-FHS-1-WS	12040023	3/4" Socket / 1" Spigot x 3/4" FHS with Screen	50	500	23.0	MTO	\$2.77
3/4" MHT x 3/4" MHT for Converting to SAS Systems							
SAS-A	12040085		50	1000	33.4		\$1.14
3/4" MHT x 3/4" FH Swivel Tee							
MST-WW	12010564	with Washer	25	375	16.8		\$1.74
MST-WS	12010563	with Screen	25	375	16.8		\$2.19
MSTV-WW	12010562	with Pressure Check Valve with Washer	25	300	22.0	MTO	\$6.58

3/4" Female Hose Swivel Adapters



3/4-FHS-WW



3/4-FHS-WS



3/4-FHS-1-WW



3/4-FHS-1-WS

3/4" MHT x 3/4" MHT for Converting to SAS Systems



SAS-A

3/4" MHT x 3/4" FH Swivel Tee



MST-WW



MST-WS

Ball Valves

FITTINGS

Model #	Part #	Description	Bag Qty.	Box Qty.	Stock Code	List Price
Threaded PVC Ball Valves (NPT)						
BV-005T	12220100	1/2" Threaded PVC Ball Valve (NPT)	25	100	MTO	\$2.74
BV-007T	12220110	3/4" Threaded PVC Ball Valve (NPT)	25	100		\$3.70
BV-010T	12220120	1" Threaded PVC Ball Valve (NPT)	25	100	MTO	\$5.62
BV-012T	12220130	1 1/4" Threaded PVC Ball Valve (NPT)	25	100	MTO	\$7.72
BV-015T	12220140	1 1/2" Threaded PVC Ball Valve (NPT)	24	48	MTO	\$9.57
BV-020T	12220150	2" Threaded PVC Ball Valve (NPT)	12	24		\$14.35
BV-025T	12220155	2 1/2" Threaded PVC Ball Valve (NPT)	1	10	MTO	\$46.45
BV-030T	12220160	3" Threaded PVC Ball Valve (NPT)	1	10		\$73.09
BV-040T	12220170	4" Threaded PVC Ball Valve (NPT)	1	6	MTO	\$129.77
Slip PVC Ball Valves						
BV-005S	12220001	1/2"	25	100	MTO	\$2.74
BV-007S	12220010	3/4"	25	100	MTO	\$3.70
BV-010S	12220020	1"	25	100	MTO	\$5.62
BV-012S	12220030	1 1/4"	25	100	MTO	\$7.72
BV-015S	12220040	1 1/2"	24	48	MTO	\$9.57
BV-020S	12220050	2"	12	24		\$14.35
BV-025S	12220055	2 1/2"	1	10	MTO	\$46.45
BV-030S	12220060	3"	1	10		\$73.09
BV-040S	12220070	4"	1	6	MTO	\$130.10
BV-060S	12220080	6" (Gray)	1	6	MTO	\$410.31

Slip PVC Ball Valves



BV-030S



BV-005T

Saddles

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	List Price
One-Piece Saddle for PVC Pipe : 1/2" Socket / 3/4" Spigot						
AS-1/2-1-1/2*	12080035	1 1/2" Pipe - Black	25	300	21.0	\$1.28
AS-1/2-2	12080036	2" Pipe - White	25	300	21.0	\$1.28
AS-1/2-2-1/2	12080037	2 1/2" Pipe - Gray	25	300	22.1	\$1.28
AS-1/2-3	12080038	3" Pipe - Brown	25	300	22.0	\$1.28
AS-1/2-4	12080039	4" Pipe - Green	25	300	22.0	\$1.28
AS-1/2-5	12080040	5" Pipe - Red	25	300	22.0	\$1.28
AS-1/2-6	12080041	6" Pipe - Blue	25	300	22.3	\$1.28
3/4" Socket / 1" Spigot One-Piece Saddle for PVC Pipe:						
AS-3/4-2	12080049	2" Pipe - White	25	250	17.0	\$1.37
AS-3/4-2 1/2	12080050	2 1/2" Pipe - Gray	25	250	17.0	\$1.37
AS-3/4-3	12080051	3" Pipe - Brown	25	250	17.0	\$1.37
AS-3/4-4	12080052	4" Pipe - Green	25	250	17.0	\$1.37
AS-3/4-5	12080053	5" Pipe - Red	25	250	17.0	\$1.37
AS-3/4-6	12080054	6" Pipe - Blue	25	250	17.0	\$1.37
AS-3/4-8	12080055	8" Pipe - Orange	25	250	17.0	\$1.37
AS-3/4-10	12080047	10" Pipe - Gray	25	250	18.8	\$1.37
One-Piece Saddle for PVC Pipe : 1" Socket / 1 1/4" Spigot						
AS-1-3	12080059	3" Pipe - Brown	25	250	18.8	\$1.55
AS-1-4	12080043	4" Pipe - Green	25	250	18.8	\$1.55
AS-1-5	12080044	5" Pipe - Red	25	250	18.8	\$1.55
AS-1-6	12080045	6" Pipe - Blue	25	250	19.9	\$1.55
AS-1-8	12080046	8" Pipe - Orange	25	250	19.9	\$1.55

Drill 1" hole for all above — Use AS-DRILL, (*except AS-1/2-1 1/2: drill 7/8" hole).

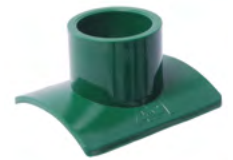
Heavy bodied cement IPS #719 or equivalent recommended. Always prime pipe and fitting.
Saddles also available with compression adapters. Call for pricing and availability.



AS-1/2-1-1/2*



AS-3/4-2



AS-1-3

FITTINGS



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JAIN Valve Builder

To make specification of a JAIN valve easy, we've setup this Valve Builder to help walk you through the process. The Valve Builder reads from left to right across both pages [D-02](#) and [D-03](#). The following pages [D-4](#) through [D-11](#) are in order with more details to help make an informed decision on each valve specification.

VALVES

Function (pg. D-4 and D-5)		Size (pg. D-6 and D-7)		Material and Connection (pg. D-8)		Diaphragm (pg D-9)	
B	Basic	1	1"	PTH	Plastic Threaded (1.5, 2, 2.5, 3, 4")	ST	Standard Pressure (Plastic 8-140 psi), (Cast Iron 15-235 psi)
M	Manual	1.5	1-1/2"	PGR	Plastic Grooved (3 & 4")	LP	Low Pressure (Plastic Not available), (Cast Iron 8-140 psi)
EL	Electric	2	2"	PFL	Plastic Flanged (4")		
MEL	Manual Electric	2S	2" (3" Body)	CIT	Cast Iron Threaded (1, 1.5, 2, 323, 3, 4")		
RC	Remote Control	2.5	2-1/2" FPT / 3" Grv	CIG	Cast Iron Grooved (3 and 4")		
MRC	Manual Remote Control	3	3"	CIF	Cast Iron Flanged (3, 4, 6, 8, 10, 12")		
PRM	Pressure Reducing Manual	3S	3" FPT / 4" Grv	CIATH	Cast Iron Angled Threaded (2, 323, 3")		
PRMEL	Pressure Reducing Manual Electric	323	3"x2"x3"	CIAG	Cast Iron Angled Grooved (2")		
PRMRC	Pressure Reducing Manual Remote Control	4	4"	CIAF	Cast Iron Angled Flanged (3")		
PRPSM	Pressure Reducing Pressure Sustaining Manual	6	6"				
PRPSMEL	Pressure Reducing Pressure Sustaining Manual Electric	8	8"				
PSM	Pressure Sustaining Manual	10	10"				
PSMEL	Pressure Sustaining Manual Electric	12	12"				
PSMRC	Pressure Sustaining manual Remote Control						
QR	Quick Reacting						
2PR	Pressure Reducing (2-Way)						
2PS	Pressure Sustaining (2-Way)						
Pressure Reducing Manual Electric		3"		Plastic Threaded		Standard Pressure	

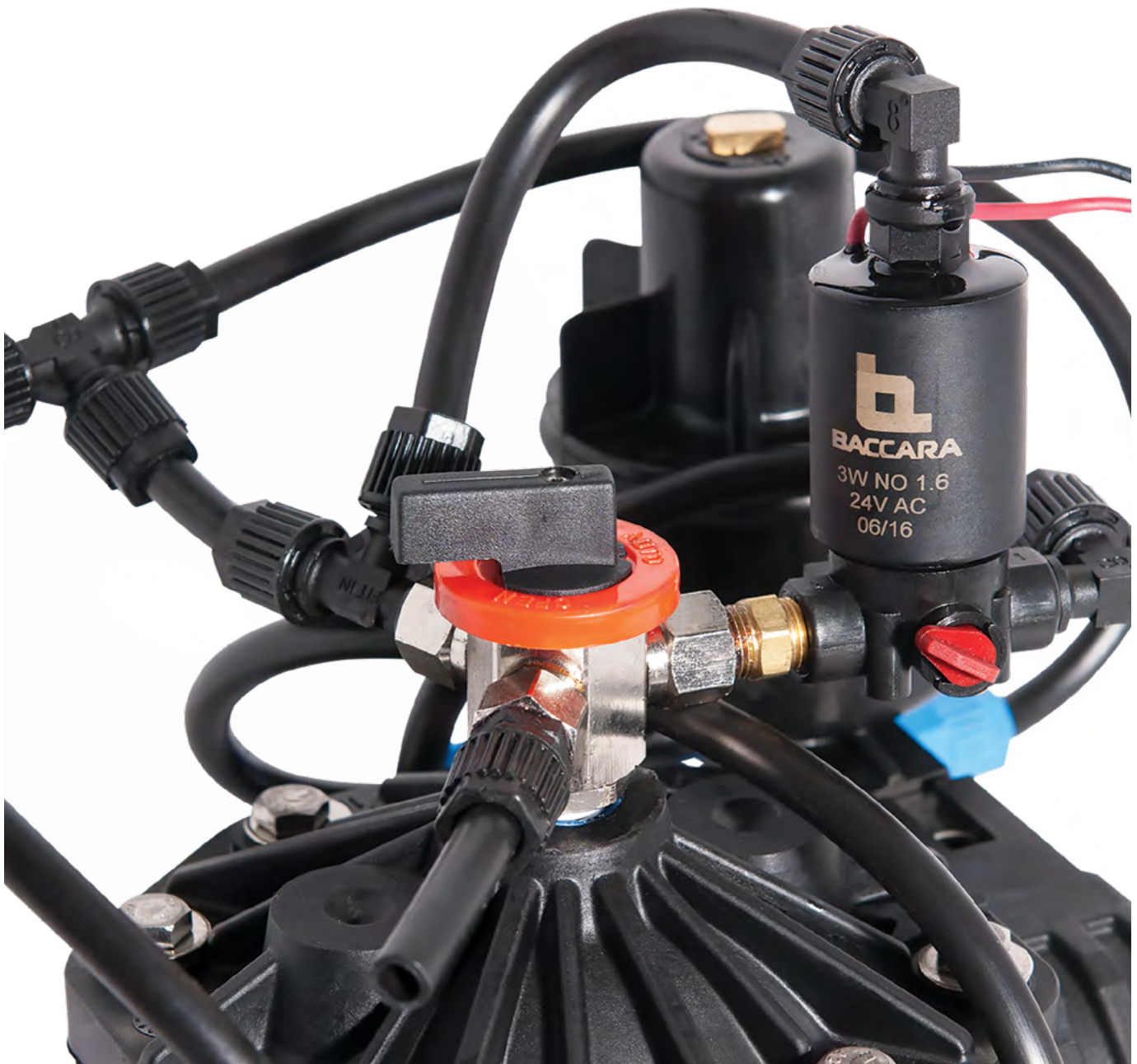
Example: **PRMEL + 3 + PTH + ST + S1 + PS + P**

3-Way Solenoid or Relay (pg. D-10)		Pilot (pg. D-11)		Options (pg. D-12)	
0	No solenoid	0	None	C	Copper tube and fittings
Small 1-4" OR Large 6"+	N.O. = Normally Open OR N.C. = Normally Closed	Plastic Pilots 3-way	1-6"	F	External Filter
S1, L1 / S2, L2	24 VAC N.O. / N.C	PB	Blue 8-18 psi	G	Fixed Gauges
S3, L3 / S4, L4	110 VAC N.O. / N.C	PS	Silver 18-100 psi	N	External Needle Valves
S5, L5 / S6, L6	12 VDC N.O. / N.C	Brass Pilots 3way	8"+	I	Isolation Valves
12S1, 5L1 / 12S2, 5L2	9 VDC LATCH N.O. / N.C	3Rr (PR*) / 3Sr (PS*)	8-80 psi	P	Push-Loc Fittings
23S1, 13L1 / 23S2, 13L2	12 VDC LATCH N.O. / N.C	3Ry (PR*) / 3Sy (PS*)	80-230 psi	S	Stainless Steel Sleeve
53L1 / 53L2	24 VDC LATCH N.O. / N.C	Brass Pilots 2-way	1-6"	A	Accelerator
Hc1	Galit-Control Pressure on: Valve open / regulating. Control Pressure Off: Valve closed	62r(PR*) / 82r(PS*)	8-60 psi	1	UP STREAM PORT
Ho1	Galit-Control Pressure on: Valve open / regulating. Control Pressure Off: Valve fully open	62g (PR*)	60-175 psi	2	DOWN STREAM PORT
Hc2	Galit-Control Pressure on: Valve closed. Control Pressure Off: Valve open/regulating.	82y (PS*)	60-140 psi	3	BOTH PORTS
Ho2	Galit-Control Pressure on: Valve fully open. Control Pressure Off: Valve open/regulating	Brass Pilots 2-way	8"+	EX	F1=EXTERNAL FILTER UP STREAM
Spring: Change "H" to first letter in spring color to input elevation change	Allowable Elevation Change:	61r (PR*) / 81r (PS*)	8-60 psi	EX	F2=EXTERNAL FILTER DOWN STREAM
H	0-16 ft	61y (PR*) / 81r (PS*)	60-230 psi	EX	F3= EXTERNAL FILTER UP STREAM AND DOWN STREAM
Yellow	16-32 ft	(PR*) = Pressure Reducing	(PS*) = Pressure Sustaining		
Green	32-45 ft				
White	45-55 ft				
Red	55-72 ft				
24 VAC N.O		Silver 18-100psi		Push-Loc Fittings	

Valve Builder: Function

Use the Hydraulic Valve Function chart on pg [D-05](#) to determine which basic function the valve is set to perform.

VALVES



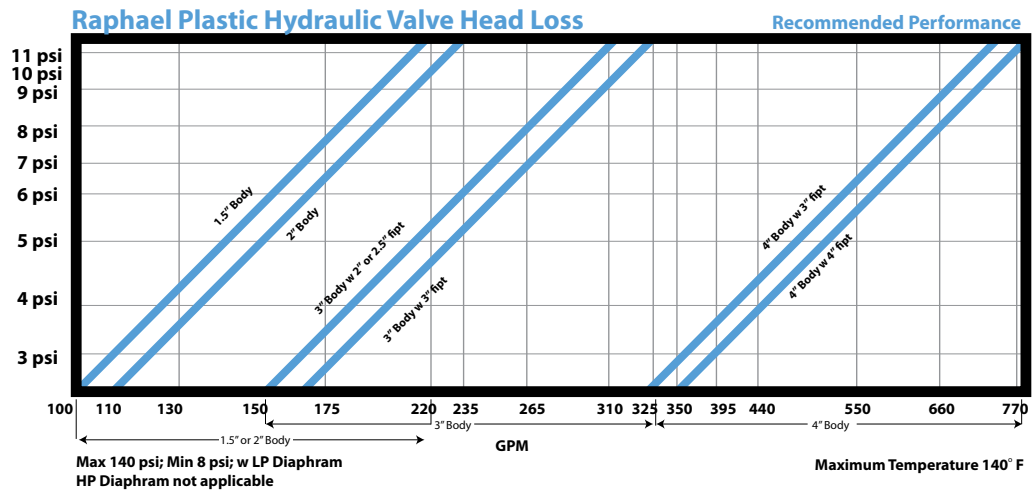
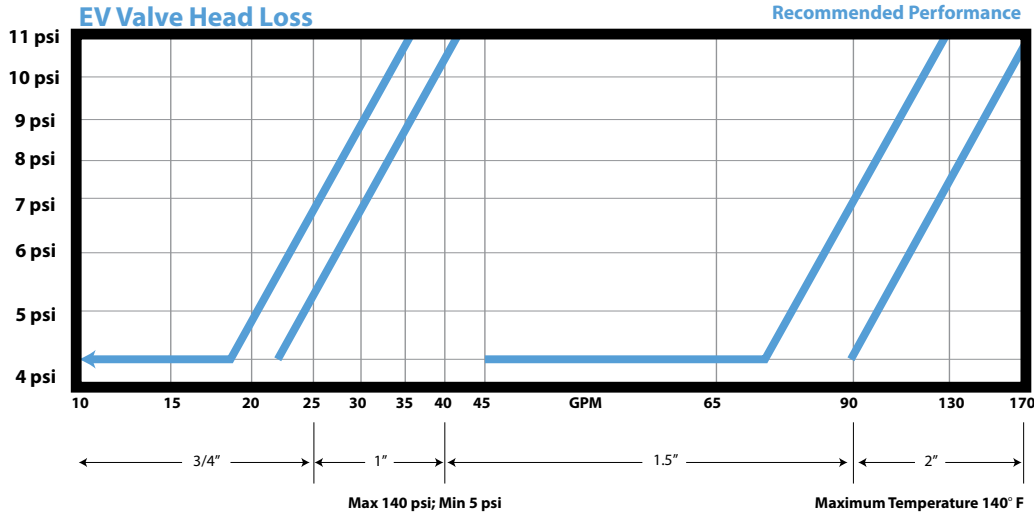
Hydraulic Valve Functions

B	Basic Body with diaphragm, bonnet and bonnet bolts, includes Schrader valves upstream and down stream for checking pressure. Unused ports are plugged.
M	Manual Valve, B plus a 3-Way manual selector valve, required tube and fittings
MEL	Manual Electric Valve, M plus a solenoid for automatic operation via a controller.
MRC	Manual Remote Control Valve, M plus a Hydraulic Relay for remote automation via hydraulic lines.
PRM	Pressure Reducing Manual Valve, M plus a pressure reducing pilot. Pilot monitors down stream pressure and reduces down stream pressure by partially closing the valve so that the set down stream pressure is not exceeded.
PRMEL	Pressure Reducing Manual Electric Valve, PRM plus a solenoid for automatic operation via a controller.
PRMRC	Pressure Reducing Manual Remote Control Valve, PRM plus a Hydraulic Relay for remote automation via hydraulic lines.
PSM	Pressure Sustaining Manual valve, M plus a pressure sustaining pilot. Pilot monitors upstream pressure and restricts down stream flow to maintain upstream set pressure. Also functions as a Pressure Relief valve when discharged to atmosphere. Also functions as a Slow Opening valve to control fill flow rates.
PSMEL	Pressure Sustaining Manual Electric valve, PSM plus a solenoid for automatic operation via a controller.
PSMRC	Pressure Sustaining Manual Remote Control valve, PSM plus a Hydraulic Relay for remote automation via hydraulic lines.
PSPRM	Pressure Sustaining Pressure Reducing Manual valve, combination of a PSM and PRM valve. Valve will be sustaining until set upstream pressure is met. After upstream pressure is met down stream pressure will be reduced to maintain set down stream pressure.
PSPRMEL	Pressure Sustaining Pressure Reducing Manual Electric valve, PSPRM with a solenoid for automatic operation via a controller.
PSPRMRC	Pressure Sustaining Pressure Reducing Remote Control valve, PSPRM with a hydraulic Relay for automatic operation via hydraulic lines.
QR or 2PS	Quick Reacting Pressure Relief valve or 2 Way Pressure Sustaining valve. This is the 2 way version of the PSM valve less the manual 3 way selector.
2PR	Pressure Reducing valve, this is the 2 way version of the PRM valve less the 3 way selector.
2PR2PS	Pressure Sustaining and Pressure Reducing valve. This is the 2 way version of the 2PS and 2PR.

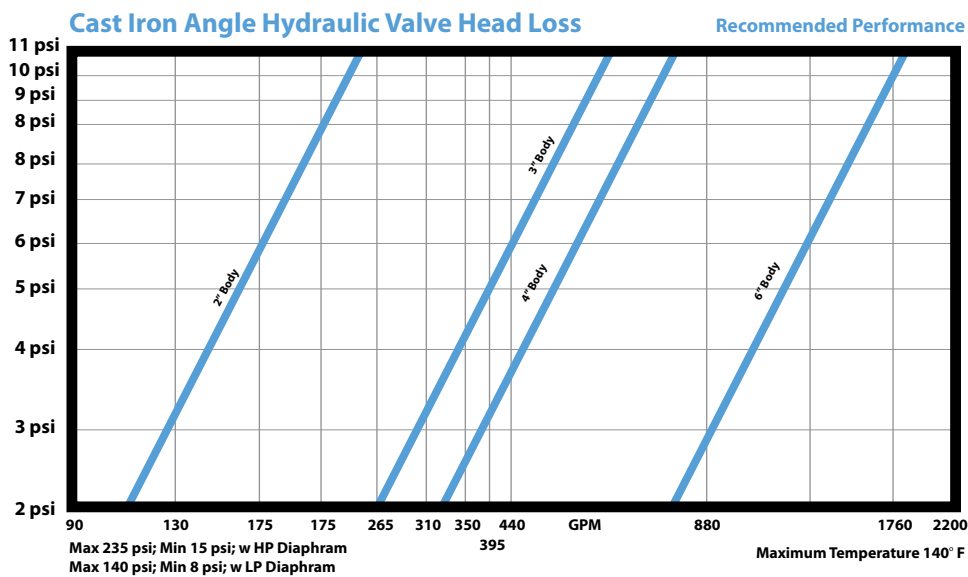
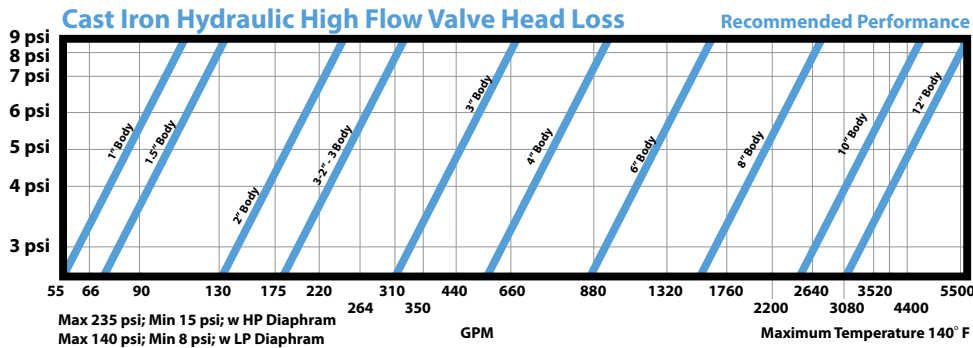
Valve Builder: Size

Choosing the proper valve size is crucial to a system's flow dynamics. Use the charts below to determine the valve type and flow rate to insure your system is setup properly.

VALVES



Using the Charts: Locate your system's flow on the lower horizontal axis (GPM), move vertically until you hit a blue line. This line indicates the valve size you should use. Move horizontally to the left from the point of intersection to read the corresponding head loss on the left vertical axis (PSI).



Valve Builder: Material and Connection

Depending on a system's water quality, application and lifespan - there are a number of **valve material** options. Cast Iron valves are typically used in larger systems with high flows and rugged site conditions. Plastic valves offer all the same features for a reduced cost.

If the system already exists then finding a **connection type** will be easy to match up. If this is a new system here are some of the valve connection options manufactured by JAIN.

VALVES



CIF	Cast Iron Flanged (3, 4, 6, 8, 10, 12")
-----	---



CIAG	Cast Iron Angled Grooved (2")
------	-------------------------------



PTH	Plastic Threaded (1.5, 2, 2.5, 3, 4")
-----	---------------------------------------

Valve Builder: Diaphragm

For dirty water applications a rugged JAIN diaphragm is going to insure long lasting function with a maintenance free lifespan. A crucial selection variable is a systems pressure, choosing the right diaphragm for a system's hydraulics is going to insure expedited closing and opening when the valve is activated.

When using a plastic valve with pressures between 8 and 140 psi, an ST model or "Standard Pressure" diaphragm will be the model of choice. Standard Pressures for a Cast Iron valve range between 15 and 235 psi. Lower Pressure diaphragms are available for Cast Iron and range between 8 and 140 psi.



ST

Standard Pressure (Plastic 8-140 psi), (Cast Iron 15-235 psi)

Valve Builder: 3-Way Solenoid or Relay

An assortment of activation methods are available with JAIN solenoids. 2-Way, 3-Way, AC or DC are available for battery and solar powered controller activation. The addition of a Hydraulic Relay will allow for hydraulic systems to be activated without the use of electricity.

VALVES

Hydraulic Relay Selection Guide

Spring Color	Allowable Elevation Change	Valve regulating with control pressure and valve closed when not regulating	Valve regulating with control pressure and valve open when not regulating	Valve regulating without control pressure and valve closed when not regulating	Valve regulating without control pressure and valve open when not regulating
None	0-16ft	Hc1	Ho1	Hc2	Ho2
Yellow	16-32ft	yc1	yo1	yc2	yo2
Green	32-45ft	gc1	go1	gc2	go2
White	45-55ft	wc1	wo1	wc2	wo2
Red	55-72ft	rc1	r01	rc2	r02



Note: Use NO relay for a NC valve; use NC relay for a NO valve.

SOLENOIDS				
3-Way	N.O.		N.C.	
Add H for higher psi i.e. L2H	Valve Size		Valve Size	
		1"-4" 1.4mm	6"-12" 2.4mm	1"-4" 1.4mm
24VAC	S1	L1	S2	L2
110VAC	S3	L3	S4	L4
12VDC	S5	L5	S6	L6
Max psi	117	117	87	147
H Max psi	220	147	220	YTBD



$\Delta P_{max} = 50\%$ if $P_u > 150\text{psi}$
 $\Delta P_{max} = 70\%$ if $150\text{psi} > P_u > 100\text{psi}$
 $\Delta P_{max} = 80\%$ if $P_u < 100\text{psi}$

Latching Solenoids						
			N.O.		N.C.	
			Valve Size		Valve Size	
			1"-2" 1.6mm	8"-12" 2.4mm	1"-2" 1.6mm	8"-12" 2.4mm
6800	4	2		LL1		LL2
6800	6	4	SL3		SL4	
4700	8.5	5		LL5		LL6
4700	12	9	SL7		SL8	
4700	16	12	SL9		SL10	
4700	18	13		LL11		LL12
4700	20	20		LL13		LL14
3300	24	23	SL15		SL16	
3300	26	53		LL17		LL18
	Max psi		115	145	90	145

SOLENOIDS				
2-Way	N.O.		N.C.	
Add H for higher psi i.e. M2H	Valve Size		Valve Size	
		1"-4" 1.4mm	6"-12" 2.4mm	1"-4" 1.4mm
24VAC	S7	L7	S8	L8
110VAC	S9	L9	S10	L10
12VDC	S11	L11	S12	L12
Max psi	220	220	175	220

Valve Builder: Pilot Valve

Pilot Valves work as a form of pressure regulator to make sure a valve opens and closes properly and in a timely manner. A Pilot Valve also helps maintain proper functioning pressure for emission devices. Choose a brass version for warmer temperatures and a more permanent installation. Plastic Pilot Valves are a great lower cost alternative to brass while still providing the same features.



Brass 2-Way Pilots				
	Pressure Reducing		Pressure Sustaining	
Valve	Reg Range		Reg Range	
Size	8-60 PSI	60-175 PSI	8-60 PSI	60-140 PSI
6"	62r	62g*	82r	82y**
	8-60 PSI	60-230 PSI	8-60 PSI	60-230 PSI
8"	61r	61y	81r	81y

* = > 175psi use 61Y

** = >140 psi use 81Y



3-Way Pilots				
	Pressure Regulating		Pressure Sustaining	
Valve	Reg Range		Reg Range	
Size	8-18 PSI	18-100 PSI	8-18 PSI	18-100 PSI
6"	PRb	PRs*	PSb	PSs**
	8-80 PSI	80-230 PSI	8-80 PSI	80-230 PSI
8"	3Rr	3Ry	3Sr	3Sy

* = >100psi use 3Ry

** = > 100psi use 3Sy

Valve Builder: Options

Additional options are available to make the installation and maintenance of a valve easier. Where pests or rodents may be causing damage to 1/4" hydraulic lines, we offer a copper tubing alternative. Pressure testing points come in handy when system assessments are routine. Choose an Option from our Valve Builder to push your valve to its full potential.



Relays and Pilot Valves

VALVES

Model #	Part #	Description	Unit Weight (oz)	Length (in)	Width (in)	Height (in)	List Price
Manual Selector Valves							
BK-3W-1/8	34100383	3-Way 1/4" MIPT x (3) 1/8" FIPT, 3.2mm	4.6	2	2	1.50	\$39.47
BK-3W-1/4	34100384	Brass Valve 3-Way 1/4" MIPT x (3) 1/4" FIPT, 6mm	4.6	2	2	1.60	\$39.47
Hydraulic Relays and Accessories							
Ho	34100282	Plastic 1/8" FIPT (no spring)	3.5	3	2	2	\$127.29
Hy	34100275	Spring Yellow (16-32')	0.6	2	0.3	0.3	\$7.41
Hg	34100276	Spring Green (32-45')	0.6	2	0.3	0.3	\$7.41
Hw	34100277	Spring White (45-55')	0.6	2	0.3	0.3	\$7.41
Hr	34100278	Spring Red (55-72')	0.6	2	0.3	0.3	\$7.41
Pilot Valve : 3-Way Plastic and Accessories							
PPo	34100463	Reducer or Sst 1/4" MIPT and FIPT (no spring)	1.3	5	3.5	3.5	
Pb	34100267	Spring Blue (8-22psi) for PPlt	1.6	2.8	1	1	\$31.69
Ps	34100269	Spring Silver (15-100psi) for PPlt	1.6	2.8	1	1	\$31.69
PaT	34100298	Mounting Tongue for PPO	0.3	2	0.4	0.1	\$24.71
Pilot Valve: 3-Way Brass and Accessories							
3Ro	34100455	Reducer 1/4" FIPT (no spring)	29.0	8	3	3	\$595.68
3So	34100456	Sst 1/4" FIPT (no spring)	29.0	8	3	3	\$595.68
Br	34100292	Spring Red (8-117psi) for Brass 3-Way Pilot, 2-Way 62 and 82	1.7	3	1	1	\$19.01
Bg	34100291	Spring Green (29-174psi) for Brass 3-Way Pilot, 2-Way 62	1.7	3	1	1	\$19.01
By	34100290	Spring Yellow (16-235psi) for Brass 3-Way Pilot, 2-Way 82	1.7	3	1	1	\$19.01
Pilot Valve: 2-Way Brass for Valves < 6" and Accessories							
62o	34100452	Reducer 1/4" FIPT (no spring) for Valves < 6"	29.0	9	4	4	\$457.27
82o	34100454	Sst 1/4" FIPT (no spring) for Valves < 6" and psi < 140	29.0	9	4	4	\$457.27
Pilot Valve: 2-Way Brass for Valves > 4" and Accessories							
61r	34100451	Reducer 1/4" FIPT (no spring) for Valves > 4"	105.0	9	4	4	\$595.68
81o	34100453	Sst 1/4" FIPT (no spring) for Valves > 4"	64.0	9	4	4	\$595.68
B1r	34100295	Spring Red (8-88psi) for Brass 2wy 61 and 81 Plt	4.0	3	1	1	\$38.03
B1y	34100293	Spring Yellow (29-235psi) for Brass 2-Way 61 and 81 Pilot	4.0	3	1	1	\$38.03
Pilot Valve Accessories							
44886	34100297	Stl Mounting Bracket for Brass Pilot	1.8	2	1	0.2	\$81.26
BRM2	34100570	Stl Mounting Blt Pair for 2" Cast Iron Valve	6.0	2	0.5	0.5	\$12.73
BRM3	34100571	Stl Mounting Blt Pair for 3" Cast Iron Valve	6.0	3	0.8	0.8	\$12.73
BRM4-8	34100572	Stl Mounting Blt Pair for 4" Cast Iron Valve	6.0	4	1	1	\$19.03
BRM10-12	34100575	Stl Mounting Blt Pair for 10" Cast Iron Valve	6.0	5	1	1	\$22.47



BK-3W



PP



3R, 3S



62



61



Ho

Solenoids

Model #	Part #	Description	Max PSI	Volt (max)	Volt (min)	In-Rush(A)	Holding (A)	Watt	List Price
3-Way Normally Open									
S1	14105300	24VAC w/o diode 1.2mm plastic 1/8" FIPT Plastic Override 2 Wire	117	26.4	19.2	0.14	0.12	3	\$96.10
L1	14105320	24VAC 2.4mm Brass 1/4" FIPT Plastic Override Mld Cable	117	26.4	21.6	0.45	0.41	10	\$185.56
S3	14105301	110VAC w/o diode 1.2mm Plastic 1/8" FIPT Plastic Override 2 Wire	117	121	88	0.02	0.01	2	\$96.10
L3	14105321	110VAC 2.4mm Brass 1/4" FIPT Plastic Override Mld Cable	117	121	99	0.1	0.09	10	\$185.56
S5	14105302	12VDC 1.2mm Plastic 1/8" FIPT Plastic Override 2 Wire	117	13.2	9.6	0.375	0.375	4.5	\$96.10
L5	14105322	12VDC 2.4mm Brass 1/4" FIPT Plastic Override Mld Cable	117	13.2	10.8	0.73	0.66	8	\$185.86
3-Way Normally Closed									
S2	14105303	24VAC w/o diode 1.2mm Plastic 1/8" Override 2 Wire	87	26.4	19.2	0.14	0.12	3	\$96.10
L2	14105323	24VAC 2.4mm Brass 1/4" FIPT Mld Cable	147	26.4	21.6	0.45	0.41	10	\$185.56
S4	14105304	110VAC w/o diode 1.2mm 1/8" Override 2 Wire	87	121	88	0.02	0.01	2	\$96.10
L4	14105324	110VAC 2.4mm Brass 1/4" Override, Mld Cable	147	121	99	0.1	0.09	10	\$185.56
S6	14105305	12VDC 1.2mm Plastic 1/8" Override 2 Wire	73	13.2	9.6	0.38	0.38	5	\$96.18
L6	14105325	12VDC 2.4mm Brass 1/4" Override Mld Cable	147	13.2	10.8	0.73	0.66	8	\$185.56
2-Way Normally Open									
S7	14105200	24VAC 1.2mm Plastic 1/8" FIPT Plastic Override 2 Wire	367	26.4	19.2	0.2	0.14	4.5	\$65.10
L7	Pending	24VAC 2.4mm Brass 1/4" FIPT Plastic Override Mld Cable	220	26.4	19.2	0.45	0.41	10	
S9	14105201	110VAC 1.2mm Plastic 1/8" FIPT Plastic Override 2 Wire	367	121	88	0.02	0.02	2	\$65.10
L9	Pending	110VAC 2.4mm Brass 1/4" FIPT Plastic Override, Mld Cable	220	121	88	0.1	0.09	10	
S11	14105202	12VDC, 1.2mm Plastic 1/8" FIPT Plastic Override 2 Wire	367	13.2	9.6	0.375	0.375	4.5	\$65.10
L11	Pending	NO 12VDC 2.4mm Brass 1/4" FIPT Plastic Override Mld Cable	220	13.2	9.6	0.73	0.66	8	
Plastic Valve Solenoids (2-Way Solenoid Only)									
EV1	14103058	24VAC NC for JAIN Landscape Valves	176	26.4	19.2	0.09	0.08	2	\$32.38
EV2	14103057	110VAC NC for JAIN Landscape Valves	176	121	88	0.2	0.02	2	\$67.23
EV3	14103076	12VDC NC for JAIN Landscape Valves	176	13.2	9.6	0.8	0.375	4.5	
EV4	14103059	Latching 9Ω for JAIN Landscape Valve G	176					2	\$42.90
EV5	14103032	Latching 4Ω for JAIN Landscape Valve B	176					2	\$67.36

VALVES



Solenoids

VALVES

Model #	Part #	Description	Weight (oz)	Unit Cube (in ³)	Max Psi	Resistance (ohms)	Pulse (V)	Length (mS)	List Price
3-Way Latching Normally Open (FIPT)									
4S1	14105331	4Ω 1.6mm Plastic 1/8"	3.3	6	117	4.1	6	30-50	\$111.23
9S1	14103055	9Ω 1.6mm Plastic 1/8"	3.3	6	117	9.1	8	30-50	\$127.29
12S1	14105334	12Ω 1.6mm Plastic 1/8"	3.3	6	117	12	9	30-50	\$111.23
23S1	14105336	23Ω 1.6mm Plastic 1/8"	3.3	6	117	23	12	30-50	\$111.23
2L1	14105350	2Ω 2.4mm Brass 1/4"	9.3	9	147	2	6	30-50	\$220.29
5L1	14105352	5Ω 2.4mm Brass 1/4"	9.3	9	147	5	9	30-50	\$220.29
13L1	14105354	13Ω 2.4mm Brass 1/4"	9.3	9	147	13	12	30-50	\$220.29
20L1	14105356	20Ω 2.4mm Brass 1/4"	9.3	9	147	20	18	30-50	
53L1	14105358	53Ω 2.4mm Brass 1/4"	9.3	9	147	53	24	30-50	
3-way Latching Normally Closed (FIPT)									
4S2	14105332	4Ω 1.6mm Plastic 1/8"	3.3	6	88	4.1	6	30-50	\$111.23
9S2	14105333	9Ω 1.6mm Plastic 1/8"	3.3	6	88	9.1	6	30-50	\$111.23
12S2	14105335	12Ω 1.6mm Plastic 1/8"	3.3	6	88	12	9	30-50	\$111.23
23S2	14105337	23Ω 1.6mm Plastic 1/8"	3.3	6	88	23	12	30-50	\$111.23
2L2	14105351	2Ω 2.4mm Brass 1/4"	9.3	9	147	2	6	30-50	\$220.29
5L2	14105353	5Ω 2.4mm Brass 1/4"	9.3	9	147	5	9	30-50	\$220.29
13L2	14105355	13Ω 2.4mm Brass 1/4"	9.3	9	147	13	12	30-50	\$220.29
20L2	14105357	20Ω 2.4mm Brass 1/4"	9.3	9	147	20	18	30-50	
53L2	14105359	53Ω 2.4mm Brass 1/4"	9.3	9	147	53	24	30-50	
2-Way Latching Normally Open (FIPT)									
2S3	14105360	4Ω 1.6mm Brass 1/8"	9.3	6	235	2	6	30-50	
9S3	14105362	9Ω 1.6mm Brass 1/8"	9.3	6	235	5	9	30-50	
12S3	14105364	12Ω 1.6mm Brass 1/8"	9.3	6	235	12	12	30-50	
23S3	14105366	23Ω 1.6mm Brass 1/8"	9.3	6	235	23	18	30-50	
2-Way Latching Normally Closed (FIPT)									
4S4	14103032	4Ω 1.6mm Plastic 1/8"	3.3	6	176	4.1	6	30-50	\$67.35
9S4	14105363	9Ω 1.6mm Plastic 1/8"	3.3	6	176	9.1	7.5	30-50	
12S4	14105365	12Ω 1.6mm Plastic 1/8"	3.3	6	176	12	9	30-50	



5L3

Finger Filters and Specialty Valves

Model #	Part #	Description	Unit Weight (oz)	Unit Cube (in ³)	List Price
Finger Filters					
FI-P-1/8-1/4	34100380	Plastic Screen 1/8" FIPT x 1/4" MIPT	0.3	1.6	\$10.61
FI-B-1/4-1/4	34100381	Bass Screen 1/4" FIPT x 1/4" MIPT	1.9	2.0	\$38.03
FI-B-1/4-1/2	34100382	Brass Screen 1/4" FIPT x 1/2" MIPT	2.4	2.9	\$63.37
Specialty Valves					
BK-1/4NP	34100388	Brass Ball Valve 1/4" FIPT x MIPT	2.9	3.0	\$25.35
BK-1/2NP	34100389	Brass Ball Valve 1/2" FIPT x MIPT	4.2	4.1	\$50.71
BM -1/4-33	34100387	Brass Needle Valve 1/4" FIPT	3.3	2.6	\$63.37
APS14	13180129	Brass Valve Schrader 1/4" MIPT			\$4.18
APS18	12070014	Brass Valve Schrader 1/8" MIPT	0.5	0.6	\$4.00
T-BORDER-PL	34100385	Plastic T Chk (Shtl) 1/8" MIPT x 8mm	0.5	3.6	\$79.86
T-Border-1/4	34100386	Brass T Chk (Shtl) 1/4" FIPT	3.3	1.6	\$320.08



FI-P-1/8-1/4



FI-B-1/4-1/4



FI-B-1/4-1/2



BK-1/2NP



BM -1/4-33

Model #	Part #	Description	Unit Weight (oz)	Unit Cube (in ³)	List Price
Brass Fittings					
VFN18M	34100050	Nip TBE 1/8" MIPT	0.3	0.3	\$5.88
VFN14M	34100052	Nip TBE 1/4" MIPT	0.6	0.7	\$9.03
VFRN1418M	34100056	Nip Reducer TBE 1/4" x 1/8"	0.5	0.6	\$9.58
VFR1214M	34100076	RB 1/2" MIPT x 1/4" FIPT	1.6	1.0	\$11.74
VFTFFM18M	34100092	T Run 1/8"	1.9	1.2	\$9.28
VFTFFM14M	34100096	T Run 1/4"	2.3	1.3	\$19.90
VFP14M	34100112	PLG 1/4" MIPT	0.4	0.3	\$10.88
BP1/2	34100114	PLG 1/2" MIPT	1.6	1.0	\$18.54
8mmC Plastic Fittings					
IRMAE8x1/8	34100500	Elbow 1/8" MIPT x 8mmC	0.1	497.7	\$2.30
IRMAE8x1/4	34100501	Elbow 1/4" MIPT x 8mmC	0.1	1194.4	\$2.30
IRMA8x1/8	34100502	Male Adapter 1/8" MIPT x 8mmC	0.1	1105.9	\$1.95
IRMA8x1/4	34100503	Male Adapter 1/4" MIPT x 8mmC	0.1	1728.0	\$1.95
Blu PLt Ftg	34100545	Female Adapter Metric x 8mmC	0.1	2090.2	\$9.27
IRMBT8x1/8	34100505	T Branch 1/8" MIPT x 8mmC	0.2	0.0	\$2.82
IRMBT8x1/4	34100506	T Branch 1/4" MIPT x 8mmC	0.3	2262.0	\$2.82
IRUT8x8x8	34100507	T Un 8mmC	0.3	0.0	\$3.42
IRMRT8x1/8	34100508	T Rn 1/8" MIPT x 8mmC	0.2	0.0	\$2.82
IRMRT8x1/4	34100509	T RN 1/4" MIPT x 8mmC	0.3	508.0	\$2.82
IRHP1/4	34100511	Plug 1/4" MIPT	0.1	1791.6	\$0.85



VFRN1418M



IRMAE8x1/4



IRMA8x1/4



IRMBT8x1/4

Fittings and Tubing

VALVES

Model #	Part #	Description	Weight (oz)	Unit Cube (in ³)	List Price
3/8" Plastic Tubing Fittings					
PMA3/8x1/8	34100519	Male Adapter 1/8" MIPT x 3/8"	0.4	3.2	\$23.36
PMAE3/8x1/4	34100523	Elbow 1/4" MIPT x 3/8"	0.4	3.3	\$15.40
PMA3/8x1/4	34100521	Male Adapter 1/4" MIPT x 3/8" C	0.3	2.1	\$10.40
PFA3/8x1/4	34100522	Female Adapter 1/4" FIPT x 8mm	0.3	2.1	\$23.36
PMBT3/8x1/4	34100524	T Branch 1/4" MIPT x 3/8"	1.0	6.9	\$37.77
PUCT3/8x3/8	34100526	T Un 8mm	1.0	6.9	\$46.72
3/8" Brass Tubing Fittings					
CTTEL818M	34100130	Elbow 1/8" MIPT x 3/8" C	4.0	3.5	\$43.25
CTTEL814M	34100132	Elbow 1/4" MIPT x 3/8" C	4.0	3.5	\$43.25
CTTMA818M	34100120	Male Adapter 1/8" MIPT x 3/8" C	4.0	3.5	\$24.69
CTTMA814M	34100124	Male Adapter 1/4" MIPT x 3/8" C	4.0	3.5	\$10.21
CTFA818M	34100122	Female Adapter 1/8" MIPT x 3/8" C	4.0	3.5	\$10.00
CTFA814M	34100126	Female Adapter 1/4" MIPT x 3/8" C	4.0	3.5	\$10.46
CTBT818M	34100140	T Branch 1/8" MIPT x 3/8" C	4.0	3.5	\$78.08
CTBT814M	34100142	T Branch 1/4" MIPT x 3/8" C	4.0	3.5	\$17.87
Push Lock Fittings					
HTTE818P	34100182	Elbow 1/8" MIPT x 8mmC	4.0	3.5	\$37.08
HTTE814P	34100186	Elbow 1/4" MIPT 8mmC	4.0	3.5	\$37.08
HTTE318P	34100181	Elbow 1/8" MIPT x 3/8"C	4.0	3.5	\$38.32
HTTE314P	34100185	Elbow 1/4" MIPT x 3/8"C	4.0	3.5	\$37.08
HTTMA818P	34100172	Male Adapter 1/8" MIPT x 8mmC	4.0	3.5	\$11.73
HTTMA814P	34100176	Male Adapter 1/4" MIPT x 8mmC	4.0	3.5	\$16.29
HTTE318P	34100187	Male Adapter 1/8" MIPT x 3/8"C	4.0	3.5	\$38.31
HTTE314P	34100188	Male Adapter 1/4" MIPT x 3/8"C	4.0	3.5	\$38.31
HTBT818P	34100192	T Branch 1/8" MIPTx 8mmC	4.0	3.5	\$31.70
HTBT814P	34100196	T Branch 1/4" MIPT x 8mmC	4.0	3.5	\$48.31
Tubing					
315x208-1000PE	11190737	PE Tube 315x208 (8mm)	2.0	1.2	\$234.81
375x250-750PE	11190624	PE Tube 375x250 (3/8")	2.0	1.6	\$259.53
375x277-10CU	34100160	CU Tube 375 x 277 (3/8" O.D.)	8.0	1.6	\$298.46



PMA3/8x1/4



PMBT3/8x1/4



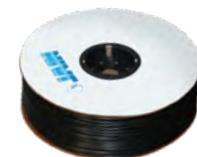
CTTEL818M



HTTMA314P



HTBT314P



315X208-1000PE

Diaphragms and Accessories

Model #	Part #	Description	Weight (oz)	Length (in)	Width (in)	Height (in)	List Price
For Plastic Globe Style Bodies (EV VALVES)							
DV075-010	14103067	Diaphragm for 3/4" - 1" Valve	0.7	3.0	3.0	0.6	\$19.50
DV015-020	14103068	Diaphragm for 1.5" - 2" Valve	1.1	5.0	4.0	0.8	\$42.02
For Plastic High Flow Inline Valve Bodies							
DP015-0	34100370	Diaphragm for 1 1/2" - 2" Plastic Valve	3.1	4.8	4.8	1.2	\$48.42
DP030	34100371	Diaphragm for 2.5" - 3" Plastic Valve	8.1	5.9	5.9	1.5	\$105.00
DP040	34100372	Diaphragm for 3S - 4" Plastic Valve	25.1	9.9	9.9	1.6	\$194.00
Low Pressure Diaphragms For Cast Iron High Flow Valve Body							
DCL010-015	34100359	Diaphragm LP for 1 - 1.5" CI Valve	1.8	3.8	3.8	0.7	\$48.42
DCL020	34100363	Diaphragm LP for 2" CI Valve	3.9	4.8	4.8	1.0	\$80.68
DCL030	pending	Diaphragm LP for 3" CI Valve	16.5	7.9	7.9	1.4	
DCL040	pending	Diaphragm LP for 4" CI Valve	26.6	9.2	9.2	1.6	
DCL100-120+	pending	Diaphragm LP for 10-12" CI Valve	190	20.9	20.9	3.0	
High Pressure Diaphragms For Cast Iron High Flow Valve Body							
DCH010-015	34100360	Diaphragm HP for 1 - 1.5" CI Valve	1.8	3.8	3.8	0.7	\$48.42
DCH020	34100361	Diaphragm HP for 2" CI Valve	3.9	4.8	4.8	1.0	\$80.68
DCH030	34100364	Diaphragm HP for 3" CI Valve	16.5	7.9	7.9	1.4	\$129.77
DCH040	34100365	Diaphragm HP for 4" CI Valve	26.6	9.2	9.2	1.6	\$194.03
DCH060+	34100366	Diaphragm HP for 6" CI Valve	50	11.6	11.6	1.8	\$674.78
DCH080+	34100367	Diaphragm HP for 8" CI Valve	109.6	13.9	13.9	14.0	\$1,458.30
DCH100-120+	34100368	Diaphragm HP for 10 - 12" CI Valve	190	20.9	20.9	3.0	\$2,040.39
Valve Accessories							
PHG015	12070506	Pressure Hose Gauge Assembly 15 PSI	15	8.0	5.0	1.0	\$81.11
PHG030	12070505	Pressure Hose Gauge Assembly 30 PSI	15	8.0	5.0	1.0	\$108.35
PHG060	12070500	Pressure Hose Gauge Assembly 60 PSI	15	8.0	5.0	1.0	\$108.35
PHG160	12070501	Pressure Hose Gauge Assembly 160 PSI	15	8.0	5.0	1.0	\$108.35
PHG300	12070502	Pressure Hose Gauge Assembly 300 PSI	15	8.0	5.0	1.0	\$108.35
LFG-15	12070325	Gauge 15 PSI 1/4" MIPT 2.5" Face LF	7.8	3.0	2.5	1.0	\$30.27
LFG-30	12070326	Gauge 30 PSI 1/4" MIPT 2.5" Face LF	7.8	3.0	2.5	1.0	\$27.86
LFG-60	12070328	Gauge 60 PSI 1/4" MIPT 2.5" Face LF	7.8	3.0	2.5	1.0	\$27.86
LFG-160	12070330	Gauge 160 PSI 1/4" MIPT 2.5" Face LF	7.8	3.0	2.5	1.0	\$27.86
LFG-300	12070333	Gauge 300 PSI 1/4" MIPT 2.5" Face LF	7.8	3.0	2.5	1.0	\$34.96
ACG	12070006	Schrader Chuck 1/4" FIPT	1.8	1.0	2.0	1.0	\$31.84
PH	12090070	Hose 1/4" x 24"	5.1	12.0	0.5	0.5	\$44.77



DCH060+



DCH020



LFG-100



PHG-160

JAIN Landscape Control Valves

VALVES

Model #	Part #	Description	Box Qty	Bag Qty	List Price
Valve Body (FIPT) and 24 VAC Solenoid					
EV-075-FC	14103021	3/4"	20	1	\$43.58
EV-010-FC	14103012	1"	20	1	\$45.76
EV-015-FC	14103017	1.5"	6	1	\$135.15
EV-020-FC	14103019	2"	6	1	\$145.90
Valve Body (FIPT) and 110 VAC Solenoid					
EV-075-2	14103010	3/4"	20	1	\$45.76
EV-010-2	14103013	1"	20	1	\$48.05
EV-015-2	14103018	1.5"	6	1	\$171.15
EV-020-2	14103020	NC (Normally Closed) 2"	6	1	\$186.90
Valve Body (FIPT) and 12 VDC Solenoid					
EV-075-3	14103005	3/4"	20	1	\$45.76
EV-015-3	Pending	1.5"	6	1	
Valve Body (FIPT) and 9 VDC Latching Solenoid					
E-075-9	14103011	3/4"	20	1	\$45.76
E-010-9	14103014	1"	20	1	\$45.76
E-015-9	14103015	1.5"	6	1	\$171.65
E-020-9	14103022	2"	6	1	\$186.90



EV-010-FC



EV-020-FC

Brass Gate and Ball Valves

Model #	Part #	Description (FIPT)	Bag Qty.	Box Qty.	Stock Code	List Price
Gate Valve						
BGV-005	12220246	.5"	10	100	MTO	\$16.92
BGV-007	12220247	.75"	8	80	MTO	\$24.07
BGV-010	12220248	1"	6	60	MTO	\$31.10
BGV-012	12220249	1.25"	5	50	MTO	\$39.03
BGV-015	12220250	1.5"	2	43	MTO	\$62.45
BGV-020	12220251	2"	2	24		\$90.10
BGV-025	12220255	2.5"	1	8	MTO	\$150.78
BGV-030	12220261	3"	1	6		\$237.34
BGV-040	12220271	4"	1	4		\$380.64
Ball Valve						
BBV-005	12220302	.5"	12	120	MTO	\$11.71
BBV-007	12220303	.75"	12	120	MTO	\$16.91
BBV-010	12220304	1"	6	60	MTO	\$28.62
BBV-012	12220305	1.25"	4	40	MTO	\$39.03
BBV-015	12220306	1.5"	2	30	MTO	\$67.65
BBV-020	12220307	2"	2	24	MTO	\$91.06
BBV-025	12220308	2.5"	2	8	MTO	\$174.26
BBV-030	12220309	3"	2	6	MTO	\$269.42
BBV-040	12220310	4"	2	4	MTO	\$410.31
Ball Valve (Full Port)						
BBV-005-FP	12220201	.5"	10	120	MTO	\$12.50
BBV-007-FP	12220210	.75"	10	100	MTO	\$28.09
BBV-010-FP	12220220	1"	6	60	MTO	\$34.65
BBV-012-FP	12220230	1.25"	6	40	MTO	\$52.76
BBV-015-FP	12220240	1.5"	2	24	MTO	\$71.05
BBV-020-FP	12220241	2"	1	20		\$97.83
BBV-025-FP	12220242	2.5"	1	8	MTO	\$229.87
BBV-030-FP	12220243	3"	1	6	MTO	\$329.98
BBV-040-FP	12220244	4"	1	4	MTO	\$617.93



BGV-020



BBV-007 FP

Flush Valves and Lateral LPDs

Model #	Part #	Flush Valves	Bag Qty	Box Qty	List Price
Flush Valves with Tattle Tail					
FCH-L-FHT	12060036	3/4" FHT Low Pressure White Plunger	50	1200	\$1.46
FCH-H-FHT	12060034	3/4" FHT High Pressure Orange Plunger	50	1200	\$1.46
FCH-L-FIPT	12060037	3/4" FPT Low Pressure White Plunger	50	1200	\$1.46
FCH-H-FIPT	12060035	3/4" FPT High Pressure White Plunger	50	1200	\$1.46
Lateral Flush Valves					
LFV-50NPT	12060701	Threaded 1/2" NPT Male		180	\$7.26
LFV-16B	12060716	Barb 16mm		180	\$7.26
LFV-17B	12060717	Barb 17mm		180	\$7.26
LFV-20B	12060720	Barb 20mm		180	\$7.26
LFV-17T	12060727	Tape 17mm		180	\$7.26
2" Flush Valves					
FCH-2L	12060010	2" MPT x Low Pressure White Plunger		180	\$35.74
FCH-2H	12060008	2" MPT x High pressure Black Plunger		60	\$35.74

Note: Available in BSP Thread.

Flush Valve Operating Information

FCH-L (Low): 0.6 GPM required to close; opens at < 1psi

FCH-H (High): 0.8 GPM required to close; opens at < 2psi

FCH-2L (Low): 16 GPM required to close; opens at < 1.5psi

FCH-2H (High): 30 GPM required to close; opens at < 7psi

Model #	Part #	Leak Prevention Devices	Box Qty	List Price
Lateral LPD				
LLPD-16B	11990616	1/2" NPT Thread x 16mm Barb	280	\$8.57
LLPD-17B	11990617	1/2" NPT Thread x 17mm Barb	270	\$8.57
LLPD-20B	11990610	1/2" NPT Thread x 20mm Barb	250	\$8.57
Sprinkler LPD				
ILPD-12B	11990512	LPD 1/2" FPT x 12mm Barb	230	\$8.57
ILPD-16M	11990516	LPD 1/2" FPT x 16mm Barb	230	\$8.57
ILPD-50NPT	11990601	LPD 1/2" Universal	270	\$8.57
LFV-20B	11990602	LPD 3/4" x 1/2" Universal	250	\$8.57
Anti-Siphon Device				
PASV77H	72501963	3/4" FHT x 3/4" MHT	60	\$4.02



FCH-H-FHT



LFV-17B



FCH-2H



LLPD-16B



ILPD-12B



ILPD-50NPT



PASV77H





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Hose Threaded T-Filters

FILTERS

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code	List Price
Hose Thread: Plastic T-Filter 4E-3/4" FHS x 3/4" MHT (Stainless Steel Screen)							
4E-3/4T-50	72130088	50 mesh		50	27.0		\$11.15
4E-3/4T-100	72130082	100 mesh		50	27.0		\$11.15
4E-3/4T-150	72130084	150 mesh	10	50	27.0		\$11.46
4E-3/4T-200	72130086	200 mesh	10	50	27.0		\$13.30
Hose Thread: Replacement Stainless Steel Screens for Plastic 4E-3/4" Hose Bib T-Filters							
T-50M	72110035	Yellow - 50 mesh	10	100	12.0		\$8.26
T-100M	72110031	Blue - 100 mesh	10	100	12.0		\$8.26
T-150M	72110032	Black - 150 mesh	10	100	12.0		\$8.26
T-200M	72110033	Red - 200 mesh	10	100	12.0	MTO	\$10.33
Hose Thread: Plastic In-Line Hose Filter and Screen							
PIF	72500488	PIF 3/4" Plastic Inline Filter	1	50	17.6		\$10.36
PIF5	72501097	PIF 120 Mesh Screen Only	1	100	2.2		\$5.60



4E-3/4T-150



T-50M



T-100M

Pipe Threaded T-Filters

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code	List Price
Pipe Threaded: 1 1/2" FPT - Black Basin (150 psi) (Stainless Steel Screen)							
T-015B-30	12110002	Orange - 30 mesh	1	1	5.0	MTO	\$203.73
T-015B-50	12110052	Yellow - 50 mesh	1	1	5.0		\$203.73
T-015B-100	12110053	Blue - 100 mesh	1	1	5.0		\$203.73
T-015B-150	12110001	Black - 150 mesh	1	1	5.0		\$203.73
T-015B-200	12110004	Red - 200 mesh	1	1	5.0	MTO	\$203.73
Pipe Threaded: 1 1/2" FPT - Clear Basin (150 psi) (Stainless Steel Screen)							
T-015C-30	12110003	Orange - 30 mesh	1	1	5.0	MTO	\$229.69
T-015C-50	12110047	Yellow - 50 mesh	1	1	5.0		\$229.69
T-015C-100	12110054	Blue - 100 mesh	1	1	5.0	MTO	\$229.69
T-015C-150	12110007	Black - 150 mesh	1	1	5.0	MTO	\$229.69
T-015C-200	12110009	Red - 200 mesh	1	1	5.0	MTO	\$229.69



Pipe Threaded T-Filters

Model #	Part #	Description	Box Qty.	Box Wt.	Stock Code	List Price
Pipe Threaded: 2" FPT - Black Basin (150 psi) (Stainless Steel Screen)						
T-020B-30	12110005	Orange - 30 mesh	1	5.0	MTO	\$229.69
T-020B-50	12110021	Yellow - 50 mesh	1	5.0		\$229.69
T-020B-100	12110012	Blue - 100 mesh	1	5.0		\$229.69
T-020B-150	12110015	Black - 150 mesh	1	5.0		\$229.69
T-020B-200	12110018	Red - 200 mesh	1	5.0	MTO	\$229.69
Pipe Threaded: 2" FPT - Clear Basin (150 psi) (Stainless Steel Screen)						
T-020C-30	12110006	Orange - 30 mesh	1	5.0	MTO	\$254.34
T-020C-50	12110029	Yellow - 50 mesh	1	5.0	MTO	\$254.34
T-020C-100	12110023	Blue - 100 mesh	1	5.0	MTO	\$254.34
T-020C-150	12110025	Black - 150 mesh	1	5.0	MTO	\$254.34
T-020C-200	12110027	Red - 200 mesh	1	5.0	MTO	\$254.34

Note: BSP Models available. Chemical resistant Viton seals available.
T-Filters are available drilled and tapped for 1/8" Schrader valve. .



FILTERS

Pipe Threaded Filter Replacement Components						
1 1/2 and 2-30M	72120017	1 1/2" and 2" replacement screen 30 mesh- Orange	50	2.0	B	\$172.07
S-50M	12120016	1 1/2" and 2" replacement screen 50 mesh- Yellow	50	0.7	B	\$154.42
S-110M	12120015	1 1/2" and 2" replacement screen 100 mesh- Blue	50	0.7	B	\$154.42
S-150M	12120011	1 1/2" and 2" replacement screen 150 mesh- Black	50	0.7	B	\$154.42
S-200M	12120013	1 1/2" and 2" replacement screen 200 mesh- Red	50	0.7	B	\$154.42
BB-015/020	12120001	1 1/2" and 2" Black Basin	12	24.0	A	\$96.34
BC-015/020	12120003	1 1/2" and 2" Clear Basin	12	24.0	A	\$108.37
GE-015/020	12120005	1 1/2" and 2" O-Ring EPDM	1	0.5	B	\$5.54

Note: T-Filter Screens are not sintered.



1 1/2 and 2-30M

S-150M

BB-015/020

GE-015/020

BC-015/020

Turbo Disclean Filter

Model #	Part #	Description	Box Qty.	Box Wt.	Stock Code	List Price
JAIN Turbo Disclean Manual Disc Filters - 120 psi (8.3 Bar) Max Pressure						
DCTPL30TWN	12130450	2" MPT Turbo Disclean T/L Filter with 120 Mesh, 195 Sq. Inch Disc Element - 130 Max Flow	1	14.2	MTO	\$394.24
DCPL50TWN	12130460	3" MPT Turbo Disclean T/L Filter with 120 Mesh (125 Micron) 257 Sq. Inch Disc Element - 220 GPM Max Flow	1	20.9	MTO	\$577.14
Includes: Disclean Filter PP Reinforced Body, Disc Element with Turbo Spin Plate and 3/4" FPT PVC Purge Valve						
JAIN SmartClean Vertical Manual Operated Screen Filter - 120 psi (8.3 Bar) Max. Pressure						
SCVP03T-S12P-M	13170110	3" MPT SmartClean VMO T Filter with 120 Mesh (125 Micron) 257 Sq. Inch. Screen Element - 220 GPM Max. Flow	1	22.9	MTO	
Includes: SmartClean Filter with PP Reinforced Body, Manual Suction Scanner, SS Screen with PP Element and 3/4" FPT PVC Purge Valve						

FILTERS



DCTPL30TWN



DCPL50TWN



SCVP03T-S12P-M



Disclean Filter

JAIN Y-Filters

Model #	Part #	Description	Box Qty.	Stock Code	List Price
JAIN Filter with Flush Cap (SS Screen)					
JF-075-50	72130300	3/4" with 50 mesh	16		\$17.71
JF-075-100	72130301	3/4" with 100 mesh	16	MTO	\$18.60
JF-075-150	72130302	3/4" with 150 mesh	16		\$17.71
JF-075-200	72130303	3/4" with 200 mesh	16	MTO	\$18.60
JF-100-50	72130310	1" with 50 mesh	16		\$18.60
JF-100-100	72130311	1" with 100 mesh	16	MTO	\$19.21
JF-100-150	72130312	1" with 150 mesh	16		\$18.60
JF-100-200	72130313	1" with 200 mesh	16	MTO	\$19.21
JAIN Filter with Flush Valve (SS Screen)					
JFFV-075-150	72130322	3/4" with 150 mesh	16		\$25.93
JFFV-100-150	72130332	1" with 150 mesh	16		\$25.93
JAIN Filter Replacement Screens					
RSS50	72130400	3/4" and 1" SS 50 mesh Black	30	MTO	\$11.24
RSS100	72130401	3/4" and 1" SS 100 mesh Blue	30	MTO	\$11.24
RSS150	72130402	3/4" and 1" SS 150 mesh Yellow	30	MTO	\$10.71
RSS200	72130403	3/4" and 1" SS 200 mesh Red	30	MTO	\$11.24

Note: Maximum operating pressure 85 psi.



JF-100-50



JFFV-100-150



RSS150

FILTERS



Plastic Spin Clean Y-Filters

FILTERS

Model #	Part #	Description	Box Qty.	Box Wt.	Stock Code	List Price
4E 3/4" MPT with MHT Cap (80 psi - 9 GPM Max) (SS Screen)						
4E-3/4A-30	72130073	Orange - 30 mesh	8	6.0	MTO	\$37.94
4E-3/4A-50	72130074	Yellow - 50 mesh	8	6.0	MTO	\$37.94
4E-3/4A-100	72130070	Blue - 100 mesh	8	6.0		\$37.94
4E-3/4A-150	72130071	Black - 150 mesh	8	6.0		\$37.94
4E-3/4A-200	72130072	Red - 200 mesh	8	6.0		\$37.94
4E 3/4" MPT with MHT Flush Valve (80 psi - 9 GPM Max) (SS Screen)						
4E-3/4B-30	72130079	Orange - 30 mesh	6	6.0	MTO	\$44.54
4E-3/4B-50	72130080	Yellow - 50 mesh	6	6.0		\$44.54
4E-3/4B-100	72130076	Blue - 100 mesh	6	6.0		\$44.54
4E-3/4B-150	72130077	Black - 150 mesh	6	6.0		\$44.54
4E-3/4B-200	72130078	Red - 200 mesh	6	6.0		\$44.54
4EH 3/4" MPT with MPT Cap (150 psi - 9 GPM Max) (SS Screen)						
4EH-3/4A-30	72130113	Orange - 30 mesh	8	8.5	MTO	\$53.32
4EH-3/4A-50	72130114	Yellow - 50 mesh	8	8.5	MTO	\$53.32
4EH-3/4A-100	72130110	Blue - 100 mesh	8	8.5	MTO	\$53.32
4EH-3/4A-150	72130111	Black - 150 mesh	8	8.5		\$53.32
4EH-3/4A-200	72130112	Red - 200 mesh	8	8.5		\$53.32
4EH 3/4" MPT with MPT Ball Valve (150 psi - 9 GPM Max) (SS Screen)						
4EH-3/4B-30	72130118	Orange - 30 mesh	6	12.8	MTO	\$60.29
4EH-3/4B-50	72130119	Yellow - 50 mesh	6	12.8	MTO	\$60.29
4EH-3/4B-100	72130115	Blue - 100 mesh	6	12.8		\$60.29
4EH-3/4B-150	72130116	Black - 150 mesh	6	12.8		\$60.29
4EH-3/4B-200	72130117	Red - 200 mesh	6	12.8	MTO	\$60.29
4E 1" MPT with MHT Cap (80 psi -18 GPM Max) (SS Screen)						
4E-1AN-30	72130171	Orange - 30 mesh	8	8.0	MTO	\$37.56
4E-1AN-50	72130173	Yellow - 50	8	8.0		\$37.56
4E-1AN-100	72130175	Blue - 100 mesh	8	8.0		\$37.56
4E-1AN-150	72130177	Black - 150 mesh	8	8.0		\$37.56
4E-1AN-200	72130179	Red - 200 mesh	8	8.0	MTO	\$37.56

Note: available with BSP Threads - Call Customer Service for pricing and availability.

4E 1" MPT with MHT Flush & Ball Valve (80 psi - 18 GPM Max) (S Screen)						
4E-1BN-30	72130181	Orange - 30 mesh	6	7.0	MTO	\$45.72
4E-1BN-50	72130183	Yellow - 50 mesh	6	7.0		\$45.72
4E-1BN-100	72130185	Blue - 100 mesh	6	7.0		\$45.72
4E-1BN-150	72130187	Black - 150 mesh	6	7.0		\$45.72
4E-1BN-200	72130189	Red - 200 mesh	6	7.0		\$45.72

Note: Available with BSP Threads - Call Customer Service for pricing and availability. All Plastic Filter models available drilled and tapped for 1/8" schrader valve.



Plastic Spin Clean Y-Filters

Model #	Part #	Description	Box Qty.	Box Wt.	Stock Code	List Price
4EH 1" MPT with MPT Cap (150 psi - 18 GPM Max) (SS Screen)						
4EH-1AN-30	72130191	Orange - 30 mesh	6	10.0	MTO	\$59.82
4EH-1AN-50	72130193	Yellow - 50 mesh	6	10.0	MTO	\$59.82
4EH-1AN-100	72130195	Blue - 100 mesh	6	10.0	MTO	\$59.82
4EH-1AN-150	72130197	Black - 150 mesh	6	10.0		\$59.82
4EH-1AN-200	72130199	Red - 200 mesh	6	10.0	MTO	\$59.82

Note: Available with BSP threads.

4EH 1" MPT with MPT Flush Valve (150 psi - 18 GPM Max) (SS Screen)						
4EH-1BN-30	72130201	Orange - 30 mesh	6	7.5		\$64.48
4EH-1BN-50	72130203	Yellow - 50 mesh	6	7.5	MTO	\$64.48
4EH-1BN-100	72130205	Blue - 100 mesh	6	7.5		\$64.48
4EH-1BN-150	72130207	Black - 150 mesh	6	7.5		\$64.48
4EH-1BN-200	72130209	Red - 200 mesh	6	7.5	MTO	\$64.48

Note: Available with BSP threads.

4EH 1 1/2" MPT with MPT Flush Valve (150 psi - 55 GPM Max) (SS Screen)						
4EH-11/2-30	72130093	Orange - 30 mesh	1	5.8		\$423.55
4EH-11/2-50	72130094	Yellow - 50 mesh	1	5.8		\$423.55
4EH-11/2-100	72130090	Blue - 100 mesh	1	5.8		\$423.55
4EH-11/2-150	72130091	Black - 150 mesh	1	5.8		\$423.55
4EH-11/2-200	72130092	Red - 200 mesh	1	5.8		\$423.55

Note: Available with BSP threads.

4EH 2" MPT with MPT Flush Valve (150 psi - 110 GPM Max) (SS Screen)						
4EH-2P-30	72130108	Orange - 30 mesh	1	5.6		\$465.90
4EH-2P-50	72130109	Yellow - 50 mesh	1	5.6		\$465.90
4EH-2P-100	72130105	Blue - 100 mesh	1	5.6		\$465.90
4EH-2P-150	72130106	Black - 150 mesh	1	5.6		\$465.90
4EH-2P-200	72130107	Red - 200 mesh	1	5.6		\$465.90

Note: Available with BSP threads. All Plastic Filter models available drilled and tapped for 1/8" schrader valve.



FILTERS

Plastic Spin Clean Accessories

FILTERS

Model #	Part #	Description	Box Wt.	Box Qty	List Price
SS Replacement Screens: For 3/4" & 1" Filters (Length: 5 1/4")					
3/4" & 1"-30M	72140035	Orange - 30 mesh screen	10.0		\$23.28
3/4" & 1"-50M	72140036	Yellow - 50 mesh screen	10.0		\$23.28
3/4" & 1"-100M	72140031	Blue - 100 mesh screen	10.0		\$23.28
3/4" & 1"-150M	72140032	Black - 150 mesh screen	10.0		\$23.28
3/4" & 1"-200M	72140034	Red - 200 mesh screen	10.0		\$23.28
SS Replacement Screens: For 1 1/2" & 2" Filters (Length: 7 1/4")					
1 1/2" & 2"-30M	72120017	Orange - 30 mesh screen (Non-Sintered)	4.0		\$172.08
1 1/2" & 2"-50M	72140049	Yellow - 50 mesh screen	4.0		\$237.87
1 1/2" & 2"-100M	72140045	Blue - 100 mesh screen	4.0		\$237.87
1 1/2" & 2"-150M	72140046	Black - 150 mesh screen	4.0		\$237.87
1 1/2" & 2"-200M	72140047	Red - 200 mesh screen	4.0		\$237.87



Model #	Part #	Description	Box Qty.	Box Wt.	Stock Code	List Price
Spin Plates: For 3/4" & 1" Filters (Length: 5 1/4")						
3/4-SP-2	72140001	3/4" - 2 Hole (Standard), 9 GPM	10	0.5		\$5.85
1-SP-2	72140002	1" - 2 Hole (Standard), 18 GPM	100	0.5		\$6.14
1-1/2-SP-2	72140059	1 1/2" - 2 Hole, 23-28 GPM		0.5		\$27.03
1-1/2-SP-3	72140058	1 1/2" - 3 Hole, 34-42 GPM		0.5		\$27.03
1-1/2-SP-4	72140013	1 1/2" - 4 Hole, 45-55 GPM		0.5	MTO	\$24.09
2-SP-2	72140060	2" - 2 Hole, 45-55 GPM		0.5		\$27.03
2-SP-3	72140061	2" - 3 Hole, 68-84 GPM		0.5		\$27.03
2-SP-4	72140029	2" - 4 Hole, 90-110 GPM		0.5		\$27.03



Note: To obtain lower flow rates in 1" model, use 3/4" Spin Plates.
To obtain lower flow rates in 2" model, use 1 1/2" Spin Plates.

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	List Price
Debris Basin						
1 1/2 & 2-DB-H	72140007	With O-Ring: 1 1/2" & 2" Model		1	3.0	\$73.56
3/4 & 1-DB	72140038	3/4" & 1" Low Pressure		1	1.0	\$23.36
O-Rings						
1 1/2 & 2-Ring	72140008	Body to Basin: 1 1/2" & 2" models		1	0.1	\$5.65
3/4 & 1-Ring	72140037	Body to Basin: 3/4" & 1" models		1	0.1	\$2.81
Wrench						
Wrench	72140044	Wrench for 1 1/2" & 2" 4E Plastic Filters (T-Filters/Y-Filters)	1	50	45.0	\$44.12



Steel Spin Clean Y-Filters

Model #	Part #	Description	Box Qty.	Bo Wt.	Stock Code	List Price
2" Flanged 4E Steel Filter (103 GPM max. flow)						
4E-2-30F	13150027	Orange - 30 mesh	1	48.0	MTO	\$3,703.48
4E-2-50F	13150029	Yellow - 50 mesh	1	48.0	MTO	\$3,703.48
4E-2-100F	13150013	Blue - 100 mesh	1	48.0	MTO	\$3,703.48
4E-2-150F	13150017	Black - 150 mesh	1	48.0	MTO	\$3,703.48
4E-2-200F	13150022	Red - 200 mesh	1	48.0	MTO	\$3,703.48
2" Grooved 4E Steel Filter (103 GPM max. flow)						
4E-2-30	13150086	Orange - 30 mesh	1	38.0	MTO	\$3,517.91
4E-2-50	13150028	Yellow - 50 mesh	1	38.0	MTO	\$3,517.91
4E-2-100	13150012	Blue - 100 mesh	1	38.0	MTO	\$3,517.91
4E-2-150	13150016	Black - 150 mesh	1	38.0	MTO	\$3,517.91
4E-2-200	13150021	Red - 200 mesh	1	38.0	MTO	\$3,517.91
3" Flanged 4E Steel Filter (210 GPM max. flow)						
4E-3-30F	13150045	Orange - 30 mesh	1	53.0	MTO	\$4,187.50
4E-3-50F	13150047	Yellow - 50 mesh	1	53.0	MTO	\$4,187.50
4E-3-100F	13150032	Blue - 100 mesh	1	53.0	MTO	\$4,187.50
4E-3-150F	13150037	Black - 150 mesh	1	53.0	MTO	\$4,187.50
4E-3-200F	13150041	Red - 200 mesh	1	53.0	MTO	\$4,187.50
3" Grooved 4E Steel Filter (210 GPM max. flow)						
4E-3-30G	13150044	Orange - 30 mesh	1	43.0	MTO	\$4,000.64
4E-3-50G	13150046	Yellow - 50 mesh	1	43.0	MTO	\$4,000.64
4E-3-100G	13150031	Blue - 100 mesh	1	43.0	MTO	\$4,000.64
4E-3-150G	13150036	Black - 150 mesh	1	43.0	MTO	\$4,000.64
4E-3-200G	13150040	Red - 200 mesh	1	43.0	MTO	\$4,000.64
4" Flanged 4E Steel Filter (365 GPM max. flow)						
4E-4-30F	13150062	Orange - 30 mesh	1	75.0	MTO	\$4,471.68
4E-4-50F	13150064	Yellow - 50 mesh	1	75.0	MTO	\$4,471.68
4E-4-100F	13150052	Blue - 100 mesh	1	75.0	MTO	\$4,471.68
4E-4-150F	13150056	Black - 150 mesh	1	75.0	MTO	\$4,471.68
4E-4-200F	13150059	Red - 200 mesh	1	75.0	MTO	\$4,471.68

Note: 4E Epoxy Coated Steel Spin Clean Filters come complete with two flow plugs, one liquid filled pressure gauge and 3-way valve assembly, one air vent and one brass ball valve. All Steel Spin Clean Filters are packaged and crated for secure shipping. All screens are sintered 316 stainless steel mesh and 304 stainless steel perforated support screen.



FILTERS

Steel Spin Clean Y-Filters

Model #	Part #	Description	Box Qty.	Box Wt.	Stock Code	List Price
4" Grooved 4E Steel Filter (365 GPM Max Flow)						
4E-4-30G	13150061	Orange - 30 mesh	1	50.0	MTO	\$4,328.94
4E-4-50G	13150063	Yellow - 50 mesh	1	50.0	MTO	\$4,328.94
4E-4-100G	13150051	Blue - 100 mesh	1	50.0	MTO	\$4,328.94
4E-4-150G	13150055	Black - 150 mesh	1	50.0	MTO	\$4,328.94
4E-4-200G	13150058	Red - 200 mesh	1	50.0	MTO	\$4,328.94
6" Flanged 4E Steel Filter (550 GPM Max Flow)						
4E-6-30F	13150072	Orange - 30 mesh	1	122.0	MTO	\$6,220.90
4E-6-50F	13150073	Yellow - 50 mesh	1	122.0		\$6,220.90
4E-6-100F	13150067	Blue - 100 mesh	1	122.0		\$6,220.90
4E-6-150F	13150069	Black - 150 mesh	1	122.0		\$6,220.90
4E-6-200F	13150071	Red - 200 mesh	1	122.0	MTO	\$6,220.90



FILTERS

Steel Spin Clean Y-Filters

Model #	Part #	Description	Box Qty.	Box Wt.	Stock Code	List Price
6" Flanged High Flow 4E Steel Filter (1000 GPM Max Flow)						
4E-6HF-30F	13150078	Orange - 30 mesh	1	300.0	MTO	\$10,628.99
4E-6HF-50F	13150079	Yellow - 50 mesh	1	300.0	MTO	\$10,628.99
4E-6HF-100F	13150075	Blue - 100 mesh	1	300.0		\$10,628.99
4E-6HF-150F	13150076	Black - 150 mesh	1	300.0		\$10,628.99
4E-6HF-200F	13150077	Red - 200 mesh	1	300.0	MTO	\$10,628.99
8" Flanged 4E Steel Filter (1300 GPM Max Flow)						
4E-8-30F	13150083	Orange - 30 mesh	1	330.0	MTO	\$11,702.14
4E-8-50F	13150084	Yellow - 50 mesh	1	330.0		\$11,702.14
4E-8-100F	13150080	Blue - 100 mesh	1	330.0		\$11,702.14
4E-8-150F	13150081	Black - 150 mesh	1	330.0		\$11,702.14
4E-8-200F	13150082	Red - 200 mesh	1	330.0	MTO	\$11,702.14
10" Flanged 4E Steel Filter (2200 GPM Max Flow)						
4E-10-30F	13150004	Orange - 30 mesh	1	545.0	MTO	\$17,143.16
4E-10-50F	13150005	Yellow - 50 mesh	1	545.0		\$17,143.16
4E-10-100F	13150001	Blue - 100 mesh	1	545.0		\$17,143.16
4E-10-150F	13150002	Black - 150 mesh	1	545.0		\$17,143.16
4E-10-200F	13150003	Red - 200 mesh	1	545.0	MTO	\$17,143.16
12" Flanged 4E Steel Filter (2800 GPM Max Flow)						
4E-12-30F	13150010	Orange - 30 mesh	1	640.0	MTO	\$19,979.81
4E-12-50F	13150011	Yellow - 50 mesh	1	640.0	MTO	\$19,979.81
4E-12-100F	13150007	Blue - 100 mesh	1	640.0		\$19,979.81
4E-12-150F	13150008	Black - 150 mesh	1	640.0	MTO	\$19,979.81
4E-12-200F	13150009	Red - 200 mesh	1	640.0	MTO	\$19,979.81



FILTERS

Note: 4E Epoxy Coated Steel Spin Clean Filters come complete with two flow plugs, one liquid filled pressure gauge and 3-way valve assembly, one air vent and one brass ball valve. All Steel Spin Clean Filters are packaged and crated for secure shipping. All screens are sintered 316 stainless steel mesh and 304 stainless steel perforated support screen.

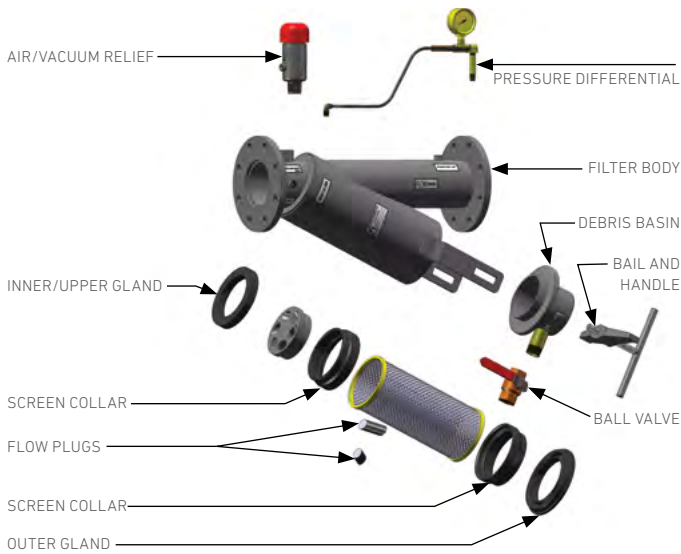
Steel Filter Dimensions

4E Steel Filter Screen Dimensions

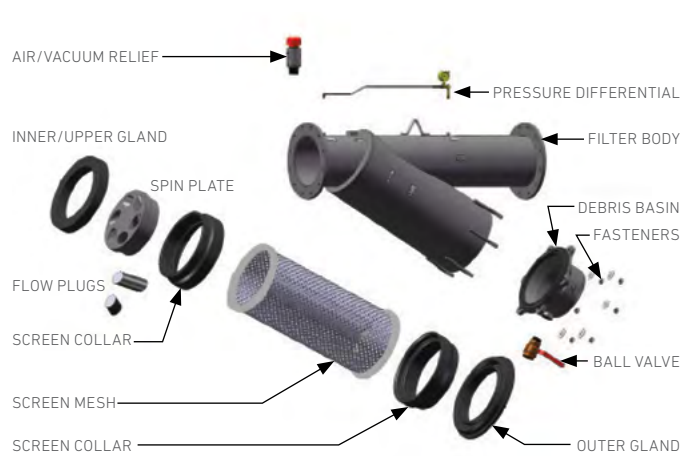
Size	Diameter		Length		Length with Collar	
	In	Cm	In	Cm	In	Cm
2" and 3"	5 3/8	13.65	9 1/4	23.50	N/A	N/A
4"	5 3/8	13.65	12	30.48	N/A	N/A
6"	6 3/8	16.19	16 5/8	42.39	N/A	N/A
6"- HF	9 3/8	23.81	19	48.26	21 1/2	54.61
8"	9 3/8	23.81	25 15/16	65.88	28 1/2	72.39
10"	14 1/2	36.83	28 15/16	73.50	31 9/16	80.17
12"	14 1/2	36.83	36 3/16	91.92	38 7/8	98.74

FILTERS

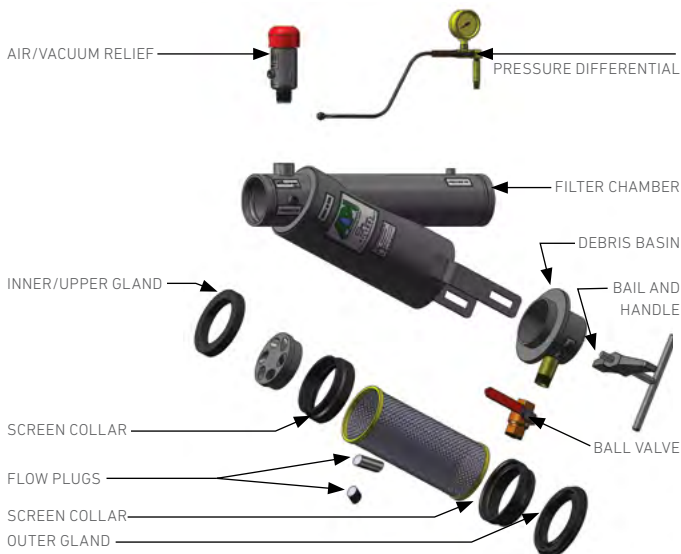
4E Steel Filter Flanged 2"-6"



4E Steel High Flow Filter Flanged 6" HD-12"



4E Steel Filter Flanged 2"-6"



Mesh Screens

Model #	Part #	Description	Box Qty.	Box Wt.	Stock Code	List Price
SS Replacement Screens: For 4E-2" and 4E-3"						
2-3-30M	13180033	Orange - 30 mesh screen	1	3.0		\$756.53
2-3-50M	13180045	Yellow - 50 mesh screen	1	3.0		\$756.53
2-3-100M	13180030	Blue - 100 mesh screen	1	3.0		\$756.53
2-3-150M	13180031	Black - 150 mesh screen	1	3.0		\$756.53
2-3-200M	13180032	Red - 200 mesh screen	1	3.0	MTO	\$756.53
SS Replacement Screens: For 4E-4"						
4-30M	13180061	Orange - 30 mesh screen	1	3.5		\$812.33
4-50M	13180063	Yellow - 50 mesh screen	1	3.5		\$812.33
4-100M	13180058	Blue - 100 mesh screen	1	3.5		\$812.33
4-150M	13180059	Black - 150 mesh screen	1	3.5		\$812.33
4-200M	13180060	Red - 200 mesh screen	1	3.5	MTO	\$812.33
SS Replacement Screens: For 4E-6"						
6-30M	13180080	Orange - 30 mesh screen	1	5.0		\$1,606.48
6-50M	13180081	Yellow - 50 mesh screen	1	5.0		\$1,606.48
6-100M	13180077	Blue - 100 mesh screen	1	5.0		\$1,606.48
6-150M	13180078	Black - 150 mesh screen	1	5.0		\$1,606.48
6-200M	13180079	Red - 200 mesh screen	1	5.0	MTO	\$1,606.48
SS Replacement Screens: For 4E-6" HF						
6HF-30M	13180091	Orange - 30 mesh screen	1	11.0	MTO	\$3,096.18
6HF-50M	13180092	Yellow - 50 mesh screen	1	11.0	MTO	\$3,096.18
6HF-100M	13180088	Blue - 100 mesh screen	1	11.0		\$3,096.18
6HF-150M	13180089	Black - 150 mesh screen	1	11.0		\$3,096.18
6HF-200M	13180090	Red - 200 mesh screen	1	11.0	MTO	\$3,096.18
SS Replacement Screens: For 4E-8"						
8-30M	13180110	Orange - 30 mesh screen	1	15.0	MTO	\$3,384.25
8-50M	13180111	Yellow - 50 mesh screen	1	15.0		\$3,384.25
8-100M	13180106	Blue - 100 mesh screen	1	15.0		\$3,384.25
8-150M	13180108	Black - 150 mesh screen	1	15.0		\$3,384.25
8-200M	13180109	Red - 200 mesh screen	1	15.0	MTO	\$3,384.25

Note: All 4E screens are manufactured with sintered 316 stainless steel mesh with 304 stainless screen perforated support screen. 80 and 120 Mesh SS Replacement Screens available on request.



FILTERS



Mesh Screens

Model #	Part #	Description	Box Qty.	Box Wt.	Stock Code	List Price
SS Replacement Screens for Steel Spin Clean Filters - 4E-10"						
10-30M	13180013	Orange - 30 mesh screen	1	25.0	MTO	\$4,500.23
10-50M	13180014	Yellow - 50 mesh screen	1	25.0	MTO	\$4,500.23
10-100M	13180001	Blue - 100 mesh screen	1	25.0		\$4,500.23
10-150M	13180011	Black - 150 mesh screen	1	25.0		\$4,500.23
10-200M	13180012	Red - 200 mesh screen	1	25.0	MTO	\$4,500.23
SS Replacement Screens for Steel Spin Clean Filters - 4E-12"						
12-30M	13180023	Orange - 30 mesh screen	1	29.0	MTO	\$5,169.81
12-50M	13180024	Yellow - 50 mesh screen	1	29.0	MTO	\$5,169.81
12-100M	13180020	Blue - 100 mesh screen	1	29.0	MTO	\$5,169.81
12-150M	13180021	Black - 150 mesh screen	1	29.0	MTO	\$5,169.81
12-200M	13180022	Red - 200 mesh screen	1	29.0	MTO	\$5,169.81

Note: All 4E screens are manufactured with sintered 316 stainless steel mesh and 304 stainless screen perforated support screen. 80 & 120 Mesh SS Replacement Screens available on request.



Steel Spin Clean Accessories

Model #	Part #	Description	Box Qty.	Box Wt.	Stock Code	List Price
Steel Spin Clean Filter Inner Gland						
A-IG	13180037	For 4E-2", 3", 4" & 5E-130-3"	1	2.0		\$33.98
B-IG	13180095	For 4E-6" & 5E-225-4"	1	2.0		\$42.81
C-IG	13180118	For 4E-6"HF, 8" & 5E-350-6", 550-6"	1	2.0		\$116.08
D-IG	13180004	For 4E-10", 12" & 5E-950-8", 1300-8"	1	5.0		\$157.02
Steel Spin Clean Filter Outer Gland						
A-OG	13180040	For 4E-2", 3", 4" & 5E-130-3"	1	2.0		\$33.98
B-OG	13180097	For 4E-6" & 5E-225-4"	1	2.0		\$46.52
C-OG	13180121	For 4E-6"HF, 8" & 5E-350-6", 550-6"	1	2.0		\$124.80
D-OG	13180007	For 4E-10", 12" & 5E-950-8", 1300-8"	1	5.0		\$163.51
Steel Spin Clean Filter Plastic Collar						
A-PC	13180043	For 4E-2", 3", 4"	1	2.0		\$37.04
A130-PC	13180150	For 5E-130-3"	1	2.0	MTO	\$92.59
B-PC	13180100	For 4E-6" & 5E-225-4"	1	2.0		\$40.15
C-PC	13180124	For 4E-6"HF, 8" & 5E-350-6", 550-6"	1	2.0		\$106.47
D-PC	13180010	For 4E-10", 12" & 5E-950-8", 1300-8"	1	2.0		\$168.70
Flow Plugs for 4E Filters						
2-FP	13180049	For 4E-2"	16	6.0	MTO	\$8.32
3-FP	13180055	For 4E-3"	16	6.0		\$8.32
4-FP	13180071	For 4E-4"	16	6.0		\$8.32
6-FP	13180087	For 4E-6"	16	6.0		\$6.64
6-HF-FP	13180093	For 4E-6"HF	16	6.0		\$61.71
8-FP	13180116	For 4E-8"	16	6.0		\$61.71
10-FP	13180016	For 4E-10"	16	6.0		\$61.71
12-FP	13180025	For 4E-12"	16	6.0	MTO	\$61.71



FILTERS



Steel Spin Clean Accessories

FILTERS

Model #	Part #	Description	Stock Code	List Price
4E Spin Plates				
2-SP	13180051	For 4E-2" (PVC)	MTO	\$358.15
3-SP	13180056	For 4E-3" (PVC)		\$373.73
4-SP	13180072	For 4E-4" (PVC)		\$386.76
6-SP	13180102	For 4E-6" (PVC)		\$433.42
6-HFSP	13180094	For 4E-6" with Cone (alum)	MTO	\$1,956.85
8-SP	13180126	For 4E-8" (alum)		\$639.75
10-SP	13180018	For 4E-10" (alum)	MTO	\$1,672.11
12-SP	13180027	For 4E-12" (alum)	MTO	\$2,015.24
4E Spin Plates with Sand Guard				
2-SPSG	13180053	For 4E-2" (PVC)	MTO	\$660.50
3-SPSG	13180057	For 4E-3" (PVC)	MTO	\$660.50
4-SPSG	13180073	For 4E-4" (PVC)	MTO	\$704.62
6-SPSG	13180103	For 4E-6" (PVC)	MTO	\$852.56
6HF-SPSG	13180005	For 4E-6" with Cone (alum)	MTO	\$1,777.78
8-SPSG	13180008	For 4E-8" (alum)	MTO	\$1,174.37
10-SPSG	13180015	For 4E-10" (alum)	MTO	\$1,746.63
12-SPSG	13180017	For 4E-12" (alum)	MTO	\$2,966.42
4E Debris Basin				
234-DB-CC	13180035	For 4E-2", 3", 4" (Coated)		\$1,099.11
6-DB-CC	13180086	For 4E-6" (Coated)	MTO	\$1,288.56
8-DB	13180114	For 4E-6HF and 4E-8" (alum)	MTO	\$1,877.69
10-12-DB	13180002	For 4E-10", 12" (alum)	MTO	\$3,594.97
4E Bale / Handle				
234-BH	13180034	Standard		\$308.84
6-BH	13180083	Large	MTO	\$420.44
4E Filter Automatic Purge Kit				
4E-APK	13280020	Includes Filtron PD Battery Operated Controller, 2" Hydraulic Y-Valve, Mount and Fittings		\$3,768.22
4E 3-Way Pressure Gauge Valve Kit Converts Dual Gauge to a Single Gauge with 3-Way Valve Kit (Pressure Gauge Not Included)				
3-WAY-KIT	13280002	Includes: 3-way valve, 1/4" x 3" nipple, 1/4" street elbow, two 1/4" tubing elbows, 250 x 170 PE tubing		\$245.94



SP-4



FILTERS

10-SP

JAIN Media Filter Systems

Media Filter System Features

- 5 Year Warranty with 20psi to 100psi operating range.
- High uniformity back wash provides efficient filtration and automatic cleaning.
- Exterior Epoxy and interior Polyester coating prevent abrasion and oxidation.
- Precision welded high strength carbon steel.
- Large maintenance ports provide easy access.

FILTERS



JAIN Media Filter Model Builder

Series	Tank Diameter	# of Tanks	Inlets and Outlets	Configuration	Controller	Solenoid	Voltage			
MFS	-	48	04	-	08	E	-	F4	G	12D
Base System						Controls				

Series:

MFS = Media Filter, Single chamber

Tank Diameter:

48", 36" or 24" (36" and 24" by special order)

of Tanks:

24"; 2 to 3 (by special order)

36"; 2 to 3 (by special order)

48"; 2 to 12 (additional tanks by special order)

Inlet and Outlet Size:

3" and 4" for 24" systems

4" and 6" for 36" systems

6", 8" and 10" for 48" End configurations

8", 10" and 12" for 48" T configurations

12", 14" and 16" for 48" H configurations

Configurations:

E = End fed systems

T = T fed systems

H = H fed systems

Controllers:

F3 = Alextronix F3, 3 tank controller

F4 = Alextronix F4, 4 tank controller

F8 = Alextronix F8, 8 tank controller

F12 = Alextronix F12, 12 tank controller

F16 = Alextronix F16, 16 tank controller

Solenoid:

G = GemSol, P = Parker

12D = 12VDC, 24A = 24VAC, 12L = 12V latching



JAIN Media Filtration Systems

Model #	Part #	Description	Dirty H ₂ O Min GPM	Clean H ₂ O Max GPM	Wt (lbs)	Vol (ft ³)	List Price
End Feed							
MFS-4802-06E-F3P12D	13640261362	JAIN Media Filter Sta w Cast Iron Single Chamber 48" Tanks (2), FV&C 6" SS End Feed manifold, FV&C backwash Valve, Alextronix Cntrl 12VDC Prkr	375	625	1,152	180	\$13,601.70
MFS-4803-06E-F3P12D	13640361362	JAIN Media Filter Sta w Cast Iron Single Chamber 48" Tanks (3), FV&C 6" SS End Feed manifold, FV&C backwash Valve, Alextronix Cntrl 12VDC Prkr	563	938	1,738	271	\$19,338.90
MFS-4804-08E-F4P12D	13640481362	JAIN Media Filter Sta w Cast Iron Single Chamber 48" Tanks (4), FV&C 8" SS End Feed manifold, FV&C backwash Valve, Alextronix Cntrl 12VDC Prkr	750	1,250	2,390	371	\$27,315.70
T Feed Systems							
MFS-4804-10T-F4P12D	1364040236	JAIN Media Filter Sta w Cast Iron Single Chamber 48" Tanks (4), FV&C 10" SS Center Feed manifold, FV&C backwash Valve, Alextronix Cntrl 12VDC Prkr	750	1,250	2,389	370	\$27,366.47
MFS-4805-10T-F8P12D	1364050236	JAIN Media Filter Sta w Cast Iron Single Chamber 48" Tanks (5), FV&C 10" SS Center Feed manifold, FV&C backwash Valve, Alextronix Cntrl 12VDC Prkr	938	1,563	2,974	461	\$32,917.20
MFS-4806-10T-F8P12D	1364060236	JAIN Media Filter Sta w Cast Iron Single Chamber 48" Tanks (6), FV&C 10" SS Center Feed manifold, FV&C backwash Valve, Alextronix Cntrl 12VDC Prkr	1,125	1,875	3,560	553	\$38,468.00
H Feed Systems							
MFS-4807-12H-F8P12D	1364070236	JAIN Media Filter Sta w Cast Iron Single Chamber 48" Tanks (7), FV&C 12" SS H Feed manifold, FV&C backwash Valve, Alextronix Cntrl 12VDC Prkr	1,313	2,188	4,330	664	\$51,685.20
MFS-4808-12H-F8P12D	1364080236	JAIN Media Filter Sta w Cast Iron Single Chamber 48" Tanks (8), FV&C 12" SS H Feed manifold, FV&C backwash Valve, Alextronix Cntrl 12VDC Prkr	1,500	2,500	4,915	755	\$57,422.00
MFS-4809-14H-F12P12D	1364090236	JAIN Media Filter Sta w Cast Iron Single Chamber 48" Tanks (9), FV&C 14" SS Center Feed manifold, FV&C backwash Valve, Alextronix Cntrl 12VDC Prkr	1,688	2,813	5,853	872	\$71,299.00
MFS-4810-14H-F12P12D	1364100236	JAIN Media Filter Sta w Cast Iron Single Chamber 48" Tanks (10), FV&C 14" SS Center Feed manifold, FV&C backwash Valve, Alextronix Cntrl 12VDC Prkr	1,875	3,125	6,457	965	\$77,617.05
MFS-4811-14H-F12P12D	1364110236	JAIN Media Filter Sta w Cast Iron Single Chamber 48" Tanks (11), FV&C 14" SS Center Feed manifold, FV&C backwash Valve, Alextronix Cntrl 12VDC Prkr	2,963	3,438	7,061	1,059	\$79,937.00
MFS-4812-14H-F12P12D	1364120236	JAIN Media Filter Sta w Cast Iron Single Chamber 48" Tanks (12), FV&C 14" SS Center Feed manifold, FV&C backwash Valve, Alextronix Cntrl 12VDC Prkr	2,250	3,750	7,665	1,153	\$90,250.65

- Use design flow and water quality to select system.
- Maximum flow is for very clean water. Minimum flow is for very dirty water.
- If using maximum flow up-sizing manifold should be considered.
- No Gravel Pack required, Media not included
- 19 cu-ft of media per 48" tank
- System companion kits on next page

FILTERS

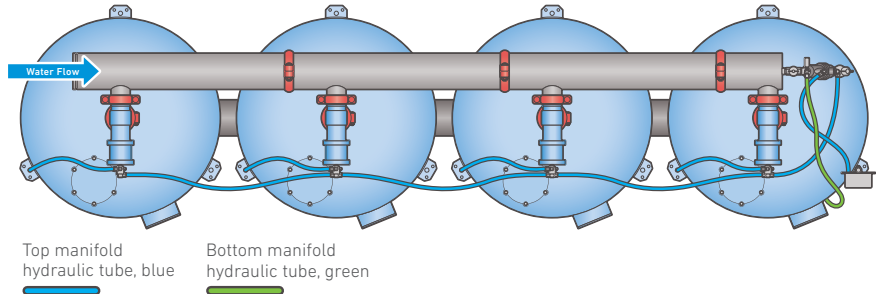
JAIN Media Filtration Systems

JAIN offers 12 standard Media Filtration Systems available in 3 different configurations.

End Feed Configuration

Footprint

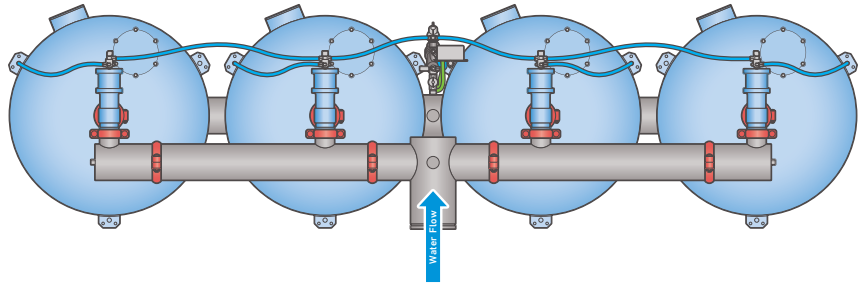
- Width = 52"
- Length = # of Tanks x 52"



Center Feed "T" Configuration

Footprint

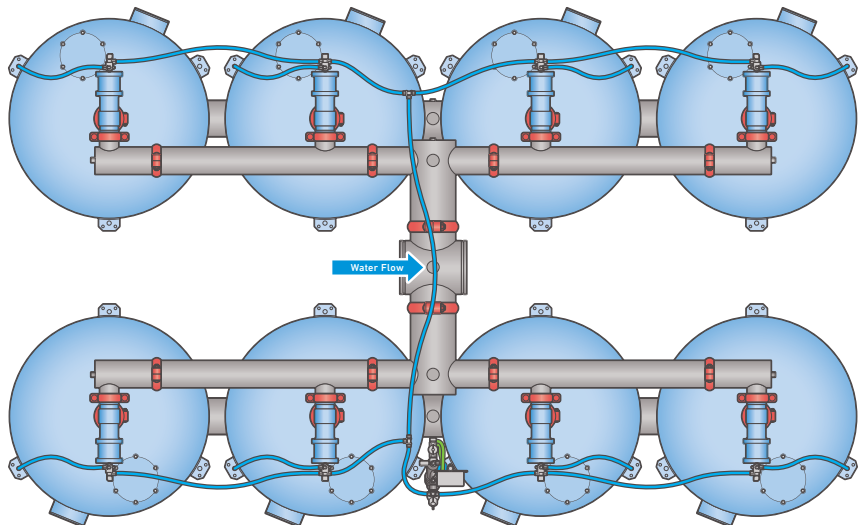
- Width = 52"
- Length = # of Tanks x 52"



"H" Configuration

Footprint

- Width = 124"
- Length = # of Tanks x 52"



Sizing A System by Water Quality

- Start by rating your water quality from 1 to 10, 10 being very clean.
- On the table to the right locate your water's rating. Note the Divider number below your rating.
- Divide the systems flow by the Divider number selected.
- Round up to the nearest whole number and this is how many tanks are recommended.

Water Quality Rating Chart

Rating	1	2	3	4	5	6	7	8	9	10
Divider	188	200	213	225	238	250	263	275	288	300

Example: Water quality rating of 3 gives a divider of 213. If design flow is 1250gpm. $1250 \div 213 = 5.9$, use 6 Tanks

JAIN Media Filtration Kits

Component Reference

Item	Part #	Catalog Section
Y-Filters and Screens	72130115	See Plastic Filters section. Specify 4EH-3/4B-100
Gauges	12070347	See Tools and Accessories section, Specify LFG-100
PE Tubing; Tank to Tank	11190624	See Hydraulic Valve section. 375x250-750PE 15'/tank
PE Tubing; TOK to Cntrl	11190737	See Hydraulic Valve section. 315x208-1000PE 15'/TOK
Air Vents	12090020	See Pressure Regulators and Air Vents Section, specify ARV-2 1/E or T System, 2/H System
Pressure Relief Valve	14109199	See Hydraulic Valve section specify. A020Gh-PSs 1/E or T SYS, 2/T Sys
Restricting valve	12220271	See Valve section, specify BGV-040



BGV-040 and MFS-4



A020Gh-PSs



ARV-2

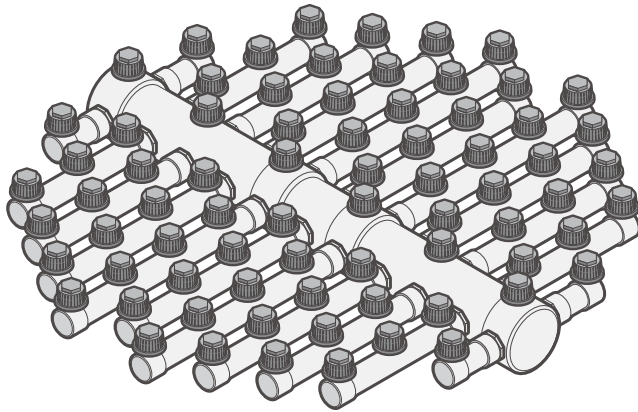


C060Fh-MPSs

Jain Media Filtration Components

Model #	Part #	Description	Wt (lbs)	L (in)	H (in)	W (in)	List Price
Components							
JMCS4816	13600004	MF Tnk Stl Coated Sngl Chmbr 48"	470	52	55	52	\$4,180.90
BW Vlv 4F	33049006	FV&C BW Vlv 4"x4"x4" (1/Tnk)	30	15.5	6.75	8	\$1,022.28
ALEX-F3	13350103	Alex F3 Controller (1/Sys)	9	8	8	5	\$3,530.00
ALEX-F4	13350104	Alex F4 Controller(1/Sys)	9	8	8	5	\$4,027.89
ALEX-F8	13350108	Alex F8 Controller (1/Sys)	9	8	8	5	\$4,556.03
ALEX-F12	13350112	Alex F12 Controller (1/Sys)	15	13	10	5	\$5,569.49
ALEX-F16	13350116	Alex F16 Controller (1/Sys)	15	13	10	5	\$6,397.39
P12D	13350256	Parker 12 VDC Solenoid Kit (1/Tnk)	1.6	4	3	3	\$835.69
P24A	13350254	Parker 24VAC Solenoid Kit (1/Tnk)	1.6	4	3	3	\$720.20
P12L	13350252	Parker 12V Ltch Solenoid kit (1/Tnk)	1.6	4	3	3	\$835.69
MF TOK	33049071	Media Filter Take off Kit (1/Sys)	2.8	12	8	4	\$440.41
MF Mn STB06x4 SS	13350432	MF Mfold Stub 6x4 SS	9	15	10	7	\$650.79
MF MN STB08x4 SS	13350433	MF Mfold Stub 8x4 SS	12	15	12	9	\$901.36
MF MN STB10x4 SS	13350434	MF Mfold Stub 10x4 SS	15	15	14	11	\$1,091.50
GBE6x4SS	33049065	MF Mfold GBE 6x4 SS	25	52	10	7	\$941.91
GBE8x4SS	13350279	MF Mfold GBE 8x4 SS	32	52	12	9	\$857.24
GBE10x4SS	13350273	MF Mfold GBE 10x4 SS	40	52	14	11	\$1,830.28
MT6x8SS	13350226	MF Mfold T6x8SS	35	22	14	30	\$2,326.61
MT8x10SS	13350293	MF Mfold T8x10SS	45	23	16	30	
MT10x12SS	13350289	MF Mfold T10x12SS	54	24	18	30	\$2,446.64
XOT8x12	13350286	MF Mfold XoT8x12SS	50	40	15	20	\$2,221.59
XOT10x14	13350446	MF Mfold XoT10x14SS	80	40	17	22	\$2,946.83
XOT12x16	13350447	MF Mfold XoT12x16SS	95	40	19	24	\$3,444.25
EL45 6x2	13350420	MF Mfold EL 45 Vnt 6x2	10	12	11	7	\$636.72
EL45 8x2	13350421	MF Mfold EL 45 Vnt 8x6	15	14	13	9	\$838.66
EL45 10x2	13350422	MF Mfold EL 45 Vnt 10x6	20	15	16	11	\$1,147.50

FILTERS



MFUD48



BW Vlv 4F

Jain Media Filtration Parts

FILTERS

Model #	Part #	Description	Wt (lbs)	L (in)	H (in)	W (in)	ListPrice
Parts							
GC-2	13350322	Clamp Irn Grv 2" cmplt	1.8	5.08	1.85	3.31	\$41.78
GC-3	13350321	Clamp Irn Grv 3" cmplt	2.8	6.46	2.05	5.07	\$29.88
GC-4	13350320	Clamp Irn Grv 4" cmplt	4.1	7.76	2.05	5.71	\$38.24
GC-6	13350326	Clamp Irn Grv 6" cmplt	10.55	2.09	7.87	7.87	\$66.60
GC-8	13350328	Clamp Irn Grv 8" cmplt	12.8	13.27	2.44	10.24	\$109.23
GC-10	13350329	Clamp Irn Grv 10" cmplt	18	13.78	2.56	13.5	\$286.78
GC-12	13350323	Clamp Irn Grv 12" cmplt	23.8	15.75	2.56	15.35	
GC-14	13350324	Clamp Irn Grv 14" cmplt	34.5	19.8	2.95	16.23	
GC-16	13350325	Clamp Irn Grv 16" cmplt	37	21.85	2.95	18.23	
GN-2P	12292009	Ftg PVC SCH80 Adpt PE x Grv 2"	0.34	4	2.5	2.5	\$19.74
GN-3P	12292010	Ftg PVC SCH80 Adpt PE x Grv 3"	0.7	4	3.5	3.5	\$25.72
32-09308040	12292011	Ftg PVC SCH80 Adpt PE x Grv 4"	1	6	4.5	4.5	\$28.71
32-09328060	12292013	Ftg PVC SCH80 Adpt PE x Grv 6"	1.75	6	6.7	6.7	\$66.30
32-09328080	12292014	Ftg PVC SCH80 Adpt PE x Grv 8"	2.7	6	8.7	8.7	\$98.91
32-09328100	12292015	Ftg PVC SCH80 Adpt PE x Grv 10"	4	7.5	10.5	10.5	\$136.26
GN-14P	12292021	Ftg PVC SCH80 Adpt PE x Grv 14"	7	8	14	14	
GN-16P	12292022	Ftg PVC SCH80 Adpt PE x Grv 16"	10	10	16	16	
GMA-3S	12292016	Ftg PVC SCH80 Adpt MIPT x Grv 2"	0.34	4	2.5	2.5	\$72.94
GP-6P	33049186	Ftg PVC End Plate Grv 6" CL100	0.7	6.7	0.7	6.7	
CAP-4P	33049044	Ftg PVC Cap fipt 4" CL100	0.75	3	4.5	4.5	
LID-8	33049040	MF LID 8" EPX Carbon Steel	6	9	0.4	9	\$227.09
LID-10	33049038	MF LID 10" EPX Carbon Steel	9	11	0.4	11	\$227.09
LID-G8	33049041	MF LID, Gasket 8"	0.25	4	0.4	4	
LID-G10	33049042	MF LID, Gasket 10"	0.25	5	0.4	5	
MFST-4	33049050	MF Sight Tube 4"	2	12	4.5	4.5	\$669.59
FPFA-4P	12292050	Ftg PVC SCH40 FA 4"	1.2	6	5	5	\$13.92
FPMA-4P	12292051	Ftg PVC SCH40 MA 4"	1.2	6	5	5	\$13.38
FPTEE-4P	12292052	Ftg PVC SCH40 T slip 4"	2.35	9	5	7	\$35.22
FPEL-4P	12292053	Ftg PVC SCH40 EL slip 4"	1.8	7	5	7	\$23.42
PP-4x46	12292035	Pipe PVC IPS CL100 SW 4"	4	46	4.5	4.5	\$37.67
PP-2x46	12292036	Pipe PVC IPS CL100 SW 2"	2.4	46	2.5	2.5	\$11.07
FPEL-2P	12292043	Ftg PVC SCH40 EL slip 2"	0.5	5	2.5	2.5	\$15.10
FPMA-2P	12292041	Ftg PVC Sch40 MA 2"	0.3	2.5	2.5	2.5	\$3.02
MFSHRM	13350360	MF Diffuser	0.07	2.8	2.22	2.22	\$28.35
MFUD48	13350050	MF Under-drain 48" Kit less diffusers	24	44	6	12	
LID-BWK	13350060	MF LID, Bolt/Washer Kit (one per hole)	0.25	1	1	1	
MF-CMA	33040022	MF Controller Mount	2	30	12	2	\$542.37
MFWR18-7	13350222	MF DB Irr Cable 22 AWG 7 (10'/tank) 300'/roll	12	8	6	6	\$1.04
MFWRC3-18	13350223	MF Wire Connector 3-18	0.01	0.25	0.2	0.3	\$0.77
ElcMA	13350490	Elec Conduit Ftg MA 1/2"	0.1	0.25	0.30	0.20	\$1.95
ElcCDIT	13350491	Elec Flex Conduit 1/2" (20'coil)	2	16	4	16	\$92.71
ElcCDIT	13350492	Elec Conduit T Junction Box 1/2"	0.2	3	1	2	\$11.07



GC-6



MFSHRM



TABLE OF CONTENTS

- F-02** Super 10
- F-04** Mini Revolver
- F-06** 1/2" Plastic Impacts
- F-08** 3/4" Plastic Impacts
- F-09** Metal Impacts
- F-10** Field Stands

Super 10

Model #	Part #	Description	Box Qty	Stock Code	List Price
Super 10 Revolver Low Angle, 14 Degree: Unregulated					
S10-NON-14-VT	17135744	Violet, 1.5 GPM @ 35 PSI, 55 ft	200	MTO	\$13.31
S10-NON-14-YW	17135746	Yellow, 1.9 GPM @ 35 PSI, 65 ft	200	MTO	\$13.31
S10-NON-14-GN	17135742	Green, 2.4 GPM @ 35 PSI, 65 ft	200	MTO	\$13.31
S10-NON-14-RD	17135747	Red, 2.9 GPM @ 35 PSI, 68 ft	200	MTO	\$13.31
Super 10 Revolver Low Angle, 14 Degree: Regulated (Gray Base)					
S10-REG-14-VT	17136744	Violet, 1.5 GPM @ 35 PSI, 55 ft	200	MTO	\$16.67
S10-REG-14-YW	17136746	Yellow, 1.9 GPM @ 35 PSI, 65 ft	200	MTO	\$16.67
S10-REG-14-GN	17136742	Green, 2.4 GPM @ 35 PSI, 65 ft	200	MTO	\$16.67
S10-REG-14-RD	17136747	Red, 2.9 GPM @ 35 PSI, 68 ft	200	MTO	\$16.67
Super 10 Revolver, 25 Degree: Unregulated					
S10-NON-25-BE	17135443	Blue, 1.5 GPM @ 35 PSI, 55 ft	200	MTO	\$13.31
S10-NON-25-YW	17135446	Yellow, 1.9 GPM @ 35 PSI, 65 ft	200	MTO	\$13.31
S10-NON-25-GN	17135442	Green, 2.4 GPM @ 35 PSI, 65 ft	200	MTO	\$13.31
S10-NON-25-RD	17135447	Red, 2.9 GPM @ 35 PSI, 68 ft	200	MTO	\$13.31
S10-NON-25-BN	17135440	Brown, 1.4 GPM @ 35 PSI (For use with Road Protector)		MTO	\$13.31
Super 10 Revolver, 25 Degree: Regulated (Gray Base)					
S10-REG-25-VT	17136443	Blue, 1.5 GPM @ 35 PSI, 55 ft	200	MTO	\$16.67
S10-REG-25-YW	17136446	Yellow, 1.9 GPM @ 35 PSI, 65 ft	200	MTO	\$16.67
S10-REG-25-GN	17136442	Green, 2.4 GPM @ 35 PSI, 65 ft	200	MTO	\$16.67

Note: Please call for Super 10 availability and lead times



S10-NON-14-RD



S10-NON-25-GN



S10-REG-25-YE

Super 10

Model #	Part #	Description	Stock Code	List Price
Super 10 Nozzles				
S10-BN-NZ	17035100	Brown, 1.4 GPM (For use with Road Protector)	MTO	\$1.09
S10-BE-NZ	17035103	Blue, 1.5 GPM for 25°	MTO	\$1.09
S10-VT-NZ	17035104	Violet, 1.5 GPM for 14°	MTO	\$1.09
S10-YW-NZ	17035106	Yellow, 1.9 GPM	MTO	\$1.09
S10-GN-NZ	17035102	Green, 2.4 GPM	MTO	\$1.09
S10-RD-NZ	17035107	Red, 2.9 GPM	MTO	\$1.09
Super 10 Swirl Inlets				
S10-BE-SI	17031303	for Blue and Violet Nozzle	MTO	\$2.34
S10-YW-SI	17031306	for Yellow Nozzle	MTO	\$2.34
S10-GN-SI	17031302	for Green Nozzle	MTO	\$2.34
S10-RD-SI	17031307	for Red Nozzle	MTO	\$2.34
Super 10 Components				
S10-COVER	17035600	Cover	MTO	\$1.31
S10-NON-B	17031550	1/2" Black Base for Non-Regulated	MTO	\$1.92
S10-REG-B	17031559	1/2" Gray Base for Regulated	MTO	\$1.92
S10-PLATE	17033001	Regulator Plate	MTO	\$1.09
S10-R-DPH	17030420	Diaphragm	MTO	\$0.90
S10-BALL	17030045	5/16" Stainless Ball	MTO	\$1.10
S10-CUSH	17030047	Cushion	MTO	\$0.24
S10-CWASH	17033401	Ceramic Washer	MTO	\$1.15
S10-BWASH	17031408	Buna Washer	MTO	\$0.95
S10-14-BODY	17035017	Nozzle Body 14°	MTO	\$2.21
S10-25-BODY	17035010	Nozzle Body 25°	MTO	\$2.21
S10-NOZ-B	17035050	Nozzle Base	MTO	\$0.59
S10-WRENCH	17030050	Wrench for Super 10	MTO	\$3.51
S10-RP	17035800	Road Guard Protector	MTO	\$2.06

Please call for Super 10 availability and lead times

Super 10 Nozzle



S10-XX-NZ

Super 10 Swirl Inlets



S10-XX-SI

Super 10 Components



S10-COVER



S10-NON-B and S10-RE-B



S10-PLATE



S10-R-DPH



S10-BALL



S10-CUSH



S10-CWASH



S10-BWASH



S10-14-BODY



S10-NOZ-B



S10-WRENCH



S10-RP

Mini Revolver

Model #	Part #	Description	Box Qty	Stock Code	List Price
Mini Revolver 16: Unregulated- Black Base					
MR-NON-BR*	18047341	Brown 27 GPH @ 35PSI, 42 ft Diameter			\$9.56
MR-NON-BE	18047343	Blue 35 GPH @ 35 PSI, 46 ft Diameter	200		\$9.56
MR-NON-YW	18047346	Yellow 47 GPH @ 35 PSI, 48 ft Diameter	200	MTO	\$9.56
MR-NON-VT	18047344	Violet 59 GPH @ 35 PSI, 51 ft Diameter	200	MTO	\$9.56
MR-NON-BK	18047348	Black 71 GPH @ 35 PSI, 52 ft Diameter	200	MTO	\$9.56
MR-NON-OE	18047345	Orange 47 GPH @ 35 PSI, 39 ft Diameter (low angle)	200	MTO	\$9.56
MR-NON-RD	18047347	Red 59 GPH @ 35 PSI, 42 ft Diameter (low angle)	200	MTO	\$9.56
Mini Revolver 16: Regulated- Gray Base					
MR-REG-BE	18047443	Blue 35 GPH @ 35 PSI, 46 ft Diameter	200	MTO	\$11.47
MR-REG-YW	18047446	Yellow 47 GPH @ 35 PSI, 48 ft Diameter	200		\$11.47
MR-REG-VT	18047444	Violet 59 GPH @ 35 PSI, 51 ft Diameter	200	MTO	\$11.47
MR-REG-BK	18047448	Black 71 GPH @ 35 PSI, 52 ft Diameter	200	MTO	\$11.47
MR-REG-OE	18047445	Orange 47 GPH @ 35 PSI, 39 ft Diameter (low angle)	200	MTO	\$11.47
MR-REG-RD	18047447	Red 59 GPH @ 35 PSI, 42 ft Diameter (low angle)	200	MTO	\$11.47



SPRINKLERS

Mini Revolver

Model #	Part #	Description	Box Qty	Stock Code	List Price
Mini Revolver 16 Nozzles					
MR-BE-NZ	17047102	Blue 35 GPH Mini Revolver Nozzle		MT0	\$0.80
MR-YW-NZ	17047106	Yellow 47 GPH Mini Revolver Nozzle		MT0	\$0.80
MR-VT-NZ	17047104	Violet 59 GPH Mini Revolver Nozzle		MT0	\$0.80
MR-BK-NZ	17047108	Black 71 GPH Mini Revolver Nozzle		MT0	\$0.80
MR-OE-NZ	17047105	Orange 47 GPH (low angle) Mini Revolver Nozzle		MT0	\$0.80
MR-RD-NZ	17047107	Red 59 GPH (low angle) Mini Revolver Nozzle		MT0	\$0.80
Mini Revolver 16 Components					
MR-NON-B	17040552	1/2" Black Base		MT0	\$2.22
MR-REG-B	17040559	1/2" Gray Base for Regulated		MT0	\$2.22
MR-COVER	17041600	Cover		MT0	\$0.85
MR-ORING	17043001	Base O-Ring		MT0	\$0.36
MR-BE-APT	17041353	Blue Adapter - For Blue Nozzle		MT0	\$1.10
MR-OE-APT	17041355	Orange Adapter - For Orange and Yellow Nozzle		MT0	\$1.10
MR-RD-APT	17041357	Red Adapter - For Red and Violet Nozzle		MT0	\$1.10
MR-BK-APT	17041358	Black Adapter - For Black Nozzle		MT0	\$1.10
MR-NON-APT	17041350	Adapter for Non-Regulated Sprinklers		MT0	\$1.10
MR-BE-ENG	17041303	Blue Engine Base - For Blue Nozzle		MT0	\$1.10
MR-OE-ENG	17041305	Orange Engine Base - For Orange and Yellow Nozzle		MT0	\$1.10
MR-RD-ENG	17041307	Red Engine Base - For Red and Violet Nozzle		MT0	\$1.10
MR-BK-ENG	17041308	Black Engine Base - For Black Nozzle		MT0	\$1.10
MR-BALL	17040001	Stainless Ball		MT0	\$0.91
MR-SEAL	17040410	Body Seal		MT0	\$0.59
MR-R-DPH	17040400	Regulating Diaphragm		MT0	\$0.90
MR-RP	17043005	Road Protector		MT0	\$1.51
MR-ENG	17043502	Engine Body		MT0	\$0.51
MR-BWASH	17040412	Buna Washer		MT0	\$1.10
MR-CWASH	17043400	Ceramic Washer		MT0	\$1.07
MR-NT	17041128	Nozzle Tube		MT0	\$1.06



SPRINKLERS

1/2" Plastic Impacts

SPRINKLERS

Model #	Part #	Description	Box Qty	Box Wt	Stock Code	List Price
429 AG — 1/2" Male Base, Full and Part Circle, 26 Degree						
429AG-S14	16047623	#14 Nozzle (7/64", 2.8 mm) Orange	125	17.9		\$20.07
429AG-S15	16047633	#15 Nozzle (15/128", 3.0 mm) Red	125	17.9	MTO	\$20.07
429AG-S16	16047643	#16 Nozzle (1/8", 3.2 mm) Green	125	17.9		\$20.07
429AG-S18	16047653	#18 Nozzle (9/64", 3.5 mm) Blue	125	17.9	MTO	\$20.07
429AG-S20	16047663	#20 Nozzle (5/32", 4.0 mm) Black	125	17.9		\$20.07
429AG-RD-WO	16046010	429 without Nozzle, Red Sleeve for 7/64" and smaller nozzles	125	17.9	MTO	\$20.07
429AG-BK-WO	16046510	429 without Nozzle, Black Sleeve for 15/128" and larger nozzles	125	17.9	MTO	\$20.07
5022 SD — 1/2" Male Base, Full Circle, 25 Degree						
5022 - Single Bayonet Constructed Nozzle						
5022SD-S12	16052701	#12 Nozzle (3/32", 2.5 mm) Purple	100	11.0	MTO	\$17.63
5022SD-S14	16052702	#14 Nozzle (7/64", 2.8 mm) Orange	100	11.0		\$17.63
5022SD-S15	16052703	#15 Nozzle (15/128", 3.0 mm) Red	100	11.0	MTO	\$17.63
5022SD-S16	16052704	#16 Nozzle (1/8", 3.2 mm) Green	100	11.0	MTO	\$17.63
5022SD-S18	16052705	#18 Nozzle (9/64", 3.5 mm) Blue	100	11.0		\$17.63
5022SD-S20	16052706	#20 Nozzle (5/32", 4.0 mm) Black	100	11.0		\$17.63
5022 SD — 1/2" Male Base, Full Circle, 25 Degree						
5022 - Dual Bayonet Constructed Nozzles						
5022SD-D12	16052711	#12 Nozzle (3/32", 2.5 mm) Purple x Lt. Green	100	11.0	MTO	\$17.63
5022SD-D14	16052712	#14 Nozzle (7/64", 2.8 mm) Orange x Lt. Green	100	11.0	MTO	\$17.63
5022SD-D15	16052713	#15 Nozzle (15/128", 3.0 mm) Red x Lt. Green	100	11.0	MTO	\$17.63
5022SD-D16	16052714	#16 Nozzle (1/8", 3.2 mm) Green x Lt. Green	100	11.0	MTO	\$17.63
5022SD-D18	16052715	#18 Nozzle (9/64", 3.5 mm) Blue x Lt. Green	100	11.0	MTO	\$17.63
5022SD-D20	16052716	#20 Nozzle (5/32", 4.0 mm) Black x Lt. Green	100	11.0	MTO	\$17.63
5022 SD — 1/2" Male Base, Full Circle, 25 Degree						
5022 without Nozzles						
5022SD-RD-BE-WO	16052701	5022 without Nozzle Red Sleeve for 7/64 and smaller Sprinkler	100	11.0	MTO	\$17.63
5022SD-BK-BE-WO	16052722	5022 without Nozzle Black Sleeve for 15/128 Single and larger Sprinkler	100	11.0		\$17.63
5022SD-BK-BK-WO	16052720	5022 without Nozzle Black Sleeve for 15/128 Dual and larger Sprinkler	100	11.0	MTO	\$17.63



429AG-S14



5022SD-S12



5022SD-D12

1/2" Plastic Impacts

Model #	Part #	Description	Box Qty	Box Wt	Stock Code	List Price
5024 Wedge Drive — 1/2" Male Base, Full Circle						
5024WD-S09	16052652	#9 Nozzle (9/28", 1.8 mm) Light Green	125	13	MTO	\$17.63
5024 SD — 1/2" Male Base, Full Circle: 12 Degree						
5024SD-12-S12	16052551	#12 Nozzle (3/32", 2.5 mm) Purple	125	13		\$17.63
5024SD-12-S14	16052552	#14 Nozzle (7/64", 2.8 mm) Orange	125	13		\$17.63
5024SD-12-S15	16052553	#15 Nozzle (15/128", 3.0 mm) Red	125	13	MTO	\$17.63
5024SD-12-S16	16052554	#16 Nozzle (1/8", 3.2 mm) Green	125	13	MTO	\$17.63
5024SD-12-S18	16052555	#18 Nozzle (9/64", 3.5 mm) Blue	125	13	MTO	\$17.63
5024 without Nozzles						
5024SD-RD-WO	16052530	5024 without Nozzle, Red Sleeve for 7/64" and smaller nozzles	125	13	MTO	\$17.63
5024SD-BK-WO	16052500	5024 without Nozzle, Black Sleeve for 15/128" and larger nozzles	125	13	MTO	\$17.63
Plastic Impact Nozzles: 429/5022 SD/5024 SD Nozzles						
5022-12-NZ	17582251	#12 Nozzle (3/32", 2.5 mm) Purple	100	1200	MTO	\$1.92
5022-14-NZ	17582281	#14 Nozzle (7/64", 2.8 mm) Orange	100	1200		\$1.92
5022-15-NZ	17582301	#15 Nozzle (15/128", 3.0 mm) Red	100	1200	MTO	\$1.92
5022-16-NZ	17582321	#16 Nozzle (1/8", 3.2 mm) Green	100	1200		\$1.92
5022-18-NZ	17582351	#18 Nozzle (9/64", 3.5 mm) Blue	100	1200	MTO	\$1.92
5022-20-NZ	17582401	#20 Nozzle (5/32", 4.0 mm) Black	100	1200		\$1.92
5022-09-RNZ	17583181	#9 Rear Slotted Nozzle (9/128", 1.8 mm) Light Green	100	1200	MTO	\$1.92
5022-BK-PLUG	17582001	Gray Rear Plug	100	1200		\$1.92
Plastic Impact Nozzles: 5024 (Non SD) Low Angle Nozzles						
5024-9-12-NZ	17584251	#12 Nozzle (3/32", 2.5 mm) 5024 9° Purple	100	1200	MTO	\$1.92
5024-9-14-NZ	17584281	#14 Nozzle (7/64", 2.8 mm) 5024 9° Orange	100	1200	MTO	\$1.92
5024-9-15-NZ	17584301	#15 Nozzle (64/128", 3.0 mm) 5024 9° Red	100	1200	MTO	\$1.92
5024-9-16-NZ	17584321	#16 Nozzle (1/8", 3.2 mm) 5024 9° Green	100	1200	MTO	\$1.92
Plastic Impact Nozzles: 5024 (Non SD) High Angle Nozzles						
5024-14-12-NZ	17581251	#12 Nozzle (3/32" 2.5 mm) 14° Purple	100	1200	MTO	\$1.92
5024-14-14-NZ	17581281	#14 Nozzle (7/64" 2.8 mm) 14° Orange	100	1200	MTO	\$1.92
5024-14-15-NZ	17581321	#15 Nozzle (15/128" 3.0 mm) 14° Red	100	1200	MTO	\$1.92
5024-14-16-NZ	17581351	#16 Nozzle (1/8" 3.2 mm) 14° Green	100	1200	MTO	\$1.92
Plastic Impact Nozzles: 5024 Wedge Drive Nozzles						
5024-WD-09-NZ	17582181	#9 Nozzle (9/128", 1.8 mm) 5024 WD Light Green	100	1200	MTO	\$1.92
5024-WD-10-NZ	17582201	#10 Nozzle (5/64", 2.0 mm) 5024 WD White	100	1200	MTO	\$1.92
5024-WD-11-NZ	17582221	#11 Nozzle (11/128", 2.2 mm) 5024 WD Brown	100	1200	MTO	\$1.92



5024SD-12-S15



5022-12-NZ

3/4" Plastic Impacts

SPRINKLERS

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Stock Code	List Price
5035 SD — 3/4" Male Base, Single Bayonet Constructed Nozzle, 25 Degree Full Circle, Single Bayonet Constructed Nozzle							
5035SD-S18	16053502	#18 Nozzle (9/64", 3.5 mm) Blue		45	13	MTO	\$24.84
5035SD-S20	16053503	#20 Nozzle (5/32", 4.0 mm) Black		45	13	MTO	\$24.84
5035SD-S22	16053504	#22 Nozzle (11/64", 4.5 mm) Brown		45	13	MTO	\$24.84
5035SD-S25	16053505	#25 Nozzle (25/128", 5.0 mm) Purple		45	13	MTO	\$24.84
5035SD-S28	16053506	#28 Nozzle (7/32", 5.5 mm) Orange		45	13	MTO	\$24.84
5035SD-S30	16053507	#30 Nozzle (15/64", 6.0 mm) Red		45	13	MTO	\$24.84
5035 SD — 3/4" Male Base, Single Bayonet Constructed Nozzle, 25 Degree Part Circle, Single Bayonet Constructed Nozzle							
5035SD-PC-S18	16053602	#18 Nozzle (9/64", 3.5 mm) Blue		45	13	MTO	\$33.13
5035SD-PC-S20	16053603	#20 Nozzle (5/32", 4.0 mm) Black		45	13	MTO	\$33.13
5035SD-PC-S22	16053604	#22 Nozzle (11/64", 4.5 mm) Brown		45	13	MTO	\$33.13
5035SD-PC-S25	16053605	#25 Nozzle (25/128", 5.0 mm) Purple		45	13	MTO	\$33.13
5035 SD — 3/4" Male Base, Single Bayonet Constructed Nozzle, 25 Degree 5035 without Nozzle							
5035SD-RD-WO	16053501	Red Sleeve for 5/32" and smaller nozzles		45	13	MTO	\$24.84
5035SD-BK-WO	16053510	Black Sleeve for 11/64" and larger nozzles		45	13	MTO	\$24.84
5035 SD — 3/4" Male Base, Full Circle, Dual Bayonet Constructed Nozzles, 25 Degree							
5035SD-D18	16053512	#18 (9/64", 3.5 mm) Blue Nozzle x 3/32" Nozzle		45	13	MTO	\$24.84
5035SD-D20	16053513	#20 (5/32", 4.0 mm) Black Nozzle x 3/32" Nozzle		45	13	MTO	\$24.84
5035SD-D22	16053514	#22 (11/64", 4.5 mm) Brown Nozzle x 3/32" Nozzle		45	13	MTO	\$24.84
5035SD-D25	16053515	#25 (25/128", 5.0 mm) Purple Nozzle x 3/32" Nozzle		45	13	MTO	\$24.84
5035SD-D28	16053516	#28 (7/32", 5.5 mm) Orange Nozzle x 3/32" Nozzle		45	13	MTO	\$24.84
5035SD-D30	16053517	#30 (15/64", 6.0 mm) Red Nozzle x 3/32" Nozzle		45	13	MTO	\$24.84
5035 Sprinkler Nozzles							
5035-18-NZ	17585351	#18 Nozzle (9/64", 3.5 mm) Blue	50	300		MTO	\$3.52
5035-20-NZ	17585401	#20 Nozzle (5/32", 4.0 mm) Black	50	300		MTO	\$3.52
5035-22-NZ	17585451	#22 Nozzle (11/64", 4.5 mm) Brown	50	300		MTO	\$3.52
5035-25-NZ	17585501	#25 Nozzle (25/128", 5.0 mm) Purple	50	300		MTO	\$3.52
5035-28-NZ	17585551	#28 Nozzle (7/32", 5.5 mm) Orange	50	300		MTO	\$3.52
5035-30-NZ	17585601	#30 Nozzle (15/64", 6.0 mm) Red	50	300		MTO	\$3.52
5035-12-RNZ	17583251	3/32" Rear Slotted Nozzle	50	300		MTO	\$1.92
5035-BK-PLUG	17582001	Gray Rear Plug	100	1200			\$1.92



5035SD-PC-S18



5035SD-D22



5035-18-NZ

Metal Impacts

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Stock Code	List Price
423 AG - 1/2" Male Base, Full and Part Circle, 25 Degree							
423AG-16	16043432	1/8" Green nozzle		75	43	MTO	\$33.83
423AG-18	16043435	9/64" Blue Nozzle		75	43		\$33.83
423AG-20	16043440	5/32" Black Nozzle		75	43		\$33.83
233 AF - 3/4" Male, Full Circle, Anti-Frost, 30 Degree							
233AF w/ Single Nozzle							
233AF-S18	16024640	#18 Nozzle (9/64", 3.5 mm) Blue		50	42		\$38.13
233AF-S20	16024642	#20 Nozzle (5/32", 4.0 mm) Black		50	42		\$38.13
233AF-S22	16024644	#22 Nozzle (11/64", 4.5 mm) Brown		50	42	MTO	\$38.13
233AF-S25	16024646	#25 Nozzle (25/128", 5.0 mm) Purple		50	42	MTO	\$38.13
233AF-S28	16024648	#28 Nozzle (7/32", 5.5 mm) Orange		50	42	MTO	\$38.13
233AF-S32	16024650	#32 Nozzle (1/4", 6.5 mm) Gray		50	42	MTO	\$38.13
233 AF - 3/4" Male, Full Circle, Anti-Frost, 30 Degree							
233AF w/ Dual Nozzles							
233AF-D18	16024654	#18 Nozzle (9/64", 3.5 mm) Blue		50	42	MTO	\$38.13
233AF-D20	16024656	#20 Nozzle (5/32", 4.0 mm) Black		50	42		\$38.13
233AF-D22	16024658	#22 Nozzle (11/64", 4.5 mm) Brown		50	42		\$38.13
233AF-D25	16024660	#25 Nozzle (25/128", 5.0 mm) Purple		50	42	MTO	\$38.13
233AF-D28	16024662	#28 Nozzle (7/32", 5.5 mm) Orange		50	42	MTO	\$38.13
233AF-D32	16024664	#32 Nozzle (1/4", 6.5 mm) Gray		50	42	MTO	\$38.13
233 AF - 3/4" Male, Full Circle, Anti-Frost, 30 Degree							
233AF without Nozzles							
233AF-RD-WO	16024600	233AF without Nozzle, Red Sleeve for 11/64" and smaller nozzles		50	42	MTO	\$38.13
233AF-BK-WO	16024601	233AF without Nozzle, Black Sleeve for 25/128" and larger nozzles		50	42	MTO	\$38.13
233 Sprinkler Nozzles							
233AF-18-NZ	17585355	#18 Nozzle (9/64", 3.5 mm) Blue	50	300		MTO	\$3.52
233AF-20-NZ	17585405	#20 Nozzle (5/32", 4.0 mm) Black	50	300		MTO	\$3.52
233AF-22-NZ	17585455	#22 Nozzle (11/64", 4.5 mm) Brown	50	300		MTO	\$3.52
233AF-25-NZ	17585505	#25 Nozzle (25/128", 5.0 mm) Purple	50	300		MTO	\$3.52
233AF-28-NZ	17585555	#28 Nozzle (7/32", 5.5 mm) Orange	50	300		MTO	\$3.52
233AF-32-NZ	17585655	#32 Nozzle (1/4", 6.5 mm) Gray	50	300		MTO	\$3.52
233AF-12-RNZ	17544251	#12 Rear Slotted Nozzle (3/32", 2.5 mm)	100	1200		MTO	\$1.92

SPRINKLERS



423AG-20



233AF-D20



233AF-18-NZ

Field Stands

Series #	Stand Size	PVC Tubing	Connection Type	Take-Off Type	Options						
179	6	Stand 47	1	24"	1	Press-Fit	2	Barb 4/7	0	None	
			2	30"	2	1/2" FPT	3	Bayonet 5/8			
			3	36"			4	Take Apart 5/8			
	7	Stand 58 (Stand 50)	1	24"	1	Press-Fit	2	Barb 5/8	0	None	
			2	30"	2	1/2" FPT	3	Bayonet 5/8			
			3	36"	3	1/2" MPT	4	Take Apart 5/8			
			4	39"							
			5	48"							
	9	Stand 912 (Stand 52)	1	24"	2	1/2" FPT	2	Barb 9/12	0	None	
			2	30"	3	1/2" FPT - LPD	4	Take Apart 9/12			
			3	36"							
			4	39"							
			5	48"							
			6	60"							
	Example: 179		7	1	2	4	0				

Catalog Number: 179 7 1 2 4 0

Description: Series 179 mounted on a Stand 58 (Stake 37), with 24" tubing lead, 1/2" FPT adapter for Mini-Revolver and a 5/8" take Apart Friction Insert

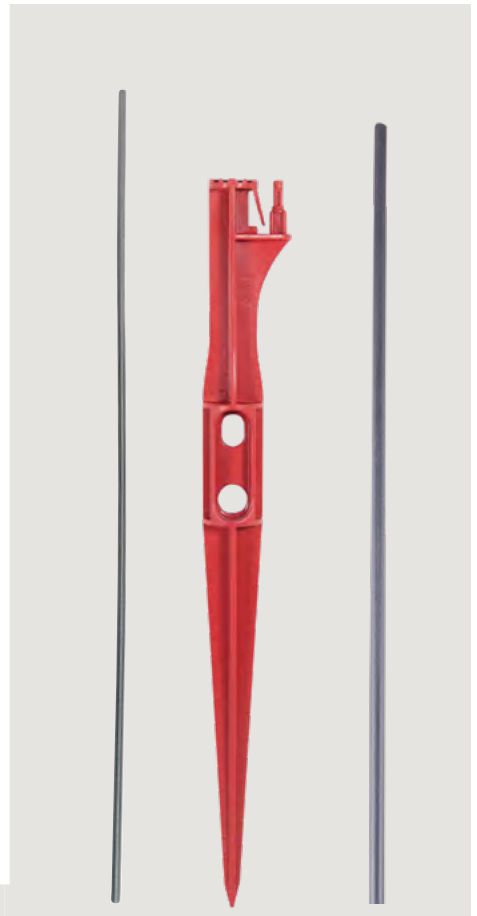
* Take apart Field Stands do NOT include hose adapter.

Stand 47 Uses 276 x 158 Vinyl (PVC) Tubing

Stand 58 Uses 300 x 190 Vinyl (PVC) Tubing

Stand 912 Uses 505 x 355 Vinyl (PVC) Tubing

Field Stands



24" Tubing Lead with 5/8 Take Apart Insert

18047343
Blue 35 GPH @ 35 PSI, 46 ft Diameter

Black Polyethylene Tubing

Stand Size Options

- 17493203 8mm Galvanized Rod 24"
- 17097947 Stake 37, Red
- 17493205 8mm Fiberglass Rod Black - 24'



11990071
Detachable Start Connector 5/8



17097108
1/2" FPT Agri-Connector 5/8 mm

SPRINKLERS

Field Stands

Model #	Part #	Description	Bag Qty	Box Qty	Stock Code	List Price
Stakes						
BUR-STK-47	12290250	Burial Stake		325		\$1.24
ROD-G6-48	17493201	6mm Galv Rod - 48"			MTO	\$3.37
ROD-F8-RD-24	17493212	8mm Red Fibreglass Rod - 24"			MTO	\$3.41
ROD-F8-RD-36	17493213	8mm Red Fibreglass Rod - 36"			MTO	\$5.12
ROD-F8-RD-48	17493214	8mm Red Fibreglass Rod - 48"				\$6.14
ROD-G8-24	17493203	8mm Galv Rod - 24"			MTO	\$4.23
ROD-G8-48	17493601	8mm Galv Rod - 48"				\$6.96
ROD-GR8-48	17493652	8mm Galv Rod w/ Stabilizer Ring - 48"			MTO	\$5.70
ROD-GF8-48	17493600	8mm Galv Rod w/ Footpeg - 48"			MTO	\$6.96
Accessories						
FSA-A8	17482820	Adapter to 8mm Rod			MTO	\$1.66
PP-47	17097785	4/7 Hole Punch	1	10		\$21.38
PP-58	17030058	5/8 Hole Punch	1			\$52.75
AP030	12071008	3.0 mm Hole Punch/Dan/Naan	1	10		\$18.00
AP036	12071009	3.6 mm Hole Punch 250 Series	1	10		\$18.00
AP070	12071025	7.0 mm Hole Punch 400 Series	1	10		\$18.00
PP-400	12070065	400 Series Punch (use w/ 9/12 fittings)	1	10		\$45.05
11930099	16090099	Pusher for Adapter	1	10	MTO	\$53.24

Note: 4/7 is designed for 276 x 158 vinyl tubing
 5/8 is designed for 300 x 190 vinyl tubing
 9/12 is designed for 505 x 355 vinyl tubing



BUR-STK-47



PP-400



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G-08	Trickle Sticks		

Button Emitters

Non-Pressure Compensation Emitters						
Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	List Price
Turbulent Flow Drip Emmitter - Take Apart, 1/4" Barb Inlet						
JE02	72500560	0.5 GPH, Yellow	50	1500	13	\$0.37
JE04	72500561	1.0 GPH, Black	50	1500	13	\$0.37
JE08	72500562	2.0 GPH, Blue	50	1500	13	\$0.37
JE14	72500563	3.7 GPH, Green	50	1500	13	\$0.37
Adjustable Flow Emmitter -Take Apart, 1/4" Barb Inlet						
TF-A	72015071	Adjustable 0-12.0 GPH, 1/4" barb inlet	100	500	7.1	\$0.62
Flag Emitters with Locking Cap - Take Apart Laminar Flow Emmitter, 1/4" Barb Inlet and Outlet						
JL02	72500753	0.5 GPH, Orange	100	2000	7.1	\$0.42
JL04	72500746	1.0 GPH, Black	100	2000	7.1	\$0.42
JL08	72500748	2.0 GPH, Blue	100	2000	7.1	\$0.42
JL16	72500750	4.0 GPH, Green	100	2000	7.1	\$0.42
Mini Inline Emmitter- 1/4" Barb x 1/4" Barb						
MIL02	72500566	0.5 GPH, Orange	100	1500		\$0.60
MIL04	72500567	1.0 GPH, Black	100	1500		\$0.60
MIL08	72500568	2.0 GPH, Blue	100	1000		\$0.60



Pressure Compensating Emitters						
Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	List Price
Micro Flappers - Self-Flushing - 1/4" Barb Inlet x 1/8" Barb Outlet						
MF-1/2	72501103	0.5 GPH, Brown	100	1000	11.5	\$0.63
MF-3/4	72501104	0.75 GPH, Gray	100	1000	11.5	\$0.63
MF-1	72501105	1.0 GPH, Black	100	1000	11.5	\$0.63
MF-2	72501106	2.0 GPH, Green	100	1000	11.5	\$0.63
Ceta Pressure Compensating Emmitter - Take Apart, 1/4" Inlet and Outlet						
CETAPC02	72500825	Ceta Emmitter 0.5 GPH, Red	100	1500	5.4	\$0.67
CETAPC04	72500826	Ceta Emmitter 1.0 GPH, Black	100	1500	5.4	\$0.67
CETAPC08	72500827	Ceta Emmitter 2.0 GPH, Green	100	1000	5.4	\$0.67



Button Emitters

Click-Tif Heavy Duty PC Drip Emitter (Olive Housing)							
Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code	List Price
Click-Tif Button Emitter HD							
CTHDT2-PC	12503405	0.5 GPH, Brown, taper	100	1000	7.0	MTO	\$0.46
CTHDT4-PC	12503410	1.0 GPH, Black, taper	100	1000	7.0		\$0.46
CTHDT8-PC	12503420	2.0 GPH, Green, taper	100	1000	7.0		\$0.46
CTHDT2-PC-BULK	32020405	0.5 GPH, Brown, taper, BULK		4000	27.0		\$0.37
CTHDT4-PC-BULK	32020410	1.0 GPH, Black, taper, BULK		4000	27.0		\$0.37
CTHDT8-PC-BULK	32020420	2.0 GPH, Green, taper, BULK		4000	27.0		\$0.37
Click-Tif HD - Pressure Compensating Drip Emitter 1/8" Barbed Outlet							
CTHDB2-PC	12503505	0.5 GPH, Brown, barb	100	1000	7.0		\$0.46
CTHDB4-PC	12503510	1.0 GPH, Black, barb	100	1000	7.0		\$0.46
CTHDB8-PC		2.0 GPH, Green, barb,	100	1000	7.0	MTO	\$0.46
CTHDB2-PC-BULK	32020505	0.5 GPH, Brown, barb, BULK		4000	27.0	MTO	\$0.37
CTHDB4-PC-BULK	32020510	1.0 GPH, Black, barb, BULK		4000	27.0	MTO	\$0.37
CTHDB8-PC-BULK	32020520	2.0 GPH, Green, barb, BULK		4000	27.0	MTO	\$0.37

Click-Tif Heavy Duty PCNL Drip Emitter (Grey Housing)							
Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code	List Price
Click-Tif HD - Pressure Compensating Check Non Leak (CNL) Drip Emitter, Tapered Outlet							
CTHDT2-CNL	12503205	0.5 GPH, Brown, taper	100	1000	7		\$0.46
CTHDT3-CNL	12503208	0.8 GPH, Blue, taper	100	1000	7	MTO	\$0.46
CTHDT4-CNL	12503210	1.0 GPH, Black, taper	100	1000	7		\$0.46
CTHDT8-CNL	12503215	2.0 GPH, Green, taper	100	1000	7		\$0.46
CTHDT12-CNL	12503220	3.0 GPH, Red, taper	100	1000	7	MTO	\$0.46
CTHDT2-CNL-BULK	32021205	0.5 GPH, Brown, taper, BULK		4000	27		\$0.37
CTHDT3-CNL-BULK	32021208	0.8 GPH, Blue, taper, BULK		4000	27		\$0.37
CTHDT4-CNL-BULK	32021210	1.0 GPH, Black, taper, BULK		4000	27		\$0.37
CTHDT8-CNL-BULK	32021215	2.0 GPH, Green, taper, BULK		4000	27		\$0.37
CTHDT12-CNL-BULK	32021220	3.0 GPH, Red, taper, BULK		4000	27		\$0.37
Click-Tif HD - Pressure Compensating Check Non Leak (CNL) Drip Emitter, Barbed Outlet							
CTHDB2-CNL	12503255	0.5 GPH, Brown, barb	100	1000	7	MTO	\$0.46
CTHDB4-CNL	12503260	1.0 GPH, Black, barb	100	1000	7		\$0.46
CTHDB8-CNL	12503265	2.0 GPH, Green, barb	100	1000	7	MTO	\$0.46
CTHDB2-CNL-BULK	32021255	0.5 GPH, Brown, barb, BULK		4000	27		\$0.37
CTHDB4-CNL-BULK	32021260	1.0 GPH, Black, barb, BULK		4000	27		\$0.37
CTHDB8-CNL-BULK	32021265	2.0 GPH, Green, barb, BULK		4000	27		\$0.37



Note: PC Regulating 7.5-60 PSI
 Recommended working pressure 15 PSI
 Taper emitters use multi-outlet components
 Bulk item sold in Box Qty only

PCNL Opens at 12 PSI Closes at 4.3 PSI
 Barb emitters use 187x125 tubing
 Use 1/8" punch tool 12071006

Multi Outlet Drinker Assemblies

Multi- Outlet Drinker Ordering Guide:

Series #	Manifold		Tube Selection		Primary Tube Length		Secondary Tube Length		Arrow Drinker	
1272	2-Way	2 Flat	1 White PE	18 18"	18 18"	0 5" Angle Arrow				
1273	4-Way	3 Stackable	2 Black Vinyl	24 24"	24 24"	1 5" Straight Arrow				
			3 Black PE	30 30"	30 30"					
				36 36"	36 36"					
				42 42"	42 42"					
				48 48"	48 48"					
				00 None (2-way)						

Example: 1273 2 1 36 24 0

Catalog Number: 1273 2 1 36 24 0

Description: Multi-Outlet 4-Way Flat Multi Outlet Manifold with Alternating 36" and 24" White PE Tubes and 5" Angle Arrow

For Use With Taper Outlet Only

2 - Way: Select Primary Tube Length and Enter 0 for Secondary Tube Length

4 - Way: Select Primary Tube Length and Secondary Tube Length. Primary and Secondary tubes will alternate around the Manifold

Tubing size .187 x .125

Model #	Part #	Description	Bag Qty	Box Qty	Stock Code	List Price
Multi-Outlet Drinker Assembly Components						
MAN4	12602940	4-Way Flat Manifold	100	1600		\$0.26
MAN4S	12602948	4-Way Stacking Manifold (open end)	100	1600		\$0.30
MAN2	12602920	2-Way Manifold	200	3000	MTO	\$0.30
MAN2S	12602928	2-Way Stacking Manifold (open end)	200	3000	MTO	\$0.35
Arrow Drinker						
AD5	12602800	5" Straight Arrow Drinker	50	500		\$0.32
AAD	12602850	5" Angle Arrow Drinker	50	500		\$0.32

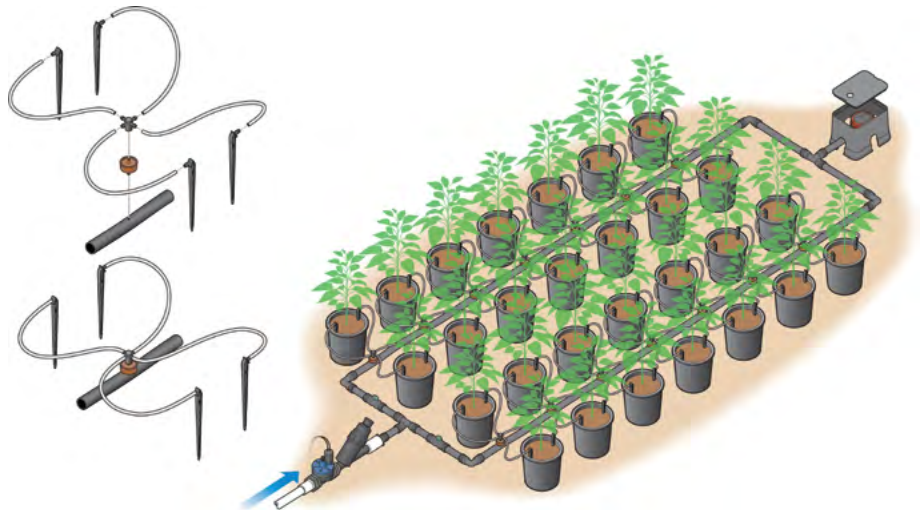
Multi-Outlet Drinker Assembly Components



MAN4



MAN2



Drip Stake / Weight Assemblies

Drip Stake / Weight Ordering Guide:

Series #	Emitter Type	Emitter Flow	Tube Color	Tube Length	Outlet Type
1271	0 No Drip Emitter (Non PC)	0 Non- PC	1 White PE	18 18"	0 None
	1 PCNL (Check Valve)	1 0.5 GPH	2 Black Vinyl	24 24"	1 Non PC (5"Angle Arrow)
	5 PC	2 1.0 GPH	3 Black PE	30 30"	2 Non PC (5" Straight Arrow)
		3 2.0 GPH		36 36"	3 Angle Barbed Stake
		4 3.0 GPH		42 42"	4 Metal Weight
				48 48"	

Example: 1271 1 2 1 1 24 3

Catalog Number: 1271 1 2 1 24 3

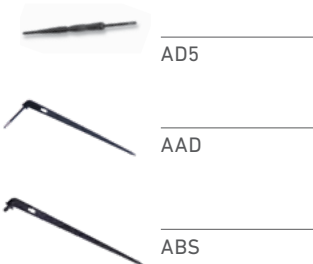
Description: Single Outlet PCNL 1GPH with White PE 24" Tube and Angle Barbed Stake

Note:

Non PC Drippers use a 1/8" Barb inlet and a Turbulent Flow 5" Angle Arrow Dripper
 PC and PCNL use Angle Barbed Stake and Klik Tif Taper Outlet Drip Emitters
 Tubing Size.187 x .125

Model #	Part #	Description	Bag Qty	Box Qty	Stock Code	List Price
Drip Stake/Weight Assembly Components						
MAN1	12602908	1- Way Adapter for Taper Outlet Emitter	100	2800	MTO	\$0.13
WTMTL	12292026	Metal Weight (Zinc Aluminum Alloy)		2000	MTO	\$2.35
ABS	12602870	Angle Barbed Stake	50	500	MTO	\$0.18
AAD	12602850	5" Angle Arrow Dripper	50	500		\$0.32
AD5	12602800	5" Straight Arrow Dripper	50	500		\$0.32

Drip Stakes



Weighted Assembly Components and Adapter



Chapin PC Twist Weights

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Stock Code	List Price
Chapin On/Off Twist Weight Assemblies: 0.5 GPH PC Emitters with On/Off Tube Weight							
05PC-EW076-12	12775312	with 12" 128x076-PE Tubing	50	500	23	MTO	\$2.26
05PC-EW076-18	12775318	with 18" 128x076-PE Tubing	50	500	23.5	MTO	\$2.26
05PC-EW076-24	12775324	with 24" 128x076-PE Tubing	50	500	24.5	MTO	\$2.43
05PC-EW076-30	12775330	with 30" 128x076-PE Tubing	50	500	26	MTO	\$2.43
05PC-EW076-36	12775336	with 36" 128x076-PE Tubing	50	500	37.1	MTO	\$2.63
05PC-EW076-48	12775348	with 48" 128x076-PE Tubing	50	400	28.5	MTO	\$2.81
05PC-EW076-60	12775360	with 60" 128x076-PE Tubing	50	400	29	MTO	\$3.18
05PC-EW076-72	12775372	with 72" 128x076-PE Tubing	50	300	29.5	MTO	\$3.56
Chapin On/Off Twist Weight Assemblies: 1 GPH PC Emitters with On/Off Tube Weight							
10PC-EW076-12	12776312	with 12" 128x076-PE Tubing	50	500	23	MTO	\$2.26
10PC-EW076-18	12776318	with 18" 128x076-PE Tubing	50	500	23.5	MTO	\$2.26
10PC-EW076-24	12776324	with 24" 128x076-PE Tubing	50	500	24.5	MTO	\$2.43
10PC-EW076-30	12776330	with 30" 128x076-PE Tubing	50	500	26	MTO	\$2.43
10PC-EW076-36	12776336	with 36" 128x076-PE Tubing	50	500	37.1	MTO	\$2.63
10PC-EW076-48	12776348	with 48" 128x076-PE Tubing	50	400	28.5	MTO	\$2.81
10PC-EW076-60	12776360	with 60" 128x076-PE Tubing	50	400	29	MTO	\$3.18
10PC-EW076-72	12776372	with 72" 128x076-PE Tubing	50	300	29.5	MTO	\$3.56
Chapin On/Off Twist Weight Assemblies: 2 GPH PC Emitters with On/Off Tube Weight							
20PC-EW076-12	12777312	with 12" 128x076-PE Tubing	50	500	23	MTO	\$2.26
20PC-EW076-18	12777318	with 18" 128x076-PE Tubing	50	500	23.5	MTO	\$2.26
20PC-EW076-24	12777324	with 24" 128x076-PE Tubing	50	500	24.5	MTO	\$2.43
20PC-EW076-30	12777330	with 30" 128x076-PE Tubing	50	500	26	MTO	\$2.43
20PC-EW076-36	12777336	with 36" 128x076-PE Tubing	50	500	37.1	MTO	\$2.63
20PC-EW076-48	12777348	with 48" 128x076-PE Tubing	50	400	28.5	MTO	\$2.81
20PC-EW076-60	12777360	with 60" 128x076-PE Tubing	50	400	29	MTO	\$3.18
20PC-EW076-72	12777372	with 72" 128x076-PE Tubing	50	300	29.5	MTO	\$3.56

Note: Other cut lengths are available. Micro Tubing is also available in White PE. Minimum quantity of 100; must be ordered in increments of 50.



Chapin On/Off Twist Weights

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Stock Code	List Price
Chapin On/Off Twist Weight Assemblies: 0.036 Inside Diameter Tube							
EW036-12	12771012	with 12" 128x036-PE Tubing	50*	500	49.0	MTO	\$1.48
EW036-18	12771018	with 18" 128x036-PE Tubing	50*	500	40.0	MTO	\$1.51
EW036-24	12771024	with 24" 128x036-PE Tubing	50*	500	41.0	MTO	\$1.53
EW036-30	12771030	with 30" 128x036-PE Tubing	50*	500	38.4	MTO	\$1.59
EW036-36	12771036	with 36" 128x036-PE Tubing	50*	500	35.0	MTO	\$1.64
EW036-42	12771042	with 42" 128x036-PE Tubing	50*	500	31.0	MTO	\$1.71
EW036-48	12771048	with 48" 128x036-PE Tubing	50*	400	26.0	MTO	\$1.79
EW036-60	12771060	with 60" 128x036-PE Tubing	50*	400	28.0	MTO	\$1.92
EW036-72	12771072	with 72" 128x036-PE Tubing	50*	350	21.0	MTO	\$2.15
Chapin On/Off Twist Weight Assemblies: 0.050 Inside Diameter Tube							
EW050-12	12771112	with 12" 128x050-PE Tubing	50*	500	48.5	MTO	\$1.48
EW050-18	12771118	with 18" 128x050-PE Tubing	50*	500	38.7	MTO	\$1.51
EW050-24	12771124	with 24" 128x050-PE Tubing	50*	500	40.5	MTO	\$1.53
EW050-30	12771130	with 30" 128x050-PE Tubing	50*	500	38.4	MTO	\$1.59
EW050-36	12771136	with 36" 128x050-PE Tubing	50*	500	34.3	MTO	\$1.64
EW050-42	12771142	with 42" 128x050-PE Tubing	50*	500	30.5	MTO	\$1.71
EW050-48	12771148	with 48" 128x050-PE Tubing	50*	400	25.5	MTO	\$1.79
EW050-60	12771160	with 60" 128x050-PE Tubing	50*	400	27.5	MTO	\$1.92
EW050-72	12771172	with 72" 128x050-PE Tubing	50*	350	20.7	MTO	\$2.15
Chapin On/Off Twist Weight Assemblies: 0.060 Inside Diameter Tube							
EW060-12	12771212	with 12" 128x060-PE Tubing	50*	500	48.0	MTO	\$1.51
EW060-18	12771218	with 18" 128x060-PE Tubing	50*	500	38.2		\$1.53
EW060-24	12771224	with 24" 128x060-PE Tubing	50*	500	40.0		\$1.56
EW060-30	12771230	with 30" 128x060-PE Tubing	50*	500	38.4		\$1.62
EW060-36	12771236	with 36" 128x060-PE Tubing	50*	500	34.3		\$1.65
EW060-42	12771242	with 42" 128x060-PE Tubing	50*	500	27.0		\$1.73
EW060-48	12771248	with 48" 128x060-PE Tubing	50*	400	25.5		\$1.80
EW060-60	12771260	with 60" 128x060-PE Tubing	50*	400	27.5	MTO	\$1.83
EW060-72	12771272	with 72" 128x060-PE Tubing	50*	350	20.7		\$2.16
Chapin On/Off Twist Weight Assemblies: 0.076 Inside Diameter Tube							
EW076-12	12771312	with 12" 128x076-PE Tubing	50*	500	47.5	MTO	\$1.51
EW076-18	12771318	with 18" 128x076-PE Tubing	50*	500	37.7	MTO	\$1.53
EW076-24	12771324	with 24" 128x076-PE Tubing	50*	500	39.5		\$1.56
EW076-30	12771330	with 30" 128x076-PE Tubing	50*	500	37.4	MTO	\$1.62
EW076-36	12771336	with 36" 128x076-PE Tubing	50*	500	33.3		\$1.65
EW076-42	12771342	with 42" 128x076-PE Tubing	50	500	27.0	MTO	\$1.73
EW076-48	12771348	with 48" 128x076-PE Tubing	50	400	24.5		\$1.80
EW076-60	12771360	with 60" 128x076-PE Tubing	50	400	26.5	MTO	\$1.83
EW076-72	12771372	with 72" 128x076-PE Tubing	50	350	19.7	MTO	\$2.16

Note: Other cut lengths are available. Micro Tubing is also available in White PE. Minimum quantity of 100; must be ordered in increments of 50. Use Punch 12290205 for Tube Weight Assemblies.



EMISSION DEVICES

Trickle Sticks

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Stock Code	List Price
Trickle Stick							
TRS	12500423	Trickle Stick	100	5000	48.0		\$0.64
Note: Use with 0.128" OD x 0.036", 0.050", 0.060" or 0.076" ID tubing. Shut-off Port on side.							
Trickle Stick Assemblies: 0.036 Inside Diameter Tube							
TRS36-12	12790012	with 12" 128x036-PE Tubing	50	2000	31.0	MTO	\$1.03
TRS36-18	12790018	with 18" 128x036-PE Tubing	50	2000	37.0	MTO	\$1.06
TRS36-24	12790024	with 24" 128x036-PE Tubing	50	2000	39.0	MTO	\$1.09
TRS36-36	12790036	with 36" 128x036-PE Tubing	50	1500	39.0	MTO	\$1.16
TRS36-42	12790042	with 42" 128x036-PE Tubing	50	1500	45.0	MTO	\$1.21
TRS36-48	12790054	with 48" 128x036-PE Tubing	50	1500	45.0	MTO	\$1.27
Trickle Stick Assemblies: 0.050 Inside Diameter Tube							
TRS50-12	12790112	with 12" 128x050-PE Tubing	50	2000	31.0	MTO	\$1.03
TRS50-18	12790118	with 18" 128x050-PE Tubing	50	2000	37.0	MTO	\$1.06
TRS50-24	12790124	with 24" 128x050-PE Tubing	50	2000	39.0	MTO	\$1.09
TRS50-30	12790130	with 30" 128x050-PE Tubing	50	2000	45.0	MTO	\$1.11
TRS50-36	12790136	with 36" 128x050-PE Tubing	50	1500	39.0	MTO	\$1.16
TRS50-42	12790142	with 42" 128x050-PE Tubing	50	1500	39.0	MTO	\$1.21
TRS50-48	12790148	with 48" 128x050-PE Tubing	50	1500	45.0	MTO	\$1.27
Trickle Stick Assemblies: 0.060 Inside Diameter Tube							
TRS60-24	12790224	with 24" 128x060-PE Tubing	50	2000	39.0	MTO	\$1.09
TRS60-30	12790230	with 30" 128x060-PE Tubing	50	2000	45.0	MTO	\$1.11
TRS60-36	12790236	with 36" 128x060-PE Tubing	50	1500	39.0	MTO	\$1.16
Trickle Stick Assemblies: 0.076 Inside Diameter Tube							
TRS76-12	12790312	with 12" 128x076-PE Tubing	50	2000	31.0	MTO	\$0.87
TRS76-18	12790318	with 18" 128x076-PE Tubing	50	2000	37.0	MTO	\$1.06
TRS76-24	12790324	with 24" 128x076-PE Tubing	50	2000	39.0	MTO	\$1.09
TRS76-36	12790330	with 30" 128x076-PE Tubing	50	2000	45.0	MTO	\$1.11
TRS76-30	12790336	with 36" 128x076-PE Tubing	50	1500	39.0	MTO	\$1.16

Note: Other cut lengths are available. Micro Tubing is also available in White PE. Minimum quantity of 100; must be ordered in increments of 50.



Spray Sticks

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Stock Code	List Price
Chapin Spray Sticks							
STP	12500421	Green, "P" Spray Tube Stake Use with 0.128" OD x 0.076" ID tubing	100	3000	48.0		\$0.64
STN	12500422	Blue, "N" Spray Tube Stake Use with 0.187" OD x 0.125" ID tubing	100	3000	48.0		\$0.67
Chapin Spray Sticks and Tubes for Pots							
ST-P-12	12781312	with 12" 128 x 076-PE Tubing	50*	2000	48.0	MTO	\$0.65
ST-P-18	12781318	with 18" 128 x 076-PE Tubing	50*	1500	41.0	MTO	\$0.80
ST-P-24	12781324	with 24" 128 x 076-PE Tubing	50*	1500	47.0	MTO	\$0.82
ST-P-30	12781330	with 30" 128 x 076-PE Tubing	50*	1500	50.0	MTO	\$0.86
ST-P-36	12781336	with 36" 128 x 076-PE Tubing	50*	1500	56.0	MTO	\$0.92
ST-P-42	12781342	with 48" 128 x 076-PE Tubing	50*	1500	37.0	MTO	\$0.99
Chapin Spray Sticks and Tubes for Nursery Containers							
ST-N-18	12783418	with 18" 187 x 125-PE Tubing	50*	1500	41.0	MTO	\$0.80
ST-N-24	12783424	with 24" 187 x 125-PE Tubing	50*	1500	47.0	MTO	\$0.82
ST-N-30	12783430	with 30" 187 x 125-PE Tubing	50*	1500	50.0	MTO	\$0.86
ST-N-36	12783436	with 36" 187 x 125-PE Tubing	50*	1000	56.0	MTO	\$0.92
ST-N-48	12783448	with 48" 187 x 125-PE Tubing	50*	1000	36.0	MTO	\$1.02
ST-N-72	12783472	with 72" 187 x 125-PE Tubing	50*	500	38.0	MTO	\$1.13

Note: Minimum quantity of 100; must be ordered in increments of 50.

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	List Price
Aqua Spray Sticks						
ASBLK-6	12501250	Black, High Flow, Down 160 Degrees, 15.0 GPH	100	1000	13	\$0.47
ASGRN-6	12501251	Green, Medium Flow, Down 160 Degrees, 11.4 GPH	100	1000	13	\$0.47
ASAVCDO-6	12501252	Avocado, Low Flow, Down 160 Degrees, 6.6 GPH	100	1000	13	\$0.47
ASTERCTA-6	12501253	Terra Cotta, Mini Flow, Down 160 Degrees, 4.2 GPH	100	1000	13	\$0.47
ASBRN-6	12501254	Brown, Low Flow, Flat 90 Degrees, 6.6 GPH	100	1000	13	\$0.47
ASGRY-6	12501255	Gray, Mini Flow, Flat 90 Degrees, 3.0 GPH	100	1000	13	\$0.47
ASBLU-6	12501256	Blue, Medium Flow, Flat 360 Degrees, 10.8 GPH	100	1000 </td <td>13</td> <td>\$0.47</td>	13	\$0.47

Note: Uses .187 x .125 PE tubing. All flow rates should be specified for 20 psi.



EMISSION DEVICES



Landscape Jets and Sprays

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	List Price
Vari-Jet - 10-32 thread						
PVJ06F	72500961	0.060 Orifice 360 Deg Radius Spray Vari-Flow Valve (18 stream)	100	500	3.3	\$2.04
PVJ06H	72500962	0.060 Orifice 180 deg. Spray Vari-Flow valve	100	500	3.3	\$2.04
PVJ06Q	72500963	0.060 Orifice 90 deg. Spray Vari-Flow valve	100	500	3.3	\$2.04
PVJM	72500964	Vari-Jet Mister - 360 deg. fine spray	100	500	3.3	\$2.04
Vari-Rotor Spray w/ 10-32 thread, Full Circle						
PVMS25	72500965	0.06 orifice, Black, Adjustable Mini Sprinkler (0-25 GPH)	25	500	3.8	\$3.14
Rotor Spray Mini-Sprinklers w/ 10-32 thread, Full Circle						
PMS9	72500745	0.035 orifice, Brown, 9 GPH @ 20 PSI 17' diameter	100	500	2.2	\$1.88
PMS12	72500955	0.04 orifice, Blue, 12 GPH @ 20 PSI 17' diameter	100	500	2.2	\$1.88
PMS18	72500956	0.05 orifice, Green, 18 GPH @ 20 PSI 21' diameter	100	500	2.2	\$1.88
PMS25	72500744	0.06 orifice, Red, 25 GPH @ 20 PSI 23' diameter	100	500	2.2	\$1.88
One Piece Aqua-Jets - 0.03 Orifice - Black						
AJ-300-B	12503128	300 deg.	100	2000	1.8	\$0.29
AJ-180-B	12500794	180 deg.	100	2000	1.8	\$0.29
AJ-090-B	12500796	90 deg.	100	2000	1.8	\$0.29
One Piece Aqua-Jets - 0.04 Orifice - Blue						
AJ-300-BL	12500797	300 deg.	100	2000	1.8	\$0.29
AJ-180-BL	12500798	180 deg.	100	2000	1.8	\$0.29
AJ-090-BL	12500799	90 deg.	100	2000	1.8	\$0.29
One Piece Aqua-Jets - 0.05 Orifice - Green						
AJ-300-GR	12503118	300 deg.	100	2000	1.8	\$0.29
AJ-180-GR	12503119	180 deg.	100	2000	1.8	\$0.29
AJ-090-GR	12503120	90 deg.	100	2000	1.8	\$0.29
One Piece Aqua-Jets - 0.063 Orifice - Red						
AJ-300-R	12500800	300 deg.	100	2000	1.8	\$0.29
AJ-180-R	12500801	180 deg.	100	2000	1.8	\$0.29
AJ-090-R	12500802	90 deg.	100	2000	1.8	\$0.29



Landscape Spray Stakes

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code	Stock Code
Micro-Pop Riser with Stake End and 1/4" Barb Inlet – Non-Rotating Pop-Up Riser							
PMP2	72500740	9" Riser retracted length 15"	10	30	8.5		\$9.20
PMP3	72500741	6" Riser retracted length 11 1/2"	10	30	6.5	MTO	\$8.82
R-Stake							
RSTAKE	72015046	6" Riser Stake with 10-32 thread outlet	25	250	1.4		\$0.87
12" Mounting Stake							
PCS12	72500807	12" plastic stake (Black) holds 250 x 160 PE or 300 x 160 vinyl tubing, also holds rigid risers	25	200	14.9		\$0.69
Rigid Risers - 0.160 ID x 0.300 OD							
PRR06	72500969	6" Riser Extension	25	500	4.6		\$0.24
PRR08	71195028	8" Riser Extension	25	500	6.0		\$0.26
PRR12	71195029	12" Riser Extension	25	500	8.8		\$0.40
PRR18	71195030	18" Riser Extension	25	500	12.9		\$0.55
Rigid Risers with Barbed Adapter - 0.160 ID x 0.300 OD with Barbed Adapter							
PRRAB06	72500515	6" Riser	25	500	8.8	MTO	\$0.86
PRRAB08	72500516	8" Riser	25	500	11.5		\$0.89
PRRAB12	72500512	12" Riser	25	500	17.0		\$1.03
PRRAB18	72500513	18" Riser	25	500	25.3	MTO	\$1.21



EMISSION DEVICES



Multi-Port Manifolds

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code	List Price
Quadra-Bubbler (4) 1/4" Outlets with 3/4" MPT Inlet							
QB416	72500769	Blue Low Flow (2 GPH per outlet)	10	300	20.3		\$5.12
QB456	72500771	Black Med Flow (6 GPH per outlet)	10	300	20.3		\$5.12
QB496	72500772	Red High Flow (10 GPH per outlet)	10	300	20.3		\$5.12
QB4186	72500770	Green Extra High Flow (20 GPH per outlet)	10	300	20.3		\$5.12
QB2 Bubbler (4) 3/4" FPT - For Use with 0.170 ID Tubing							
QB2-16	72550971	Blue - low flow (2 GPH/outlet)	10	200	12.4		\$6.51
QB2-56	72500774	Black - med flow (6 GPH/outlet)	10	200	12.4		\$6.51
QB2-96	72500775	Red - high flow (10 GPH/outlet)	10	200	12.4		\$6.51
QB2-186	72500773	Green - extra high flow (20 GPH/outlet)	10	200	12.4		\$6.51
QB2-16P	72503167	Blue - low flow (2 GPH/outlet) -Purple base	10	200	12.4	MTO	\$7.36
QB2-56P	72503166	Black - med flow (6 GPH/outlet) - Purple base	10	200	12.4	MTO	\$7.36
QB2-96P	72503172	Red - high flow (10 GPH/outlet) - Purple base	10	200	12.4	MTO	\$7.36
QB2-186P	72503174	Green - extra high flow (20 GPH/outlet)	10	200	12.4	MTO	\$7.36
Octa-Bubbler 8 Pressure Compensating Swivel Ports .250 barb outlet							
OCT816	72500729	Blue low flow bubbler (2 GPH/outlet)	10	30	11.2		\$15.53
OCT856	72500731	Black med flow bubbler (6 GPH/outlet)	10	30	11.2		\$15.53
OCT896	72500732	Red high flow bubbler (10 GPH/outlet)	10	30	11.2		\$15.53
OCT8186	72500730	Green extra-high flow bubbler (20 GPH/outlet)	10	30	11.2		\$15.53
OCT816P	72500051	Blue low flow bubbler (2 GPH/outlet) -Purple cap	10	30	11.2		\$17.64
OCT856P	72500050	Black med flow bubbler (6 GPH/outlet) - Purple cap	10	30	11.2	MTO	\$17.64
OCT896P	72503162	Red high flow bubbler (10 GPH/outlet) - Purple cap	10	30	11.2	MTO	\$17.64
OCT8186P	72500020	Green extra-high flow bubbler (20 GPH/outlet) -Pc	10	30	11.2	MTO	\$17.64
Octa-Bubbler Flow Control Devices							
FCD8160	72500623	Blue (2 GPH)	8	480	11.2	MTO	\$0.80
FCD8560	72500625	Black (6 GPH)	8	480	11.2	MTO	\$0.80
FCD8960	72500970	Red (10 GPH)	8	480	11.2	MTO	\$0.80
FCD81860	72500624	Green (20 GPH)	8	480	11.2	MTO	\$0.80
Bubbler Access Box							
BBOX645	72500621	6" L x 5" W x 4" H Bubbler Access Box w/ metal washer for metal detection		36	18.14		\$9.24
BBOX645P	72500622	6" L x 5" W x 4" H Bubbler Access Box w/ metal washer for metal detection		36	18.14	MTO	\$10.63



EMISSION DEVICES

Multi-Port Manifolds

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code	List Price
Multi-Port Manifold Accessories							
BA-PP-QB	72500616	Port Plug for Quadra Bubblers and QB2s	25	2000	4.9		\$0.24
BA-PP-OB	72500619	Port Plug for Octa-Bubblers	25	2000	4.9		\$0.32
BA-BUG	72500286	Insect plug for Bubbler Tubing	100	2000	7.1		\$0.16
BA-CP-QB	72500614	Clamp Plate - Locks tubing to Quadra Bubbler ports	10	300	1.8	MTO	\$1.32
BA-CP-QB2	72500617	Clamp Plate-Locks tubing to QB2 ports	10	300	1.8	MTO	\$0.11
OCTREP	72500007	Octa-Bubbler Repair Kit	1	10	1.0	MTO	\$5.28



BA-PP-QB



BA-PP-OB



BA-BUG



BA-CP-QB



BA-CP-QB2



OCTREP

Bubblers

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code	List Price
J-Bubbler PC - 1/2" FPT (Umbrella Pattern) with Cone Screen							
JBPC04	72500582	1.0 GPM (60 GPH)	25	300	5.0	MTO	\$2.30
J-Bubbler Adjustable Flow - 1/2" FPT (Umbrella Pattern) with Cone Screen							
JBAFP	72500583	Max flow 2.9 GPM @ 43 PSI	25	300	8.0		\$1.64
JBAF	72500584	Max flow 4.5 GPM @ 43 PSI Screw Adjust Bubbler	25	300	8.0	MTO	\$1.80
Mini-Bubbler Adjustable 0-30 GPH @ 15-30 PSI - 360 Degree							
PVMBB	72503126	1/4" barb	25	500	4.9		\$0.91
PVMBT	72503127	10-32 thread	25	500	4.9		\$0.91
PVMBS	72015008	Assembled on a 5" plastic stake *	25	250	4.9		\$1.23
Spectrum 360 Vortex Sprayer							
PVSV360B	72015009	1/4" barb	25	500	9.3		\$0.91
PVSV360T	72015010	10-32 thread	25	500	9.3		\$0.91
PVSV360R	72015012	1/2" FTP adapter	25	250	4.9	MTO	\$1.50
PVSV360S	72015011	Assembled on a 5" plastic stake *	25	250	3.3		\$1.23
PVJS8B	72503121	Full Circle, 8-stream	25	500	4.9		\$0.76
PVJS4B	72503123	Half Circle, 4-stream	25	500	4.9		\$0.76



Bubblers

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code	List Price
Adjustable Flow 1/4" Barbed Inlet Adjustable 0-13 GPH @ 15-30 PSI							
PVJS8B	72503121	Full Circle, 8-stream	25	500	4.9		\$0.76
PVJS4B	72503123	Half Circle, 4-stream	25	500	4.9		\$0.76
Adjustable Flow 10-32 Threaded Inlet Adjustable 0-13 GPH @ 15-30 PSI							
PVJS8T	72503122	Full Circle, 8-stream	25	500	4.9		\$0.76
PVJS4T	72503124	Half Circle, 4-stream	25	500	4.9		\$0.76
Adjustable Flow 1/2" FPT Adapters Adjustable 0-13 GPH @ 15-30 PSI							
PVJS8R	72500602	Full Circle, 8-stream	25	500	3.3	MTO	\$1.44
PVJS4R	72500601	Half Circle, 4-stream	25	500	3.3	MTO	\$1.44
Adjustable Flow Shrubber on a 5" Stake (includes 1/4" barb adapter) 0-13 GPH @ 15-30 PSI							
PVJS8S	72503125	Full Circle, 8-stream	25	250	3.3		\$1.16
PVJS4S	72500954	Half Circle, 4-stream	25	250	3.3		\$1.16
Shrub Adapters							
REA1032B	72500523	1/2" FPT Riser Emitter Adapter (Black for 10-32 or 0.125 to 0.250 barb, Flexible)	50	400	6.7		\$1.59
RA250E	72500521	Riser Adapter, 1/2" FPT x 1/2" MPT x 1/4" Barb ell swivel	50	400	7.2		\$2.32
SAT-2010-01	72500930	1/2" FPT x 10-32 THD	50	1000	14.8		\$0.71



EMISSION DEVICES



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2002 AquaSmart Pressure Compensating Sprinkler

2002 AquaSmart PC Ordering Guide

Series #	Swivel	Base	Nozzle	Tube Length	Stake
165	1 Red Swivel***	1 Female	4 Violet (5.3 GPH)	0 No Tube	0 No Stake
	2 Blue Swivel	2 Barb	9 Gray (7.4 GPH)	1 24"	5 Stake 37 - Red**
	3 Black Swivel	4 3/8"	0 Brown (9.3 GPH)	2 30" **	
	4 Orange Swivel	6 Quick Thread **	3 Blue (12.5 GPH)	3 36"	
	5 Inv Green Swivel *		2 Green (14.5 GPH)	4 48"	
	6 Two Stage Red Swivel with deflector		5 Orange (18.5 GPH)	5 60"	
	7 Two Stage Blue Swivel with deflector		6 Yellow (25.1 GPH)	6 72"	
	8 Two Stage Black Swivel with deflector		7 Red XL (9.3 GPH)		
			8 Black XL (10.5 GPH)		
			1 Ivory XL (12.4 GPH)		
Eg: 165	2	6	2	2	

Catalog Number: 165 2 6 2 2 5

Description: Complete 2002 Assembly with a Blue Swivel, Quick Thread Base, Green Nozzle on a 30" Tube Length, and a Red Stake 37.









* With spring loaded bearing ,

** Standard configuration

*** Red XL (extra long range) swivels to be used only with Black, Ivory and Red nozzles

Note: Barbed bases use PVC tubing, threaded bases use PE Tubing.

2002 AquaSmart Performance Table

Nozzle Color	Nominal Flow (GPH)	Nozzle Diameter (inches)	Swivels — Wetted Diameter (ft)							
			Orange	Black		Blue		Green	Red	
			Short Range	Medium Range w/ Deflector	Medium Range	Long Range w/ Deflector	Long Range	Inverted*	Extra Long Range w/ Deflector	Extra Long Range
										
Violet	5.3	0.033	9.8	4.9	11.4	4.9	14.7	16.4		
Gray	7.4	0.039	9.8	6.6	13	6.6	16.5	16.4		
Brown	9.3	0.043	11.5	8.2	13	6.6	18	16.4		
Blue	12.5	0.049	11.5	8.2	14.7	6.6	19.7	16.4		
Green	14.5	0.052	11.5	8.2	14.7	8.2	23	16.4		
Orange	18.5	0.058		8.2	16.5	9.8	24.6	16.4		
Yellow	25.1	0.069		9.8	18				3.3	23
Red XL	9.3	0.037							4.9	23
Black XL	10.5	0.039							6.6	23
Ivory XL	12.4	0.043								

Operating Pressure Range; Standard Nozzles: 20–60 PSI

Operating pressure XL Nozzles 25–60 PSI

Tested at 10" above ground at 30 PSI

*Inverted Swivel tested at 24" above ground

2002 AquaSmart Pressure Compensating Sprinkler

Model #	Part #	Description	Box Qty	Pallet Qty	Stock Code	List Price
2002 AquaSmart Pressure Compensating Sprinklers						
		2002 Head Only (excludes inverted)		350		
2002 Assemblies with PE Tubing						
		24" Tube Length		150	MTO	
		30" Tube Length (standard)		150		
		36" Tube Length		150	MTO	
		48" Tube Length		100	MTO	
		60" Tube Length		100	MTO	
Model #	Part #	Description	Bag Qt.	Box Qty	Stock Code	List Price
2002 Nozzles						
2002-VT-NZ	11915104	Violet (5.3 GPH)	100		MTO	\$1.84
2002-GY-NZ	11915109	Gray (7.4 GPH)	100		MTO	\$1.84
2002-RD-NZ	11915107	Red XL (9.3 GPH)	100		MTO	\$1.84
2002-BN-NZ	11915100	Brown (9.3 GPH)	100		MTO	\$1.84
2002-BK-NZ	11915108	Black XL (10.4 GPH)	100		MTO	\$1.84
2002-BE-NZ	11915103	Blue (12.5 GPH)	100		MTO	\$1.84
2002-IY-NZ	11915001	Ivory XL (12.4 GPH)	100		MTO	\$1.84
2002-GN-NZ	11915102	Green (14.5 GPH)	100		MTO	\$1.84
2002-OE-NZ	11915105	Orange (18.5 GPH)	100		MTO	\$1.84
2002-YW-NZ	11915106	Yellow (25.1 GPH)	100		MTO	\$1.84
2002 Swivels						
2002-BK-1S	17016208	Black	100		MTO	\$0.47
2002-BE-1S	17016203	Blue	100			\$0.47
2002-RD-1S	17016207	Red	100			\$0.47
2002-GN-INV	17016202	Green, Inverted	100		MTO	\$0.47
2002-OE-1S	17016215	Orange	100		MTO	\$0.47
2002-BK-2S	17016218	Black, 2-stage with deflector	100		MTO	\$0.47
2002-BE-2S	17016213	Blue, 2-stage with deflector	100			\$0.47
2002-RD-2S	17016217	Red, 2-stage with deflector	100		MTO	\$0.47
2002 Body Components						
2002-BODY	17015600	Bridge	100			\$1.21
2002-IBODY	11917000	Inverted Bridge with Spring	100		MTO	\$2.08
2002-BB-B	17015500	Barbed Housing (base)	100		MTO	\$0.76
2002-FM-B	17015502	Female Housing (base)	100		MTO	\$0.76
2002-QT-B	17015506	Quick Thread Housing (base)	100			\$0.76
2002-38-B	17015504	3/8" Threaded Housing (base)	100		MTO	\$0.76
2002-REG-DPH	17010402	E.P.D.M. Diaphragm	100			\$0.81
2002-TP	17043000	Trunk Protector	100			\$0.47
2002-RD-BR	17015007	Red Bearing	100			\$0.40
2002-CLIP	17015018	Retainer Clip for Diaphragm	100			\$0.40
Stakes for Micro Sprinklers						
STAKE-37R	17097947	Stake 37, Red (2002, 2005)		170		\$1.23



MICRO-SPRINKLERS

2005 AquaMaster Sprinklers

2005 AquaMaster Non-PC Ordering Guide

Series #	Swivel		Base		Nozzle @ 30 PSI		Tube Length		Stake	
166	1	Blue	1	Female	4	Violet (9.2 GPH)	0	No Tube	0	No Stake
	3	Black	2	Quick Thread**	0	Brown (13.2 GPH)	1	24"	5	Stake 37-Red **
	7	Gray	3	3/8" Thread	9	Gray (18.5 GPH)	2	30" **		
	5	Green	4	1/2" Thread	2	Green (27.7 GPH)	3	36"		
	2	Blue-Two Stage			5	Orange (31.7 GPH)	4	48"		
	4	Black-Two Stage			8	Black (42.3 GPH)	5	60"		
	6	Gray-Two Stage			3	Blue (52.8 GPH)				
	8	Green-Inverted*			6	Yellow (66.1 GPH)				
						Red (79.3 GPH)				
Example: 166	3		2		0		2		5	

Catalog Number: 166 3 2 0 2 5








Description: Complete 2005, Black Swivel, Quick Thread Base, and Brown Nozzle, 30" Tubing Lead and Red Stake 37 Assemblies come standard with a Quick Thread Base and 30" PE Lead Tube and Red Stake 37.

Note: Barbed bases use PVC Tubing; Threaded bases use PE Tubing.

* Uses Bridge w/Spring Loaded Bearing

** Standard

2005 AquaMaster Performance Table

Nozzle Color	Nominal Flow (GPH)	Nozzle Diameter (in)	2005 Swivels — Wetted Diameter (feet)							
			Black		Blue		Gray		Green	Green
			Medium Range w/ Deflector	Medium Range	Long Range w/ Deflector	Long Range	Long Range w/ Deflector	Long Range	Extra Long Range	Inverted *
Violet	9	0.03								
			6.6	18						21.3
Brown	13	0.04	6.6	21.3						24.6
Gray	18	0.04								29.5
Green	28	0.06			8.2	23				32.8
Orange	32	0.06			9.8	27.9	6.6	18	29.5	34.4
Black	42	0.07					8.2	19.7	32.8	36.1
Blue	53	0.08					8.2	19.7	34.4	37.7
Yellow	66	0.09					9.8	19.7	36.1	
Red	79	0.09					9.8	23	39.4	

Note: Flow rate and wetted diameter (feet) at 30 PSI. Tested at 10" above ground. Green Inverted tested at 6' above ground.

Model #	Part #	Description	Box Qty	Pallet Qty	Stock Code
2005 Aquamaster Assemblies					
		2005 Head Only (excludes inverted)	500		
2005 Assemblies with PE Tubing					
		24" Tube Length	200		MTO
		30" Tube Length (standard)	200	5600	
		36" Tube Length	200		MTO
		48" Tube Length	150		MTO
		60" Tube Length	150		MTO



2005 AquaMaster Sprinklers

Model #	Part #	Description	Bag Qty	Box Qty	Stock Code	List Price
2005 Nozzles — Quick Thread						
2005-VT-QT-NZ	17019154	Violet (9.2 GPH)	50		MTO	\$1.10
2005-BN-QT-NZ	17019150	Brown (13.2 GPH)	50		MTO	\$1.10
2005-GY-QT-NZ	17019159	Gray (18.5 GPH)	50		MTO	\$1.10
2005-GN-QT-NZ	17019152	Green (27.7 GPH)	50		MTO	\$1.10
2005-OE-QT-NZ	17019155	Orange (31.7 GPH)	50		MTO	\$1.10
2005-BK-QT-NZ	17019158	Black (42.3 GPH)	50		MTO	\$1.10
2005-BE-QT-NZ	17019153	Blue (52.8 GPH)	50		MTO	\$1.10
2005 Nozzle — 3/8" Thread						
2005-VT-38-NZ	17019114	Violet (9.2 GPH)	50		MTO	\$1.10
2005-BN-38-NZ	17019110	Brown (13.2 GPH)	50		MTO	\$1.10
2005-GY-38-NZ	17019119	Gray (18.5 GPH)	50		MTO	\$1.10
2005-GN-38-NZ	17019112	Green (27.7 GPH)	50		MTO	\$1.10
2005-OE-38-NZ	17019115	Orange (31.7 GPH)	50		MTO	\$1.10
2005-BK-38-NZ	17019118	Black (42.3 GPH)	50		MTO	\$1.10
2005-BE-38-NZ	17019113	Blue (52.8 GPH)	50		MTO	\$1.10
2005 Nozzle — 1/2" Thread						
2005-VT-12-NZ	17019124	Violet (9.2 GPH)	50		MTO	\$1.10
2005-BN-12-NZ	17019120	Brown (13.2 GPH)	50		MTO	\$1.10
2005-GY-12-NZ	17019129	Gray (18.5 GPH)	50		MTO	\$1.10
2005-GN-12-NZ	17019122	Green (27.7 GPH)	50		MTO	\$1.10
2005-OE-12-NZ	17019125	Orange (31.7 GPH)	50		MTO	\$1.10
2005-BK-12-NZ	17019128	Black (42.3 GPH)	50		MTO	\$1.10
2005-BE-12-NZ	17019123	Blue (52.8 GPH)	50		MTO	\$1.10
2005 Nozzle — Female Press-Fit						
2005-VT-FM-NZ	17019104	Violet (9.2 GPH)	50		MTO	\$1.10
2005-BN-FM-NZ	17019100	Brown (13.2 GPH)	50		MTO	\$1.10
2005-GY-FM-NZ	17019109	Gray (18.5 GPH)	50		MTO	\$1.10
2005-GN-FM-NZ	17019102	Green (27.7 GPH)	50		MTO	\$1.10
2005-OE-FM-NZ	17019105	Orange (31.7 GPH)	50		MTO	\$1.10
2005-BK-FM-NZ	17019108	Black (42.3 GPH)	50		MTO	\$1.10
2005-BE-FM-NZ	17019103	Blue (52.8 GPH)	50		MTO	\$1.10
2005 Swivels						
2005-BK-1S	17019208	Black	100		MTO	\$0.58
2005-BE-1S	17019203	Blue	100		MTO	\$0.58
2005-GY-1S	17019209	Gray	100		MTO	\$0.58
2005-GN-1S	17019202	Green — Upright	100		MTO	\$0.58
2005-BK-2S	17019228	Black, with deflector	100		MTO	\$0.58
2005-BE-2S	17019223	Blue, with deflector	100		MTO	\$0.58
2005-GY-2S	17019229	Gray, with deflector	100		MTO	\$0.58
2005-GN-IS	17019212	Green - Inverted	100		MTO	\$0.58
2005 Body Components						
2005-BODY	17018600	Bridge	100		MTO	\$0.75
2005-IBODY	11919000	Inverted Bridge with Spring	100		MTO	\$1.44
2005-QT-A	17019308	Quick Thread Adapter	100		MTO	\$0.54
Stakes for Micro Sprinklers						
STAKE-37R	17097947	Stake 37, Red (2002, 2005)		170		\$1.23



MICRO-SPRINKLERS

JAIN Jet

JAIN Jet Ordering Guide

Series #	Jet Pattern	Nozzle Flow @ 20 PSI		Tube Length		Stake		
168	10	A - Full Circle Hi-Lo	1	#30 Black (5.9 GPH)	0	No Tube	0	No Stake
	11	B - Butterfly	2	# 35 Orange (8.5 GPH)	1	24" PE	2	Multi-Stake-Red **
	12	B1 - Butterfly	3	# 40 Blue (10.7 GPH)	2	30" PE		
	13	C - Wrap-Around	4	#45 Violet (14.1 GPH)	3	36" PE **		
	14	D - Modified Butterfly	5	#50 Green (16.7 GPH)	4	48" PE		
	15	E - Full Circle	6	#55 Yellow (20.5 GPH)	5	60" PE		
	16	F - Inverted	7	#60 Red (24.4 GPH)	6	24" PVC		
	17	G - Wrap-Around			7	30" PVC		
	18	H - Half Circle			8	36" PVC		
	19	J2 - Full Circle 16						
	23	K - Butterfly Mist						
	24	L - Quarter Mist						
	25	N - Notch Hi-Lo						
	26	P - 150 Arc (Inverted)						
	27	R - Rectangle						
	28	U - Notch						
	29	V - 100 Arc						
	30	X - Butterfly Rectangle						
	31	Fill In						

Example: 168 10 2 2 2 3 2

Catalog Number: 168 10 2 2 2

Description: JAIN Jet, A Pattern, #35 (Orange) Nozzle, 36" Tubing Lead and Multi-Stake Red

Some flow patterns and lead lengths are special order. Please call to check your specification.







** Standard







Model #	Part #	Description	Bag Qty	Pallet Qty	Stock Code	Stock Code	List Price
		JAIN Jet Head Only	1000			MTO	
		24" Tube Assembly			MTO	MTO	
		30" Tube Assembly		4800		MTO	
		36" Tube Assembly (standard)	200		MTO	MTO	
		48" Tube Assembly			MTO	MTO	
		60" Tube Assembly			MTO	MTO	



JAIN Jet

JAIN Jet Performance Table

Nozzle Size	Flow Rate (GPH at 20 PSI)	Diameter (ft)							
		Pattern A		Pattern B	Pattern B1	Pattern C	Pattern D	Pattern E	Pattern F (inverted)
		High Stream	Low Stream						
#30 Black		6	14	10	16	17	12	11	12
#35 Orange		8.4	17	13	18	18	16	12	14
#40 Blue		10.7	19	15	20	21	19	13	15
#45 Violet		14.1	22	17	21	22	22	14	17
#50 Green		16.7	25	19	22	24	22		17
#55 Yellow		20.5	27	20		27	27		19
#60 Red		24	28	22		28	29		21

Nozzle Size	Flow Rate (GPH at 20 PSI)	Diameter (ft)							
		Pattern N		Pattern G	Pattern H	Pattern J2	Pattern K	Pattern L	Pattern U
		High Stream	Low Stream						
#30 Black	6	14	10	9	14	9	8	4	14
#35 Orange	8.4	17	13	12	16	11	8	4	17
#40 Blue	10.7	19	15	13	17	12	8	5	19
#45 Violet	14.1	22	17	14	18	14	9	5	22
#50 Green	16.7	25	19			16	9	6	25
#55 Yellow	20.5	27	20				9	7	26
#60 Red	24	28	22				11	7	28

Nozzle Size	Flow Rate (GPH at 20 PSI)	Diameter (ft)							
		Pattern P (Inverted)		Pattern R		Pattern V		Pattern X	
		Radius	'W' Dimension	Length	Width	Radius	'W' Dimension	Length	Width
#30 Black		6	8	15	13	6	7	11	15
#35 Orange		8.4	9	16.5	15	7	8	11.5	19
#40 Blue		10.7	10	18.5	16	9	8	12.5	19
#45 Violet		14.1	11	20.5	17	10	9	14	22
#50 Green		16.7	12	22	19	13			24
#55 Yellow		20.5			21	17			25
#60 Red		24			24	22			27

MICRO-SPRINKLERS

Smart Jet PC

Smart Jet PC Ordering Guide

Series #	Pattern Description	Nozzle	Tube	Stake
187	10 A -Full Circle*	1 30 Black	0 No Tube	0 No Stake
	13 C - Wrap-Around	2 35 Orange	1 24" PE	2 Multi-Stake*
	19 J2 - Full Circle - 16 Jet	3 40 Blue	2 30" PE	
	28 U - Wrap-Around	4 45 Violet	3 36" PE	
		5 50 Green	4 48" PE	
		6 55 Yellow	5 60" PE	
		7 60 Red	6 24" PVC	
		8 65 Brown	7 30" PVC	
Example: 187	28	5	2	2

Catalog Number: 187 28 5 2 2

Description: Smart Jet PC, U-Wrap-Around pattern, Green Nozzle, 30" tube and Multi-Stake.
Some flow patterns and lead lengths are special order. Please call to check your specification.

* Standard Configuration











Description	Box Qty	Stock Code	List Price
Smart Jet			
Head Only	1000		\$
Smart Jet PC Assemblies			
24" Tube Length		MTO	
30" Tube Length		MTO	
36" Tube Length*		MTO	
48" Tube Length		MTO	
60" Tube Length		MTO	

* Standard Configuration



MICRO-SPRINKLERS

Smart Jet PC Performance

Nozzle Color	Outlet Diameter (in)	Flow Rate (GPH)	Pressure (PSI)	Diameter (ft)						
				A (High)	A (Low)	C	J	U		
				Full Circle 12 jets	Full Circle 12 jets	210° 8 jets	Full Circle 16 jets	270° 10 jets		
Black	0.033	5.7	20		16	14	16		11	13
Orange	0.041	8.2	20		17	14	17		13	16
Blue	0.045	9.8	20		17	15	19		15	18
Violet	0.049	12.1	20		18	16	19		15	18
Green	0.053	14.5	20		20	18	21		17	21

Note: Wetted diameter tested at 10" above ground. Performance table prepared under laboratory conditions.

Micro-Sprinkler and Jet Accessories

Model #	Part #	Description	Box Qty	Stock Code	List Price
Stakes for JAIN Jets and Smart Jets					
MS-12DR	12501132	Multi Stake (Jets)	250		\$0.94
MS-12DR-36PE	22020071	Multi stake with 36" lead and barb	150		\$1.43
STAKE-37R	17097947	Stake 37 (2002,2005)	170		\$1.23
Accessories					
170-TB	12290009	1/4" Barb Coupling (PE Feed Tube)	5000		\$0.18
47-TB	17097032	Barb 4/7 x 4/7 (PVC Vinyl Feed Tube)	2800		\$0.19
JJ-PR	12010595	Locking Collar (PVC Vinyl JAIN Jet Assemblies)		MTO	\$5.95
JJ-TOPHAT	12501143	JAIN Jet Top Hat	3000		\$0.41
SJ-TOPHAT	12501136	Smart Jet Top Hat	3000		
Tools					
31-APPT	12290170	JAIN Jet punch (.160 - .170 ID tubing)	10		
PP-47	17097785	3.2 mm punch (4/7 tubing)	10		\$21.38

Accessories



47-TB



170-TB

Tools



PP-47



JJ-PR

Stakes for Modular Sprinklers



MS-12DR*

Stakes for Modular Sprinklers



JJ-TOPHAT



47-COLLAR

JJ-TOPHAT

Model #	Part #	Description	Bag Qty	Box Qty	Stock Code	List Price
PVC Tube Assembly for Barbed Bases (uses 4/7 Barb, 17097032), Tube Lead 276 x 158-PVC						
TA-PVC-BB-24	11997006	24" PVC Tubing Assy for Barbed Bases	100	1000	MTO	
TA-PVC-BB-30	11997008	30" PVC Tubing Assy for Barbed Bases	100	1000		
TA-PVC-BB-36	11997012	36" PVC Tubing Assy for Barbed Bases	100	1000	MTO	
TA-PVC-BB-48	11997016	48" PVC Tubing Assy for Barbed Bases	100		MTO	
TA-PVC-BB-60	11997018	60" PVC Tubing Assy for Barbed Bases	100		MTO	
TA-PVC-BB-72	11997010	72" PVC Tubing Assy for Barbed Bases	100		MTO	
PE Tube Assembly for Threaded Bases (uses 170-TB, 12290009), Tube Lead 250 x 160-PE						
TA-PE-BB-18	11997164	18" PE Tubing Assy for Threaded Bases	100	1000	MTO	
TA-PE-BB-24	11997160	24" PE Tubing Assy for Threaded Bases	100	1000	MTO	
TA-PE-BB-30	11997162	30" PE Tubing Assy for Threaded Bases	100	1000		
TA-PE-BB-36	11997163	36" PE Tubing Assy for Threaded Bases	100	1000	MTO	
TA-PE-BB-48	11997166	48" PE Tubing Assy for Threaded Bases	100		MTO	
TA-PE-BB-60	11997168	60" PE Tubing Assy for Threaded Bases	100		MTO	



MICRO-SPRINKLERS

Modular Sprinklers

Modular Ordering Guide

Series #	Swivel / Spreader	Super LPD (Black)	Nozzle @ 30 PSI	Base/Tube	Stake
161	1 Small Round (Black)	0 None	4 Violet (9.2 GPH)	0 None	0 None
	2* One-Sided (Black)	6 Antimist	0 Brown (11.4 GPH)	9 Butterfly - Barb w/12" Tube	1 Stake 31 Black
	3 Big (Orange Oblong)	8 LPD - Female **	9 Gray (18.5 GPH)	5 Butterfly - Barb w/18" Tube	3 Stake 31 Red**
	4 Anti-Ant (Red/Black)	9 LPD - Female and Antimist **	2 Green (27.7 GPH)	1 Butterfly - Barb w/24" Tube	9 Weight
	5 Inverted (Green Kiwi)	7 LPD - Barb and Antimist	5 Orange (31.7 GPH)	2 Butterfly - Barb w/30" Tube **	
	6 12 Jet (Green)	5 LPD - 3/8"	6 Yellow (42.3 GPH)	3 Butterfly - Barb w/36" Tube	
	7 Flat (Yellow)		3 Blue (52.8 GPH)	4 Butterfly - Barb w/48" Tube	
	8 180° (Red)		1 Ivory (62.1 GPH)	6 3/8" Male - Base	
	9 Close Range (Orange Concave)		7 Red (68.7 GPH)	7 1/2" Male - Base	
	0 Mist (Violet)		8 Black (79.3 GPH)	8 Butterfly - Quick Thread	
	A 90° (Black)				
	B Strip (Blue)				
	C* One-Sided (Blue)				

Example: 161 1 9 3 2 9

Catalog Number: 161 1 9 3 2 9

Description: Modular Bridge Assembly, Small Round Black Swivel, LPD Female and Antimist, Blue Nozzle, Butterfly Barb with 30" Tubing Lead and Weight

* For Upright Use Only

** Standard



Modular Sprinklers

Nozzle Color	Anti-mist Color	Flow Rate [GPH]	Nozzle Diam. [in]	Wetted Diameter (ft)							
				Swivels						Inverted* (Green Kiwi)	
				Small Round (Black)	Anti-Ant (Red/Black)	One-Sided (Black)	One-Sided (Blue)	Big (Orange Oblong)			
									Height (feet)		
									2"	4"	6"
Violet		9.2	0.032	19.7	19.7	21.3			16.4	19.7	19.7
Brown		11.4	0.037	19.7	21.3	23			18	19.7	21.3
Gray		18.5	0.046	21.3	21.3	24.6			21.3	21.3	24.6
Green		27.7	0.056	21.3	23	26.2		29.5	26.2	26.2	27.9
Orange		31.7	0.059	21.3	24.6	26.2		29.5	26.2	27.9	29.5
Yellow		42.3	0.068	21.3	26.2	27.9	26.2	31.2	29.5	29.5	31.2
Blue		52.8	0.076		27.9	29.5	27.9	31.2	29.5	29.5	32.8
Ivory		62.1	0.081			31.2	29.5	32.8	29.5	31.2	34.4
Red		68.7	0.086			32.8	32.8	32.8	29.5	32.8	36.1
Black		79.3	0.092			34.4	34.4	32.8	31.2	32.8	36.1
Green	Green	10.6	0.037	13.1					14.8	16.4	19.7
Orange	Orange	18.5	0.046	16.4					19.7	23	24.6
Yellow	Yellow	23.8	0.055	18					19.7	23	26.2
Blue	Blue	31.7	0.059	19.7					21.3	26.2	26.2

Nozzle Color	Anti-mist Color	Flow Rate [GPH]	Nozzle Diam. [in]	Wetted Diameter (ft)							
				Static Spreaders						Flat (Yellow)	12 Jet (Green)
				90° (Black)	180° (Red)	Mist (Violet)	Strip (Blue)	Close-Range (Orange Concave)			
Violet		9.2	0.032	5.6	7.2	4.9	10.5	3	9.2	11.2	
Brown		11.4	0.037	5.6	8.2	5.9	13.8	3	11.2	14.8	
Gray		18.5	0.046	8.2	8.9		27.9	3	11.2	18	
Green		27.7	0.056	11.5	8.9		29.5	3	11.2	19.7	
Orange		31.7	0.059	14.8	8.9		29.5	3	13.1	19.7	
Green	Green	10.6	0.037	6.6	3.9		9.2	2.6	11.5	8.2	
Orange	Orange	18.5	0.046	7.2	7.2		16.4	2.6	11.5	14.8	
Yellow	Yellow	23.8	0.055	8.2	8.2		18	3	13.1	16.4	
Blue	Blue	31.7	0.059	8.2	8.9		23	3.3	13.1	19.7	

* Flow rate and wetted diameter (feet) at 29 PSI and 10" above ground level. Inverted swivel at 2', 4' and 6'.
 Highlights Area depicts - **Not Recommended and Voids Warranty**

MICRO-SPRINKLERS

Modular Sprinklers

Description	Box Qty	Stock Code	List Price
Modular Bridge Assemblies			
Bridge Assemblies without Antimist	2500		
Bridge Assemblies with Antimist	1750	MTO	
Bridge Assemblies with LPD and without Antimist	750	MTO	
Bridge Assemblies with LPD and Antimist	650	MTO	

Note: Tube assemblies are available upon request with substitution of the Butterfly barb with the Barbed LPD.



Model #	Part #	Description	Box Qty	Stock Code	List Price
Modular Group Bridge					
MOD-BODY	17050600	Bridge	100		\$
Modular Group Nozzles					
MOD-VT-NZ	17050104	Violet (9.2 GPH)	100		\$0.36
MOD-BN-NZ	17050100	Brown (11.4 GPH)	100		\$0.36
MOD-GY-NZ	17050109	Gray (18.5 GPH)	100		\$0.36
MOD-GN-NZ	17050102	Green (27.7 GPH)	100		\$0.36
MOD-OE-NZ	17050105	Orange (31.7 GPH)	100		\$0.36
MOD-YW-NZ	17050106	Yellow (42.3 GPH)	100		\$0.36
MOD-BE-NZ	17050103	Blue (52.8 GPH)	100		\$0.36
MOD-IY-NZ	17050101	Ivory (62.1 GPH)	100	MTO	\$0.36
MOD-RD-NZ	17050107	Red (68.7 GPH)	100		\$0.36
MOD-BK-NZ	17050108	Black (79.3 GPH)	100		\$0.36
Modular Antimist					
MOD-GN-AM	17050012	Green (.035")	100		\$0.49
MOD-OE-AM	17050015	Orange (.047")	100		\$0.49
MOD-YW-AM	17050016	Yellow (.055")	100		\$0.49
MOD-BE-AM	17050013	Blue (.060")	100		\$0.49



MICRO-SPRINKLERS

Modular Sprinklers

Model #	Part #	Description	Box Qty	Stock Code	List Price
Modular Static Spreaders - 7000 Series					
MOD-90-S	17050308	90° (Black)	100		\$0.48
MOD-180-S	17050317	180° (Red)	100		\$0.48
MOD-VMD-S	17050314	Mist (Violet)	100		\$0.48
MOD-BS-S	17050303	Strip (Blue)	100	MTO	\$0.48
MOD-OC-S	17050305	Close-Range (Orange Concave)	100		\$0.48
MOD-YF-S	17050306	Flat (Yellow)	100		\$0.48
MOD-GJ-S	17050302	12 Jet (Green)	100		\$0.48
Modular Swivel — 8000 Series					
MOD-BR-S	17050218	Small Round (Black)	100		\$0.48
MOD-IPS-S	17050217	Anti Ant - (Red) Swivel	100	MTO	\$0.48
MOD-IPC-S	17050220	Anti Ant - (Black) Cup	100	MTO	\$0.48
MOD-BKS-S	17050208	One Sided (Black)	100		\$0.48
MOD-BES-S	17050228	One Sided (Blue)	100	MTO	\$0.48
MOD-OO-S	17050215	Big (Orange Oblong)	100		\$0.48
MOD-GK-S	17050202	Inverted (Green Kiwi)	100		\$0.48
Stakes for Micro Sprinklers					
STAKE-31R	17097907	Spike 31 Red (Modular)	550		\$1.13
STAKE-31B	17097908	Spike 31 Black (Modular)	550	MTO	\$1.13



Modular Spreaders - 7000 Series



MOD-YF-S

Stakes for Micro Sprinklers



STAKE-31R



STAKE-31B

Green Spin

Green Spin Ordering Guide

Series #	Super LPD		Nozzle @ 30 PSI		Base		Tube	
1280	0	None	0	Brown (11.4 GPH)	0	None	0	None
	6	Antimist	2	Green (27.7 GPH)	1	Butterfly	1	12" with weight
	8	LPD - Female (standard)	3	Blue (52.8 GPH)	7	1/2" Male - Base	2	18" with weight
	9	LPD - Female and Antimist (standard)	5	Orange (31.7 GPH)	9	Fast-n-Fast (for Barbed LPD)	3	24" with weight
	7	LPD - Barb	8	Black (42.3 GPH)			4	30" with weight
	5	LPD - Barb and Antimist	9	Gray (18.5 GPH)			5	36" with weight
	2	LPD - 3/8"					6	48" with weight
	4	LPD - 3/8" and Antimist					7	60" with weight
	1	LPD - Barb/Bayonet						
3	LPD - Barb/Bayonet & Antimist							
1280	9	5	9	1				

Catalog Number: 1280 9 5 9 1

Description: GreenSpin Assembly, LPD - Female and Antimist, Orange Nozzle, Butterfly and 12" Tubing with weight

Note: No tubing needed if a base is ordered.

MICRO-SPRINKLERS

Model #	Part #	Description	Bag Qty	Box Qty	Stock Code	List Price
Green Spin Assemblies						
		Green Spin		1750		\$
		Green Spin with Antimist		1000	MTO	
		Green Spin with LPD		600	MTO	
		Green Spin with LPD and Antimist		600	MTO	
Green Spin Antimist Nozzles - Press Fit						
MOD-GN-AM	17050012	Green (0.035")	100	3500		\$0.49
MOD-OE-AM	17050015	Orange (0.047")	100	3500		\$0.49
MOD-YW-AM	17050016	Yellow (0.055")	100	3500		\$0.49
MOD-BE-AM	17050013	Blue (0.060")	100	3500		\$0.49
Green Spin Antimist Nozzles - Bayonet						
BAY-GN-AM	17050112	Green (0.035")	100	3500	MTO	
BAY-OE-AM	17050115	Orange (0.047")	100	3500	MTO	
BAY-YW-AM	17050116	Yellow (0.055")	100	3500	MTO	



Green Spin Female Press Fit



Green Spin Bayonet



Green Spin and LPD



MOD-GN-AM



BAY-OE-AM

Green Spin

Performance Table - Green Spin *with* Antimist

Nozzle Color	Antimist Nozzle Color	Flow Rate (GPH)	Nozzle (inches)	Height (feet)	Wetted Diameter (feet)	
					Gray Swivel	Black Swivel
Orange	Orange	18.5	0.047	2	18.0	
				4	21.3	
				6	26.2	
				10	29.5	
Black	Yellow	23.8	0.057	2		16.4
				4		21.3
				6		24.6
				10		27.9
Blue	Blue	31.7	0.063	2		18.0
				4		23.0
				6		24.6
				10		29.5

* Flow rate and wetted diameter at 30 psi. Tested at 6' above ground.

Performance Table - Green Spin *without* Antimist

Nozzle Color	Flow Rate (GPH)	Nozzle (inches)	Wetted Diameter (feet)	
			Gray	Black
Brown	11.4	0.04	24.6	-
Gray	18.5	0.05	29.5	-
Green	27.7	0.06	29.5	-
Orange	31.7	0.06	31.2	-
Black	42.3	0.07	-	29.5
Blue	52.8	0.08	-	31.2

* Flow rate and wetted diameter at 30 psi. Tested at 6' above ground

** Old Swivel now black in color.



Misters and Foggers

Misters and Foggers Ordering Guide

Model #	Mount	Super LPD	Nozzle @ 30psi	Base	Tubing					
128	2	One Fogger	0	None	0	None	0	None	0	None
	5	2-Way Tee	7	LPD (Blue) - Female (standard)*	3	Blue	1	Butterfly - Barb (standard)	1	12" with weight
	1	4-Way Cross	8	LPD (Black) - Female (standard)**	5	Orange	2	1/2" Male - Base	2	18" with weight
	9	Green Mist	6	LPD (Blue) - Barb	7	Red	3	Fast-n-Fast	3	24" with weight
			3	LPD (Black) - Barb	8	Black			4	30" with weight
			5	LPD (Blue) - 3/8"	2	Green (Green Mist)			5	36" with weight
			2	LPD (Black) - 3/8"	9	Plug			6	48" with weight
									7	60" with weight

Catalog Number: 128 1 8 8 1 5

Description: Fogger, 4-Way Cross, LPD (Black), Black Nozzle, Butterfly Barb and 36" Tubing with Weight

Note: No tubing needed if a base is ordered.

* LPD (Blue) - High Pressure applications, Opens @ 55psi, Closes @ 35psi, -Nominal Pressure

** LPD (Black) - Low Pressure applications, Opens @ 20psi, Closes @ 9psi, -Nominal Pressure

Standard assemblies come with vinyl tubing.

Note: No tubing needed if a base is ordered.

MICRO-SPRINKLERS

Mister Fogger Selection Guide

Product	Nozzle Color	Super LPD Color	Pressure (PSI)	Nominal Flow (GPH)		
				Single Nozzle	2-Way Tee	4-Way Cross
Dan Fogger	Blue	Blue	58	1.8	3.6	7.2
	Orange	Blue	58	3.6	7.2	14.4
	Red	Blue	58	5.4	10.8	21.6
	Black	Blue	58	7.4	14.8	29.6
Green Mist	Green	Black	30	7.9		

Model #	Part #	Description	Box Qty	Stock Code	List Price
Mister and Fogger Assemblies					
		Single Fogger with LPD	1000	MTO	
		2-Way-Fogger Assembly with LPD	400	MTO	
		4-Way Cross Fogger Assembly with LPD	350	MTO	



Misters and Foggers

Model #	Part #	Description	Bag Qty	Box Qty	Stock Code	List Price
Green Mist Assemblies and Nozzle						
GM-LPD-FM	12898200	Green Nozzle 7.96 GPH with LPD	50	400	MTO	\$5.22
GM-NZ	12890200	GreenMist Nozzle, 7.9 GPH	50	800	MTO	\$2.70
Fogger Nozzles and Components						
FOG-BE-NZ	12820300	Blue Nozzle (1.8 GPH)	100	800		\$2.29
FOG-OE-NZ	12820500	Orange Nozzle (3.6 GPH)	100	800		\$2.29
FOG-RD-NZ	12820700	Red Nozzle (5.4 GPH)	100	800	MTO	\$2.29
FOG-BK-NZ	12820800	Black Nozzle (7.2 GPH)	100	800	MTO	\$2.29
FOG-4W	17091014	4-Way Cross for Fogger	50	500		\$2.63
FOG-2W	17091020	2-Way Tee for Fogger	50	400		\$2.51
FOG-45	17091018	45 Degree Angle for Fogger	50	400	MTO	\$0.87
FOG-PLUG	17050018	Plug for Sprinkler and Fogger Assemblies	100	800		\$0.40

Mister Components



GM-NZ

Mister Components



FOG-BE-NZ



FOG-2W



FOG-OE-NZ



FOG-45



FOG-RD-NZ



FOG-PLUG



FOG-4W

LPD and Suspending Micro-Sprinkler Accessories

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Stock Code	List Price
Super LPD - Leak Prevention Devices							
LPD-LP-FM-MA	11990308	Low-Pressure, Female	50	600			\$3.14
LPD-LP-BB-MA	11990328	Low-Pressure, 4/7	50	600	MTO		\$3.14
LPD-LP-38-MA	11990348	Low-Pressure, 3/8" use with Dramm Grommet 12291066	50	600			\$3.14
LPD-LP-BB-BY	11990228	Low-Pressure, 4/7 x bayonet	50	600	MTO		\$3.14
LPD-LP-BY-BY	11990258	Low-Pressure, bayonet x bayonet	50	600	MTO		\$3.14
LPD-HP-FM-MA	11990303	High-Pressure, female	50	600			\$3.14
LPD-HP-BB-MA	11990323	High-Pressure, 4/7	50	600	MTO		\$3.14
LPD-HP-38-MA	11990343	High-Pressure, 3/8" use with Dramm Grommet 12291066	50	600	MTO		\$3.14
LPD-HP-FM-MA	11990303	High-Pressure, female (upstream connection)	50	600	MTO		\$3.14
LPD-HP-BB-MA	11990323	High-Pressure, 4/7 (upstream connection)	50	600	MTO		\$3.14
LPD-HP-38-MA	11990343	High-Pressure, 3/8" use with Dramm Grommet 12291066 (upstream connection)	50	600	MTO		\$3.14
Note: Low Pressure = Black (opens at 20 psi), Medium Pressure = Green (opens at 44 psi), High Pressure = Blue (opens at 60 psi).							
Retrofit Super LPD - Leak Prevention Devices							
RLPD-LP-MA-FM	11990488	Low-Pressure, retrofit male x retrofit female	50	600	MTO		\$3.14
RLPD-LP-BB-FM	11990428	Low-Pressure, 4/7 x retrofit female	50	600	MTO		\$3.14
RLPD-LP-38-FM	11990448	Low-Pressure, 3/8" x retrofit female use with Dramm Grommet 12291066	50	600	MTO		\$3.14
RLPD-LP-MA-MA	11990388	Low-Pressure, retrofit male x taper male	50	600	MTO		\$3.14
RLPD-LP-MA-BY	11990288	Low-Pressure, retrofit male x bayonet	50	600	MTO		\$3.14
RLPD-HP-MA-FM	11990483	High-Pressure, retrofit male x retrofit female	50	600	MTO		\$3.14
RLPD-HP-BB-FM	11990423	High-Pressure, 4/7 x retrofit female	50	600	MTO		\$3.14
RLPD-HP-38-FM	11990443	High-Pressure, 3/8" x retrofit female use with Dramm Grommet 12291066	50	600	MTO		\$3.14
Note: Low Pressure = Black (opens at 20 psi), Medium Pressure = Green (opens at 44 psi), High Pressure = Blue (opens at 60 psi).							
LPD Accessories							
LPD-FILTER	17090300	Filter for Super LPD	100	700		MTO	\$0.35
LPD-DPH	11992403	Diaphragm for Super LPD	100	1000		MTO	\$1.78

MICRO-SPRINKLERS

Super LPD - Leak Prevention Devices



RLPD-LP-MA-FM



RLPD-LP-MA-BY



RLPD-LP-BB-FM



RLPD-HP-MA-FM



RLPD-LP-38-FM



RLPD-HP-BB-FM



RLPD-LP-MA-MA



RLPD-HP-38-FM

LPD Accessories



LPD-FILTER

LPD and Suspending Micro-Sprinkler Accessories

Model #	Part #	Description	Box Qty	Box Wt	Stock Code	List Price
Butterfly - Adapters						
MOD-BF-38T47B	17097030	Butterfly 3/8" x 4/7	100	1200		\$0.70
MOD-BF-47B	17090710	Butterfly Barb 4/7, Black	100	1200		\$0.70
MOD-BF-38T	17097016	Butterfly 3/8"	100	1200		\$0.70
MOD-BF-QT	17097017	Butterfly Quick Thread	100	1200		\$0.70
MOD-38-B	17097002	3/8" Male Threaded Base	100	1200		\$1.32
MOD-12-B	17097001	1/2" Male Threaded Base	100	1200		\$1.32
Bayonets						
HAD-12-BY	17484921	1/2" Bayonet Base	100	1200		\$1.42
HAD-38-BY	17484931	3/8" Bayonet Base for Rigid Pipes	100	1200	MTO	\$1.42
HAD-FM-BY	17497051	Bayonet Female Base	100	2800		\$0.55
HAD-MA-BY	17497041	Bayonet Male Connector	100	2800	MTO	\$0.55
HAD-PG-BY	17497031	Bayonet Plug	100	2800	MTO	\$0.55

Note: Low Pressure = Black (opens at 20 psi), Medium Pressure = Green (opens at 44 psi), High Pressure = Blue (opens at 60 psi).

Butterfly - Adapters



Bayonets



Suspending Micro-Sprinkler Accessories

Model #	Part #	Description	Bag Qty	Box Qty	Stock Code	List Price
Stabilized Hanging Sprinkler Tube Assembly with Barb						
TA-PVC-BF-BB-24	11997030	24" Tube Assembly and Butterfly	100	400		\$1.88
TA-PVC-BF-BB-30	11997032	30" Tube Assembly and Butterfly	100	400		\$2.00
TA-PVC-BF-BB-36	11997036	36" Tube Assembly and Butterfly	100	400		\$2.00
TA-PVC-BF-BB-48	11997040	48" Tube Assembly and Butterfly	100	400	MTO	\$2.30
TA-PVC-BF-BB-60	11997042	60" Tube Assembly and Butterfly	100		MTO	\$2.51
TA-PVC-BF-BB-WT-48	11997152	48" Tube Assembly and Butterfly	100			\$3.31
TA-PVC-BF-BB-WT-60	11997155	60" Tube Assembly and Butterfly	100		MTO	\$3.52
Stabilized Hanging Sprinkler Tube Assembly w/ Barb						
TA-PVC-BF-BB-WT-12	11997140	12" Tube Assembly and Butterfly	100	200		\$2.70
TA-PVC-BF-BB-WT-18	11997142	18" Tube Assembly and Butterfly	100	400	MTO	\$2.81
TA-PVC-BF-BB-WT-24	11997143	24" Tube Assembly and Butterfly	100	200		\$2.86
TA-PVC-BF-BB-WT-30	11997146	30" Tube Assembly and Butterfly	100	200	MTO	\$2.99
TA-PVC-BF-BB-WT-36	11997149	36" Tube Assembly and Butterfly	100	150		\$3.10
TA-PVC-BF-BB-WT-48	11997152	48" Tube Assembly and Butterfly	100	200		\$3.31
TA-PVC-BF-BB-WT-60	11997155	60" Tube Assembly and Butterfly	100	200	MTO	\$3.52
Hanging Sprinkler Accessories						
FNF-CON	11990100	Fast-n-Fast	100	700	MTO	\$1.21
FNF-PLUG	17091239	Plug for Fast-n-Fast	100	2800	MTO	\$0.33
WEIGHT	17097051	Stabilizer weight 5 1/2 for suspended stand	50	500		\$0.87
MOD-BF-47B	17090710	Butterfly 4/7 Barb, black	100			\$0.70
47-TB	17097032	Barb 4/7 x 4/7 (PVC Vinyl Feed Tube)	100	2800		\$
32-DRAMM GR	12291066	3/8" Dramm Grommet				\$
Tools						
PP-47	17097785	3.2 mm punch (4/7 tubing)	1	10		\$



MICRO-SPRINKLERS

Accessories



FNF-CON



FNF-PLUG



WEIGHT



MICRO-SPRINKLERS



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- I-02** Injectors
- I-04** AirJection Injectors
- I-05** Suction and Bypass Kits
- I-06** Parts and Accessories

Injectors

Injector Product Range - Models and Kit Assemblies

Injector Model #	MNPT PVDF Black	MNPT PP Black	Injector Size In/Out MNPT	Maximum Suction @50 PSI GPH	Suction @3.4 Bars LPH	Suction Line Kit Only	Bypass & Suction Line Kit	Suction Port Dimensions
283	X	X	1/2"	6.0	22.7	K184	K184-A	1/4" Barb ID Suction Port
287	X	X	1/2"	8.3	31.4	K184	K184-A	1/4" Barb ID Suction Port
384	X	X	1/2"	14.1	53.4	K184	K184-A	1/4" ID Barb & 1/4" Nom. Pipe Size Suction
384X	X	X	1/2"	33.9	128.4	K184	K184-A	1/4" ID Barb & 1/4" Nom. Pipe Size Suction
484	X	X	1/2"	17.4	65.9	K184	K184-A	1/4" ID Barb & 1/4" Nom. Pipe Size Suction
584C	X	X	1/2"	25.6	96.9	K184	K184-A	1/4" ID Barb & 1/4" Nom. Pipe Size Suction
484A	X	X	3/4"	17.4	65.9	K184	K184-B	1/4" ID Barb & 1/4" Nom. Pipe Size Suction
484X	X		3/4"	41.7	157.8	K184	K184-B	
584	X	X	3/4"	25.6	96.9	K184	K184-B	1/4" ID Barb and 1/4" Nominal Pipe Thread
684	X		3/4"	25.0	95.0	K184	K184-B	
878-03	X	X	1"	74.8	283.0	K183/ KR183	K181-A-02	
885X-02	X	X	1"	140.0	530.0	K183/ KR183	K181-A-02	
1078-03	X	X	1"	92.4	350.0	K183/ KR183	K181-A-02	1/2" ID Barb and 1/2" Nom. Pipe Diameter
1583A	X	X	1 1/2"	227.0	860.0	K183/ KR183	K183-A	1/2" ID Barb and 1/2" Nom. Pipe Diameter
1585X	X	X	1 1/2"	323.0	1222.0	K183/ KR183	K183-A	1/2" ID Barb and 1/2" Nom. Pipe Diameter
1587	X	X	1 1/2"	261.0	988.0	K183/ KR183	K183-A	1/2" ID Barb and 1/2" Nom. Pipe Diameter
2081A	X	X	2"	631.0	2388.0	K282/ KR282	K282-A	1.25" Nominal Pipe Size
2083X	X	X	2"	1175.0	4448.0	K282/ KR282	K282-A	1.25" Nominal Pipe Size
3090	X		3"	1236.0	4678.0	N/A	N/A	1.5" Nominal Pipe Size
4091	X		4"	2820.0	10673.0	N/A	N/A	2" Nominal Pipe Size

Note: The 1" injectors with Model # ending in 02 have a check valve design that is the same as the 1 1/2" injectors.

FERTIGATION

Model #	Part #	Description	Box Qty	Box Wt (lbs)	Stock Code	List Price
Mazzei Injectors - Polypropylene						
283-PP	14000000	1/2" MNPT - 1/4" Barb ID Suction Port	1	0.2		\$60.99
287-PP	14000001	1/2" MNPT - 1/4" Barb ID Suction Port	1	0.2		\$60.99
384-PP	14000002	1/2" MNPT	1	0.2		\$86.86
384X-PP	14000441	1/2" MNPT	1	0.2		\$86.86
484-PP	14000003	1/2" MNPT	1	0.2		\$86.86
584C-PP	14000004	1/2" MNPT	1	0.2	MTO	\$86.86
484A-PP	14000005	3/4" MNPT	1	0.3		\$86.86
584-PP	14000006	3/4" MNPT	1	0.3		\$86.86
878-03-PP	14000007	1" MNPT	1	0.4		\$142.75
885X-02-PP	14000008	1" MNPT	1	0.4		\$142.75
1078-03-PP	14000009	1" MNPT	1	0.4		\$142.75
1583A-PP	14000010	1 1/2" MNPT	1	0.6		\$179.08
1585X-PP	14000011	1 1/2" MNPT	1	0.6		\$201.14
1587-PP	14000012	1 1/2" MNPT	1	0.6	MTO	\$201.14
2081A-PP	14000013	2" MNPT	1	0.9		\$129.95
2083X-PP	14000014	2" MNPT	1	0.9		\$364.64



Injectors

Model #	Part #	Description	Box Qty	Box Wt (lbs)	Stock Code	List Price
Mazzei Injectors - PVDF * 1/2" MNPT						
283-PVDF	14000100	1/2" MNPT	1	0.2	MTO	\$98.27
287-PVDF	14000101	1/2" MNPT	1	0.2	MTO	\$98.27
384-PVDF	14000102	1/2" MNPT	1	0.3	MTO	\$110.70
384X-PVDF	14000103	1/2" MNPT	1	0.3	MTO	\$110.70
484-PVDF	14000104	1/2" MNPT	1	0.3		\$110.70
584C-PVDF	14000105	1/2" MNPT	1	0.3	MTO	\$110.70
Mazzei Injectors - PVDF * 3/4" MNPT						
484A-PVDF	14000106	3/4" MNPT	1	0.3		\$110.70
484X-PVDF	14000107	3/4" MNPT	1	0.3		\$110.70
584-PVDF	14000108	3/4" MNPT	1	0.3		\$110.70
684-PVDF	14000109	3/4" MNPT	1	0.3		\$110.70
Mazzei Injectors - PVDF * 1" MNPT						
878-03-PVDF	14000110	1" MNPT	1	0.5		\$216.71
885X-02-PVDF	14000111	1" MNPT	1	0.5		\$216.71
1078-03-PVDF	14000112	1" MNPT	1	0.5		\$216.71
Mazzei Injectors - PVDF * 1 1/2" MNPT						
1583A-PVDF	14000113	1 1/2" MNPT	1	0.9		\$310.07
1585X-PVDF	14000114	1 1/2" MNPT	1	0.9	MTO	\$310.07
1587-PVDF	14000115	1 1/2" MNPT	1	0.9	MTO	\$310.07
Mazzei Injectors - PVDF * 2" MNPT						
2081A-PVDF	14000116	2" MNPT	1	1.3		\$565.78
2083X-PVDF	14000117	2" MNPT	1	1.4	MTO	\$565.78
Mazzei Injectors - PVDF * 3" and 4" MNPT						
3090-PVDF	14000118	3" MNPT	1	4.0	MTO	\$2,276.07
4091-PVDF	14000119	4" MNPT	1	10.7	MTO	\$3,873.47

Note: Mazzei is a trademark of Mazzei Injector Company, LLC.

* PVDF models are used with Chlorine, Sulphuric and Nitric Acid applications.



FERTIGATION

AirJection Injectors

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Stock Code	List Price
Individual (A-Series) AirJection Injectors - PVDF							
A3	14000200	1/2" MNPT Red	1	50	7.6	MTO	\$63.86
A4	14000201	1/2" MNPT Beige	1	50	7.6	MTO	\$63.86
A5	14000202	1/2" MNPT Orange	1	50	7.6	MTO	\$63.86
A7	14000203	1/2" MNPT Yellow	1	50	7.6	MTO	\$63.86
A9	14000204	1/2" MNPT Lime Green	1	50	7.6	MTO	\$63.86
A10	14000205	1/2" MNPT Dark Green	1	50	7.6	MTO	\$63.86
A12	14000206	1/2" MNPT Blue	1	50	7.6	MTO	\$63.86
A14	14000207	1/2" MNPT Purple	1	50	7.6	MTO	\$63.86
A16	14000208	1/2" MNPT Gray	1	50	7.6	MTO	\$63.86
A20	14000209	3/4" MNPT Light Brown	1	50	9.7	MTO	\$63.86
A24	14000210	3/4" MNPT Dark Brown	1	50	8.7	MTO	\$63.86



A3



A4



A5



A7



A9



A10



A12



A14



A16



A20



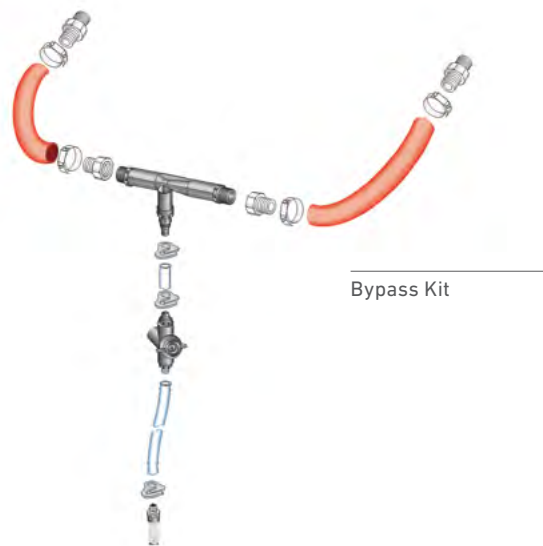
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Model #	Part #	Description	Box Qty	Box Wt	Stock Code	List Price
Manifold (MAI-Series) AirJection Units						
MAI-2081	14000300	2" Unit w/ Model 2081A-PVDF Mazzei Injector	1	7.0	MTO	\$1,808.92
MAI-3090	14000301	3" Unit w/ Model 3090-PVDF Mazzei Injector	1	14.2	MTO	\$3,761.87



Suction and Bypass Kits

Model #	Part #	Description	Box Qty	Box Wt	Stock Code	List Price
Suction Kits						
K184	14000400	Suction line kit for 1/2" and 3/4" injectors Includes: MV-25, S-84, 10' clear vinyl 1/4" ID tubing, clamps	1	0.5		\$103.89
K183	14000401	Suction line kit for 1" and 1 1/2" injectors Includes: MV-50, TA-550, injectors. 10' clear vinyl 1/2" ID tubing, clamps	1	2.7		\$216.71
KR183	14000443	Economy Suction line kit for 1" and 1 1/2" injectors. Includes: ball valve, TA-550, S-84, 6' clear vinyl 1/2" ID tubing, clamps	1	2.7	MTO	\$107.42
K282	14000402	Suction line kit for 2" injectors. Includes: C-86,S-87, 1" ball valve and connector, 10' clear vinyl 1" ID tubing, clamps	1	5.5		\$381.51
KR282	14000444	Economy Suction line kit for 2" injectors Includes: C75R, S-87, 1" ball valve & connector, 6' clear vinyl 1" ID tubing, clamps	1	5.5	MTO	\$381.51
Bypass Kits						
K184-A	14000403	Bypass and suction line kit for 1/2" injectors Includes: K184 Suction Kit, 1/2" ID 250 PSI tubing, 1/2" hose connectors, and hose clamps	1	1.7		\$195.95
K184-B	14000404	Bypass and suction line kit for 3/4" injectors Includes: K184 Suction Kit, 3/4" ID 250 PSI tubing, 3/4" hose connectors, and hose clamps	1	2.0		\$206.34
K181-A-02	14000405	Bypass and suction line kit for 1" injectors Includes: K183 Suction Kit, 1" ID 250 PSI tubing, 1" hose connectors, and hose clamps	1	4.3		\$378.91
K183-A	14000406	Bypass and suction line kit for 1 1/2" injectors Includes: K183 Suction Kit, 1 1/2" ID 250 PSI tubing, 1 1/2" hose connectors, and hose clamps	1	5.6	MTO	\$378.91
K282-A	14000407	Bypass and suction line kit for 2" injectors Includes: K282 Suction Kit, 2" ID 250 PSI tubing, 2" hose connectors, and hose clamps	1	9.9	MTO	\$641.04



Parts and Accessories

Model #	Part #	Description	Box Qty	Box Wt	Stock Code	List Price
Liquid Flowmeters — 1/2" MNPT Connections						
F44250L-8	14000408	1.5-15.0 GPH 0.025-0.25 GPM	1	0.4	MTO	\$286.79
F44330L-8	14000409	3.0-30.0 GPH 0.05-0.5 GPM	1	0.4	MTO	\$286.79
F44375L-8	14000410	6.0-60.0 GPH .1-1.0 GPM	1	0.4	MTO	\$286.79
F44376L-8	14000411	12.0-120.0 GPH 0.2-2.0 GPM	1	0.4	MTO	\$286.79
F44500L-8	14000412	30.0-300 GPH 0.5-5.0 GPM	1	0.4	MTO	\$286.79
Suction Port Caps - Polypropylene						
CAP-PP	14000413	Suction port cap for models 283 & 287	1	0.02	MTO	\$2.65
CAP-PP.375	14000414	Suction port cap for 1/2" & 3/4" injectors (excluding 283 & 287)	1	0.03		\$5.60
CAP-PP.75	14000416	Suction port cap for new-style (-02) 1" & 1 1/2" injectors (Models 878-1587)	1	0.04		\$11.49
Suction Port Caps - PVDF						
CAP-PVDF	14000417	Suction port cap for models 283 and 287	1	0.02	MTO	\$14.96
CAP-PVDF .375	14000418	Suction port cap for 1/2" & 3/4" injectors (excluding 283 & 287)	1	0.04	MTO	\$14.96
CAP-PVDF 0.50	14000419	Suction port cap for C83-PP and old style 1" injectors	1	0.09	MTO	\$14.96
CAP-PVDF 0.75	14000420	Suction port cap for new-style (-02) 1" & 1 1/2" injectors.	1	0.1	MTO	\$14.96
CAP-PVDF 1.5	14000446	Suction port cap for 3.0" injectors (to close one suction port) (Series 3090)	1	0.2	MTO	\$35.34
CAP-PVDF 2.0	14000447	Suction port cap for 4.0" injectors (to close one suction port) (Series 4091)	1	0.2	MTO	\$38.76
Check Valve Repair Kits						
CR-1	14000421	For models 283 & 287	1	0.002		\$14.40
CR-2	14000422	For 1/2" & 3/4" injectors (excluding 283 & 287)	1	0.004		\$16.42
CR-3	14000423	For C83-PP, C83-PVDF and old style 1" injectors	1	0.006		\$19.74
CR-4	14000424	For new-style (-02) 1" and 1 1/2" injectors	1	0.008		\$26.37

FERTIGATION



F44376L-8



CAP-PP.375



CAP-PVDF.75



Check Valve Repair Kits

Parts and Accessories

Model #	Part #	Description	Box Qty	Box Wt	Stock Code	List Price
Check Valves						
C83-PP	14000425	1/2" Check valve for old-style 1" injectors - polypropylene	1	0.2		\$36.53
C83-PVDF	14000426	1/2" Check valve for old-style 1" injectors - PVDF	1	0.2	MTO	\$57.46
C75-CVA	14000448	1 1/4" Check valve for 2" injectors - PVC (1 1/4" FNPT x 1" hose barb connections)	1	0.2	MTO	\$71.23
C75R-BSPT	14000449	1 1/4: Check Valve for 50mm injectors - PVC (1 1/4" BSPT X 1" Hose Barb Connections)	1	0.2	MTO	\$60.51
C86	14000427	1 1/4" Check valve for 2" injectors - PVC (replacement valve for K282 Kit)	1	2.1		\$63.91
Metering Valves						
MV-25-PP	14000428	1/4" Metering valve for 1/2" & 3/4" injectors - polypropylene & Teflon	1	0.2		\$83.20
MV-5-PP	14000460	1/2" Metering valve for 1" & 1 1/2" injectors - polypropylene & Teflon *	1	0.6		\$168.71
MV-5-PVDF	14000461	1/2" Metering valve for 1" & 1 1/2" injectors - PVDF & Teflon *	1	0.8	MTO	\$275.35

* Male thread

Tubing Adapters						
TA-225	14000431	1/4" Male NPT X 1/4" ID Hose Barb Connection	1	0.01	MTO	\$2.70
TA-325	14000450	3/8" x 1/4" (MNPT x Tube Size)	1	0.01	MTO	\$2.58
TA-525	14000432	1/2" Male NPT X 1/4" ID Hose Barb Connection	1	0.03	MTO	\$2.70
TA-550	14000433	1/2" Male NPT X 1/2" ID Hose Barb Connection	1	0.04	MTO	\$2.70
Tubing Clamps						
CLAMP#23	14000434	Clamp for 1/4" ID tubing	1	0.01	MTO	\$1.19
CLAMP#44	14000435	Clamp for 1/2" ID tubing	1	0.02	MTO	\$1.36
Strainers						
S-84	14000436	Strainer for suction lines, less tubing adapter	1	0.05		\$35.34
S-50HB	14000438	Strainer for suction lines for new-style (02) 1" & 1 1/2" injectors	1	0.05		\$38.44
S-84FV	14000439	Strainer with foot valve, 3/8" hose barb and 1/2" MNPT connector	1	0.1		\$72.65
S-87	14000440	PVC strainer for 1" suction lines used on 2" injectors	1	0.1	MTO	\$27.32

Check Valves



Metering Valves



Tubing Adapters



Tubing Clamps



Strainers

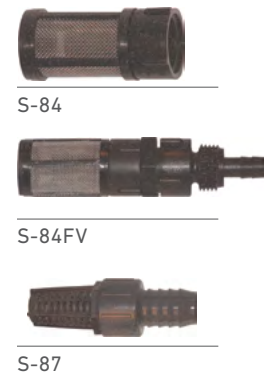




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JAIN Logic

Agricultural Monitoring and Control Technology

JAIN Logic is the field monitoring technology that growers trust. JAIN Logic delivers real-time data from sensors in the field to any internet connected mobile device, tablet, or computer in an easy-to-use and intuitive interface.

From soil moisture monitoring to evapotranspiration forecasting and irrigation scheduling, JAIN Logic is the only water management software that farmers need to achieve more crop per drop.



Radio Nodes	Tier	Count	
Annual Cost Per Radio Node	1	1-6	\$350.00
	2	7-15	\$325.00
	3	16+	\$275.00

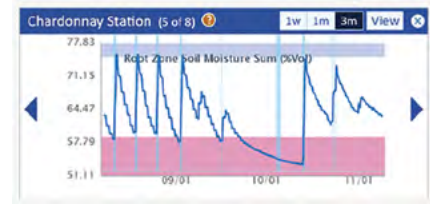
Subscription Fees

Part Number	Web and Data Services	
10318	Monitoring Stand Alone, Monthly Subscription JAIN Logic services account fee includes web monitoring, alerts, smart phone and tablet viewing. Also included is a phone support service. Fee is for stations used for monitoring functions only.	\$67.50/month
10320	Control Station, Monthly Subscription JAIN Logic services account fee includes web monitoring, alerts, smart phone and tablet viewing. Also included is a phone support service. Fee is for stations used for monitoring functions only.	\$76.50/month
15201006	Flow or Level Monitoring, Monthly Subscription JAIN Logic services account fee includes web monitoring, alerts, smart phone and tablet viewing. Also included is a phone support service. Monitoring fee is for single sensor applications such as flow monitoring or tank level monitoring.	\$32.40/month
15201010	JAIN Logic Pulse Subscription JAIN Logic Pulse service fee includes weekly reporting sent straight to your email or person of your choosing. You will receive irrigation event logs containing start time, end time, run time and applied water.	\$350.00/year

JAIN Logic Features

Soil Moisture Monitoring

Take the guesswork out of irrigation. Soil moisture monitoring is a core component of JAIN Logic. Soil moisture monitoring provides valuable information about what is happening below the surface of the soil. It provides confidence irrigations are meeting your crop needs without wasting important inputs like water and nutrients.



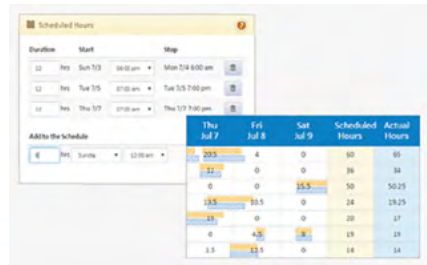
Agronomic Tools / Widgets

A wide variety of tools create charts from field data and raw numbers, create useful information helping you make faster and more powerful decisions.



Irrigation Scheduler

Managing your irrigation schedule shouldn't be another time-consuming task in a busy day. Take the guesswork out of your irrigation decisions. The irrigation scheduler provides a simple way for growers to create a weekly irrigation schedule by irrigation set. It integrates directly with notifications, so growers can easily share schedules electronically or in hard copy with staff.

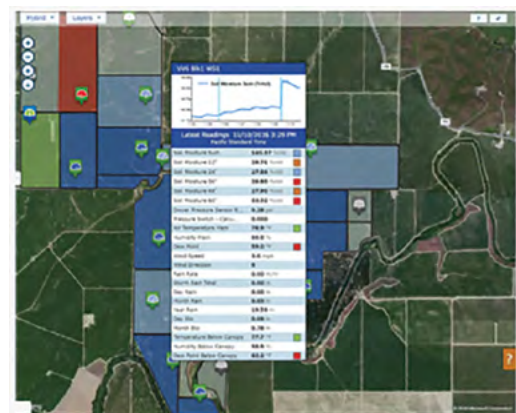


Data Management

JAIN Logic provides robust soil moisture and field condition monitoring data that is reliable and secure. JAIN Logic provides analysis and presentation tools allowing you to use your field data to simplify irrigation decisions.

Why JAIN Logic?

JAIN Logic has spent over a decade going beyond simply providing data. Our system goes a step further to analyse the data then put it in a format that helps our customers better manage resources and increase crop yield.



JAIN Logic Pulse

JAIN Logic Pulse is a completely new approach to irrigation system monitoring.

Right from the design stage, your entire system has performance monitoring built in and monitors itself so you don't have to. This means you can get on with doing what's important, and know that when something needs attention, you'll be the first to know.

Pulse intelligently works in the background, monitoring the pump and filter station tracking pre and post filter pressures, system flow and irrigation events. If anything needs your attention, Pulse will let you know with flexible alerting for you and your team.

Beyond alerting, Pulse will provide regular reporting of water use, irrigation events, pressure variances and system health and delivers it right into your email box, so you never need to go looking for the information you need.

Achieve all this without ever needing to log in to a website or remember another password. Everything comes to you via email and SMS; simply and reliably.

Pulse Features

We've Got it all Covered

Pulse monitors the key performance elements of your pump and filter station to give you the peace of mind that your system is running as it should be and alerted when it's not.

Filter Station

- Pre and Post Filter Pressure
- Pre and Post Filter Pressure Differential

Flow Meter

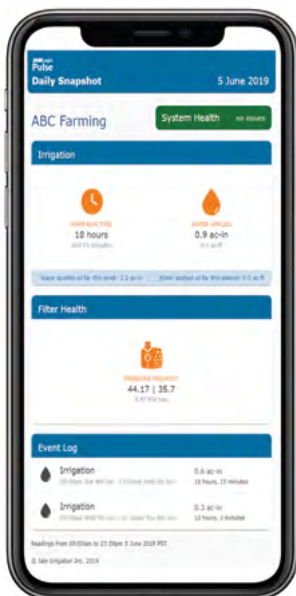
- Total Applied Water - by event, week and season

Irrigation Event Logs

- Weekly Trends for All Monitored Performance Inputs
- Start Time, End Time, Run Time and Applied Water

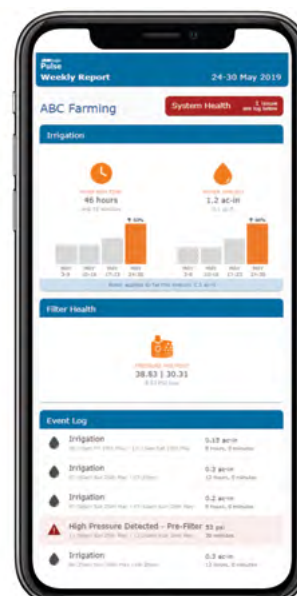
System Alerts

- User Defined High / Low Pressure Events
- User Defined High / Low Flow Events



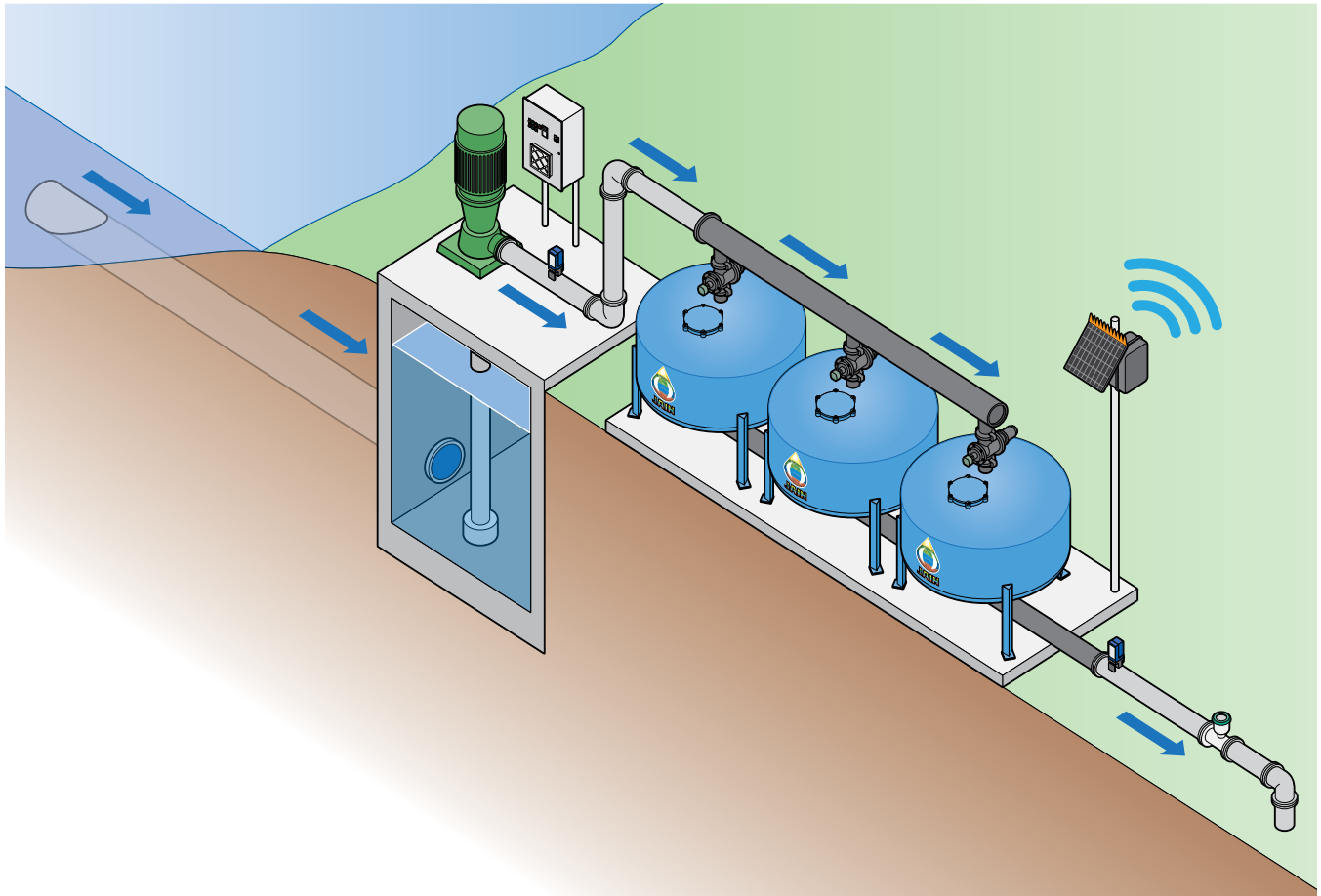
Reporting

JAIN Logic Pulse Weekly Report



Irrigation Event Logs

- Start Time, End Time, Run Time and Applied Water



How Pulse Works

Always on and always monitoring, Pulse keeps an eye on your system to ensure it's performing as expected; highlighting problem areas and reporting water use.

- Pressure sensors are installed pre and post filter and coupled with the systems flow meter.
- Data is collected on a user set schedule and analysed for insight into system performance, health and alerting conditions.
- Daily emails provide detailed operational information.
- Weekly emails are setup to deliver water use and system health trends.

JAIN MONITORING AND CONTROL

Subscription Fees		
Part Number	Web and Data Services	
15201010	<p>JAIN Logic Pulse Subscription JAIN Logic Pulse service fee includes weekly reporting sent straight to your email or person of your choosing. You will receive irrigation event logs containing start time, end time, run time and applied water.</p>	\$350.00/year

Support for a Range of Sensors

Pressure Sensor

- OsiSense Pressure Sensor

Flow Meter

- Seametrics AG2000
- Seametrics AG3000
- McCrometer MAG 3000
- Compatible with most popular pulse output flow meters

JAIN C3 Field Station

A flexible monitoring and control platform the JAIN C3 is the heart of the Jain Monitoring and Control system. The JAIN C3 can be configured to use as a simple pump controller or as a gateway to manage a network of C3's and monitor a complete irrigation system.



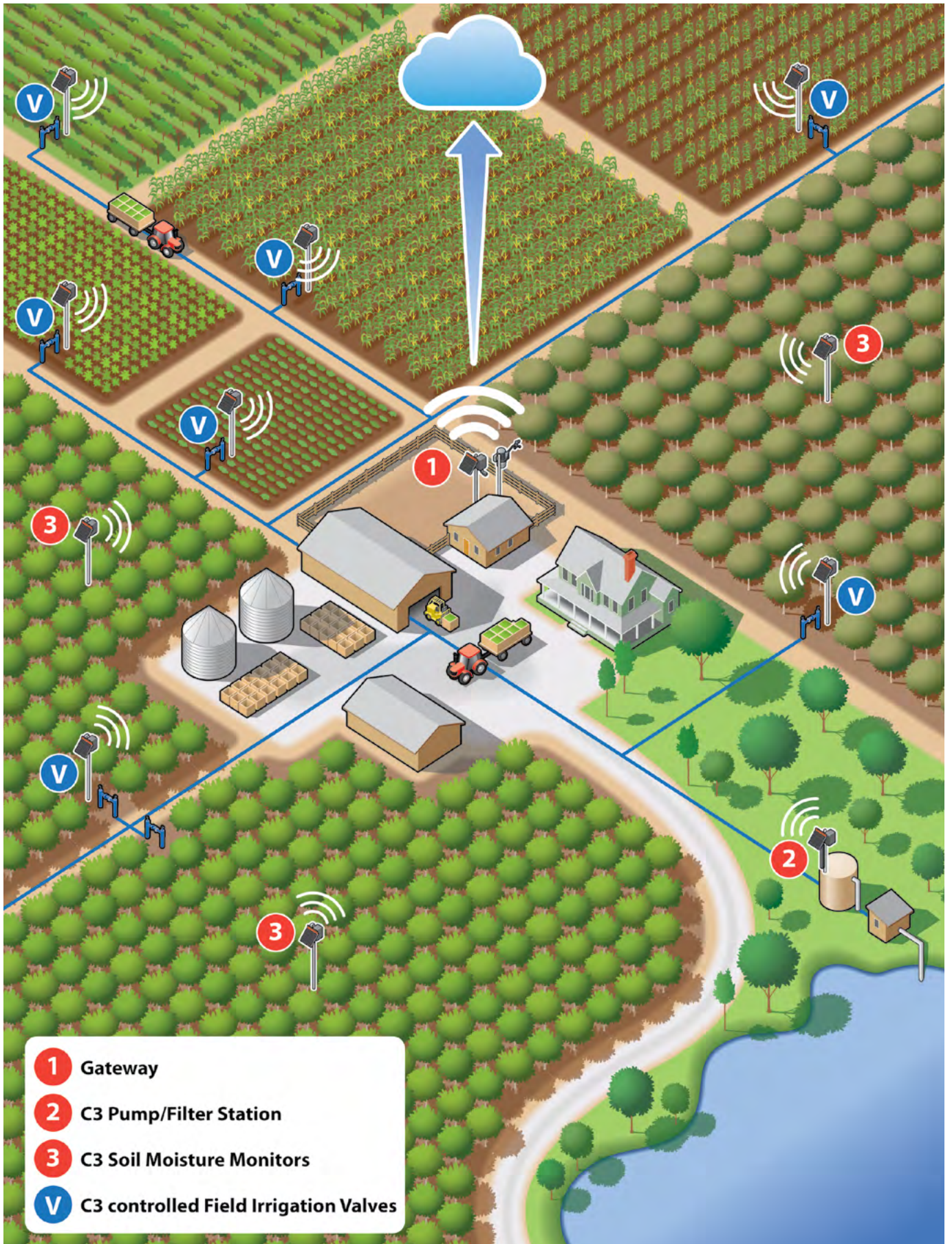
C3 Telemetry Unit

The JAIN C3 Field Station can remotely monitor a large range of agricultural and irrigation equipment with integrated access to the JAIN Logic software platform for data management and system control.

The C3 delivers unparalleled functionality, tailored to meet the requirements of any monitoring and control scenario. The JAIN C3 is available with a number of wireless communication options, allowing remote access to your equipment at the most optimal cost. The lithium battery technology and remote diagnostics functionality means minimal maintenance and reduced operating costs.

Part Number	Description	List Price
Jain C3 Telemetry Unit		
01622	C3 Cellular / 900MHz Field Station This C3 Field Station has a 900 MHz radio, cellular capability, fully functional input / output ports, and a high current output. It can serve as a gateway or a node. *	\$1,250.00
00780	C3 Enclosure and Solar Panel A Solar Panel and enclosure for the C3, includes a GPS antenna, low gain 3G cellular antenna and pole mounting hardware.	\$395.00
10165	C3 Solar Enclosure Split Mount Kit Accessories to split and separately pole mount C3 Solar Panel and C3 Enclosure. Includes C3 solar panel pole mount adapter bracket, 32' cable for panel power, gel crimp connectors and C3 enclosure plug. Does not include C3 Solar Enclosure.	\$42.00

Note: * Solar Enclosure (00780) and chosen antenna are purchased separately.



- 1** Gateway
- 2** C3 Pump/Filter Station
- 3** C3 Soil Moisture Monitors
- V** C3 controlled Field Irrigation Valves

Bundles

Support for a Wide Range of Sensors

- The C3 supports a versatile selection of probes and sensors for monitoring all types of field conditions
- This allows selecting the right tool to match your crop and monitoring needs
- Probes from AquaCheck, EnviroPro, Sentek and HSTI
- Soil Moisture sensors from Decagon and Stephens
- Weather Stations, Leaf Wetness, Pressure Transducers,
- Flow Meters and many others
- All data sent to JAIN Logic software making analysis and decisions easy



Tank Level Monitoring

- Continually checks tank levels
- High quality ultrasonic sensor is accurate and unaffected by water quality
- Alerts on low/high water levels
- View water level history graphs



Bundles

Part Number	Description	List Price
Soil Moisture Station Bundles		
EnviroPro Bundles		
10364	C3 Telemetry Unit - 16" / 40cm EnviroPro Bundle Sole Telemetry Unit and 16" EnviroPro Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$3,200.00
10365	C3 Telemetry Unit - 32" / 80cm EnviroPro Bundle Sole Telemetry Unit and 32" EnviroPro Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$3,310.00
10366	C3 Telemetry Unit - 48" / 120cm EnviroPro Bundle Sole Telemetry Unit and 48" EnviroPro Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$3,800.00
10367	C3 Telemetry Unit - 60" / 160cm EnviroPro Bundle Sole Telemetry Unit and 60" EnviroPro Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$4,200.00

Part Number	Description	List Price
Soil Moisture Station Bundles		
Sentek Bundles		
15213110	C3 Telemetry Unit - 12" / 30cm Sentek Drill and Drop Bundle C3 Telemetry Unit and 12" Sentek Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$3,200.00
15213111	C3 Telemetry Unit - 24" / 60cm Sentek Drill and Drop Bundle C3 Telemetry Unit and 24" Sentek Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$3,250.00
15213112	C3 Telemetry Unit - 35" / 90cm Sentek Drill and Drop Bundle C3 Telemetry Unit and 35" Sentek Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$3,310.00
15213113	C3 Telemetry Unit - 47" / 120cm Sentek Drill and Drop Bundle C3 Telemetry Unit and 47" Sentek Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$3,800.00
15213114	C3 Telemetry Unit - 60" / 150cm Sentek Drill and Drop Bundle C3 Telemetry Unit and 60" Sentek Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$4,200.00

Part Number	Description	List Price
Soil Moisture Station Bundles		
Sentek TriSCAN Bundles		
15213160	C3 Telemetry Unit - 12" / 30cm Sentek TriSCAN Drill and Drop Bundle C3 Telemetry Unit and 12" Sentek Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$3,735.00
15213161	C3 Telemetry Unit - 24" / 60cm Sentek TriSCAN Drill and Drop Bundle C3 Telemetry Unit and 24" Sentek Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$3,850.00
15213162	C3 Telemetry Unit - 35" / 90cm Sentek TriSCAN Drill and Drop Bundle C3 Telemetry Unit and 35" Sentek Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$4,065.00
15213163	C3 Telemetry Unit - 47" / 120cm Sentek TriSCAN Drill and Drop Bundle C3 Telemetry Unit and 47" Sentek Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$4,390.00
15213164	C3 Telemetry Unit - 60" / 150cm Sentek TriSCAN Drill and Drop Bundle C3 Telemetry Unit and 60" Sentek Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$4,500.00

Parts and Components

Part Number	Description	List Price
Antennas, Cables and Connectors		
01437	Cellular (3G, 4G, CDMA) Dome Antenna 20" / 50cm Cable This wide-band, low profile, dome antenna is suitable for 3G or 4G, CDMA cellular operations. Included is a 20" cable terminated with a right-angle SMA connector and is easily mounted on the C3 Solar Enclosure.	\$75.00
10238	900MHz Pole Mount Antenna, 13' / 4m Cable 900MHz whip antenna (5dBi) with 4m (13') cable and pole mounting kit (vertical or horizontal).	\$185.00
10239	900MHz Pole Mount Antenna, 32' / 10m Cable 900MHz whip antenna (5dBi) with 10m (32') cable and pole mounting kit (vertical or horizontal).	\$200.00
00026	Device Extension Cable, 32' / 10m 32' cable with a male, four-conductor, Switchcraft EN3 to a female, Switchcraft EN3 connector. Allows extension of a standard cable set when a longer run is required.	\$92.00
00028	Device Connector (male) to Bare Ended Cable, 2' / 60cm 2' cable with male, 4 conductor, Switchcraft EN3 to bare ends.	\$11.51
00174	Device Connector (female) to Bare Ended Cable, 2' / 60cm 2' cable with female, 4 conductor, Switchcraft EN3 to bare ends. Allows various devices to be easily disconnected when used with standard cable sets.	\$25.00
00774	C3 to Device Cable, 19' / 6m 20' cable with a C3 terminal-block plug to male, 4 conductor, Switchcraft EN3 connector.	\$75.00
01346	JPT-2 Pressure Sensor Cable Connector, Cable, 6' / 2m 6' cable with a C3 terminal-block plug to male, 4 conductor, Switchcraft EN3 connector.	\$25.00
01364	JPT-2 Pressure Sensor Cable Connector, Cable, 16' / 5m 16' JPT-2 pressure-sensor cable with female, 4 conductor, elbowed, M12 connector.	\$40.00
01643	Weather Station Interface Cable 32" weather station cable with a male, RJ11 connector to female, 4 conductor, Switchcraft EN3 connector. Used to connect a C3 to a Davis Vantage Pro2.	\$160.00
10082	C3 High Current Cable for Actuator Control Cable to connect C3 to high current devices such as actuators.	\$110.00
10125	Cable Junction Accessory Pack Connector pack used to join an existing extension cable to a bare-ended, 3 to 4 conductor sensor cable. Used with the C3 the pack contains a 3 Way junction box, 4 gel crimp connectors and two conduit stoppers.	\$18.00
01413	Output Cable (3 Way, 3m) 9.5' 3 Way output cable (bare ends). Typically used as Solo solenoid output cable.	\$39.00
01727	Weather Station - C3 Adds a weather station to an existing C3 Field Station. Allows monitoring of wind speed and direction, temperature and humidity. Includes 20' of cable for C3 and 32' cable mating to Davis Station.	\$1,250.00

Parts and Components

Part Number	Description	List Price
Weather and Environmental Sensors		
01347	JPT-2 Water / Air Pressure Sensor, 0-100 PSI (Requires Cable) A Pressure-Sensor Transmitter suitable for air or fresh water, with a range of 0-100psi and a 4-pin, M12 conduit connection. Cable not included.	\$120.00
10183	Relative Humidity and temperature and Pressure Sensor VP-4 The VP-4 measures relative humidity, barometric pressure, air temperature and vapour pressure. Sensor cable is 16' (5m) and terminated with bare ends. Radiation shield is included.	\$450.00

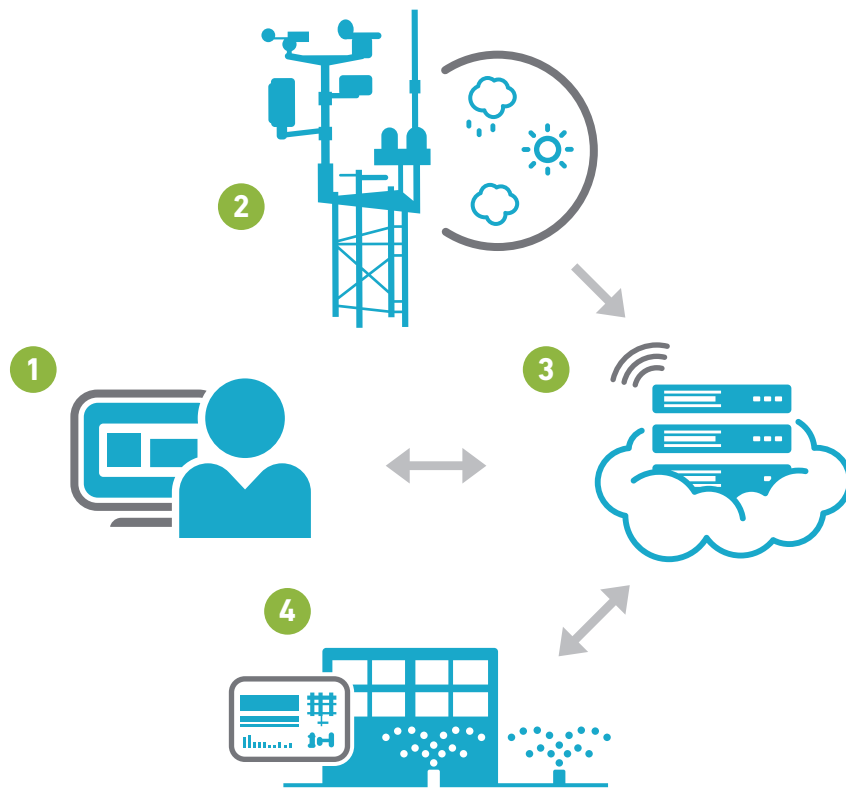
Part Number	Description	List Price
Additional Parts and Components		
15213029	24" / 60cm Sentek Drill and Drop	\$875.00
15212002	Pressure Switch	\$150.00
15214005	Temperature and Humidity Sensor with Cable	\$225.00
15214010	Radiation Shield	\$100.00
15215006	5 Watt Solar Panel	\$60.00
15211001	Power Cable for Solar Panel 25'	\$50.00
15211018	Sentek SMP Cable 15.5'	\$50.00
15211006	12V 5Ah Sealed Lead Acid Rechargeable Battery	\$30.00
15211016	7.4V 6.6Ah Li-Ion Rechargeable Battery	\$90.00
15213028	12"/30CM Sentek Drill and Drop	\$850.00
15213029	24"/60CM Sentek Drill and Drop	\$875.00
15213033	35"/90CM Sentek Drill and Drop	\$1,050.00
15213035	47"/120CM Sentek Drill and Drop	\$1,450.00
15214112	59"/150CM Sentek Drill and Drop	\$1,850.00
15213034	12"/30CM Sentek TriSCAN Drill and Drop	\$875.00
15213037	24"/60CM Sentek TriSCAN Drill and Drop	\$987.50
15213039	35"/90CM Sentek TriSCAN Drill and Drop	\$1,187.50
15213038	47"/120CM Sentek TriSCAN Drill and Drop	\$1,497.50
15213024	59"/150CM Sealed TriSCAN Drill and Drop	\$2,125.00
01282	16"/40CM EnviroPRO	\$850.00
01550	EnviroPRO EC Upgrade 16"	\$200.00
01238	32"/80CM EnviroPRO	\$960.00
01525	EnviroPRO EC Upgrade 32"	\$300.00
01285	48"/120CM EnviroPRO	\$1,450.00
01551	EnviroPRO EC Upgrade 48"	\$400.00
01286	63"/160CM EnviroPRO	\$1,850.00
01552	EnviroPRO EC Upgrade 63"	\$500.00



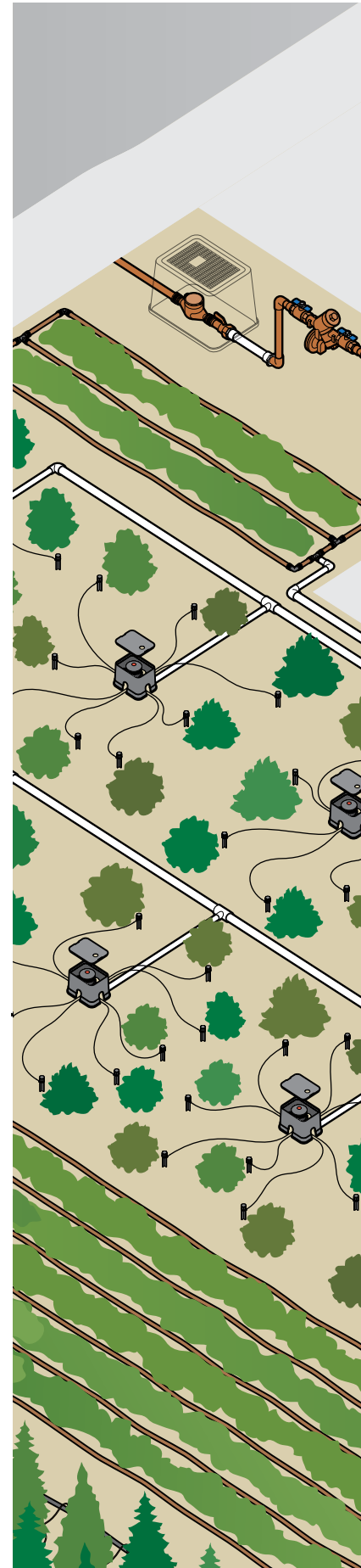
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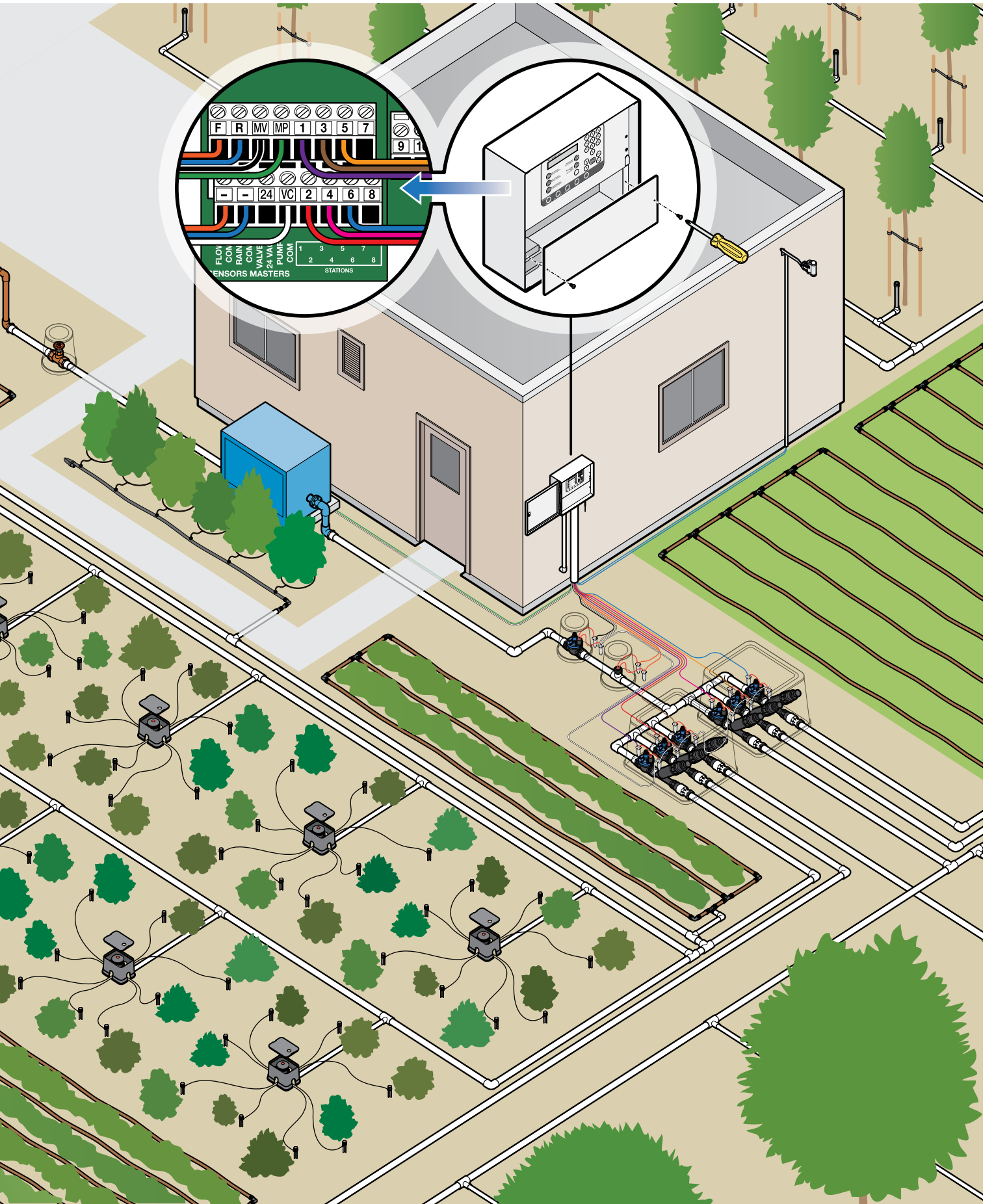
- K-04** HermitCrab 2
- K-06** SmartBox
- K-08** SmartWorks Replacement Panels
- K-09** Controller Accessories

How ETwater Controllers Work



1. Use the ETwater Manager online management system to set up your account by entering your landscape profiles. Then, install the ETwater smart controller.
2. Microclimate forecasts localized to latitude / longitude coordinates and cross-referenced to an exclusive hourly historical weather database.
3. ETwater servers access the weather data, compute evapotranspiration, and generate daily watering schedules for each landscape profile. Servers then connect wirelessly to ETwater smart controllers to exchange schedules and data.
4. ETwater smart controllers execute daily irrigation schedules.





CONTROLLERS

HermitCrab 2

ETwater's patented retrofit technology can instantly convert an existing conventional controller into a smart controller. All the same features and functions from the ETwater SmartBox Controller are available now with the use of the ETwater HermitCrab 2.

HermitCrab2 is compatible with most controller brands, most importantly the controller must have a remote control port. With the addition of a flow sensor you can measure, record flow and setup notifications in the event of a main line break or stuck valve. (Flow sensor sold separately and compatible with most available irrigation flow sensors.)



HermitCrab 2

Model #	Description	Weight (lbs)	List Price
ETW-HC2-FA	HermitCrab 2 with Flow Adapter (without HermitCrab Host Cable)	3	\$1,250.00
ETW-HC2-CLR	HermitCrab 2 (without flow adapter)	3	\$1000.00
ETW-HC-FA	HermitCrab 2 Flow Adapter	1	\$250.00
ETW-HC-H-CO	HermitCrab Host Cable to Hunter host controller cable	1	\$80.00
ETW-HC-T-CO	HermitCrab Host Cable to Irritrol or Toro host controller (uses RJ11 connector)	1	\$80.00
ETW-HC-IR6-CO	HermitCrab Host Cable to Irritrol or Superior host controller (uses 6 pin remote connector)	1	\$80.00
ETW-HC-W-CO	HermitCrab Host Cable to Weathermatic host controller (uses RJ11 connector)	1	\$80.00
ETW-HC-RB5-CO	HermitCrab Host Cable to Rain Bird host controller (uses 5 pin remote connector)	1	\$80.00
ETW-HC-RB6-CO	HermitCrab Host Cable to Rain Bird host controller (uses 6 pin remote connector)	1	\$80.00
ETW-HC-RM-CO	HermitCrab Host Cable to Rain Master host controller (uses 9 pin D type male remote connector)	1	\$80.00

Note: Flow sensor sold separately and ETwater controllers are compatible with most irrigation flow sensors.

CONTROLLERS



CONTROLLERS

SmartBox

ETwater offers three smart controller models for cost-effectively transforming any conventional, standard irrigation system to smart irrigation control and management. All three smart controllers access the powerful ETwater cloud-based smart irrigation platform that dynamically adjusts landscape watering schedules by zone/station based on weather forecast, plant types, soil, micro-climate, and other environmental data.

Includes

- Plug-in station output modules available in 8-station increments.
- Station output terminals sized for up to 12 gauge wire.
- Back lit LCD display provides output verification for station being irrigated.
- Chassis-mounted grounding lug for added lightning protection.
- 120 VAC input and 24 VAC output.
- All 24V output terminals have surge protection rated up to 4KV in accordance with IEC 6100-4-5 standard.
- All outputs protected by a 2.0 amp self-resetting fuse.
- Input power draw: 1.0 amp or less at 120 volts VAC.
- Each station, boost pump, and master valve output terminal can handle up to two 24V solenoids.
- Total controller output is 2.0 amps.
- Non-volatile memory
- Three (3) year controller limited warranty.



SmartBox Features

- Durable, weather-resistant aluminium enclosure with locking cabinet for indoor or outdoor use suitable for wall mounting and selected pedestal installations.
- Program and schedule display for each zone.
- Manual operation of individual stations or all stations from 1-255 minutes in 1-minute increments.
- Manually water up to 4 stations concurrently.
- Easy-to-use keypad for viewing programs, manual (offline) valve operation and other system functions.
- Plug-in interface for Rain Master® and other remote control systems.
- Standard connections for rain sensor, booster pump, master valve, and flow sensor.
- Compatible with normally open or normally closed master valves, rain/freeze or wind sensors.
- Alerts sent via email to report any open or shorted stations.
- Controller keypad can be used to test one or all stations for OK, open or shorted circuits.
- Colored LED panel lights report activity status for rain sensor, flow sensor, or open or shorted valve.
- Made in the USA.
- FCC approved.



Model #	Description	Ship Qty	Weight (lbs)	List Price
205W-8	SmartBox Weather Based Controller 8 Station Commercial Controller with Cellular Connection	1	11	\$2,600.00
205W-16	SmartBox Weather Based Controller 16 Station Commercial Controller with Cellular Connection	1	11	\$2,900.00
205W-24	SmartBox Weather Based Controller 24 Station Commercial Controller with Cellular Connection	1	11	\$3,200.00
205W-32	SmartBox Weather Based Controller 32 Station Commercial Controller with Cellular Connection	1	11	\$3,500.00
205W-40	SmartBox Weather Based Controller 40 Station Commercial Controller with Cellular Connection	1	11	\$3,800.00
205W-48	SmartBox Weather Based Controller 48 Station Commercial Controller with Cellular Connection	1	11	\$4,100.00

CONTROLLERS

SmartWorks Replacement Panels

Does your controller need replacing, but your existing enclosure and valve wiring are still good? All the same features and functions in the ETwater SmartBox Controller are available in the SmartWorks replacement panel.

Panel assemblies include: Irritrol® MC Plus series, Rain Master® Sentar, Hawk, Eagle or Evolution DX2 series, and Rain Bird® models that fit in the deep-drawn cabinet, including: ESP-MC (Maxicom2® compatible) series, ESP-SAT series, ISC, ISC+, ISC-B, ISC-SAT, ISC-B-SAT, CCU & CCU-J. SmartWorks panels are compatible with both wall and pedestal mount configurations.



Model #	Description (SmartWorks for Rain Bird Controllers)	Ship Qty	Weight (lbs)	List Price
204W-PB8	8 Station Rain Bird Panel with Cellular Connection	1	6	\$2,500.00
204W-PB16	16 Station Rain Bird Panel with Cellular Connection	1	6	\$2,750.00
204W-PB24	24 Station Rain Bird Panel with Cellular Connection	1	6	\$2,900.00
204W-PB32	32 Station Rain Bird Panel with Cellular Connection	1	6	\$3,250.00
204W-PB40	40 Station Rain Bird Panel with Cellular Connection	1	6	\$3,500.00
204W-PB-QC	Rain Bird 50 pin QuickConnect with Cellular Connection, Cable included	1	6	\$2,600.00

Model #	Description (SmartWorks panel for Rain Master, Sentar and Eagle + Hawk Controllers)	Ship Qty	Weight (lbs)	List Price
204W-PR12	12 Station Rain Master, Sentar, Eagle + Hawk Panel with Cellular Connection	1	5	\$2,600.00
204W-PR18	18 Station Rain Master, Sentar, Eagle + Hawk Panel with Cellular Connection	1	5	\$2,700.00
204W-PR24	24 Station Rain Master, Sentar, Eagle + Hawk Panel with Cellular Connection	1	5	\$2,800.00
204W-PR30	30 Station Rain Master, Sentar, Eagle + Hawk Panel with Cellular Connection	1	5	\$2,900.00
204W-PR36	36 Station Rain Master, Sentar, Eagle + Hawk Panel with Cellular Connection	1	5	\$3,000.00

Model #	Description (SmartWorks for Rain Master Evolution DX2 Controllers)	Ship Qty	Weight (lbs)	List Price
204W-PRE16	16 Station Rain Master Evolution DX2 Panel with Cellular Connection	1	5	\$2,600.00
204W-PRE24	24 Station Rain Master Evolution DX2 Panel with Cellular Connection	1	5	\$2,900.00
204W-PRE32	32 Station Rain Master Evolution DX2 Panel with Cellular Connection	1	5	\$3,150.00
204W-PRE40	40 Station Rain Master Evolution DX2 Panel with Cellular Connection	1	5	\$3,400.00
204W-PRE48	48 Station Rain Master Evolution DX2 Panel with Cellular Connection	1	5	\$3,650.00

Model #	Description (SmartWorks for Irritrol Controllers)	Ship Qty	Weight (lbs)	List Price
204W-PI18	18 Station Irritrol Panel with Cellular Connection	1	5	\$2,750.00
204W-PI24	24 Station Irritrol Panel with Cellular Connection	1	5	\$2,850.00
204W-PI30	30 Station Irritrol Panel with Cellular Connection	1	5	\$2,950.00
204W-PI36	36 Station Irritrol Panel with Cellular Connection	1	5	\$3,050.00
204W-PI42	42 Station Irritrol Panel with Cellular Connection	1	5	\$3,150.00

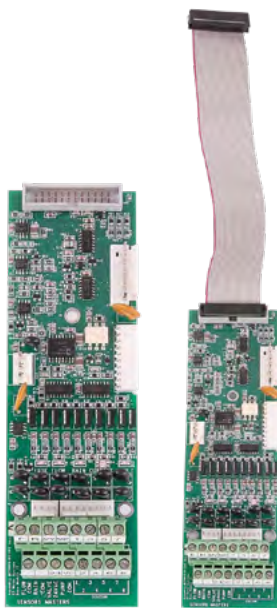
CONTROLLERS

Controller Accessories

Model #	Description	Ship Qty	Weight (lbs)	List Price
ETW-ANTV4	Covert Antenna with Tape Mount Option	1	0.5	\$65.00
ETW-ANTV4EXT	Covert Antenna with Tape Mount Option - Extended cable	1	0.5	\$80.00
ETW-KEYS	Two replacement keys for ET Water cabinet	1	0.5	\$35.00
ETW-8STAMOD-G4	8 Station Expansion Module for Controller Models with Firmware 6.xx	1	0.5	\$375.00
ETW-BASMOD-G4	Base Module for Controller Models with Firmware 6.xx *(RMA Approval Needed)*	1	0.5	\$475.00
ETW-URA	Universal Remote Adapter for ETwater 205W Controllers	1	0.5	

Model #	Description	Ship Qty	List Price
ETW-MGR-1C	Model 105, 204, 205 and HC2 - Cell and Mobile Connect - 1 year (Included with Purchase)	1	\$239.00
ETW-MGR-3C	Model 105, 204, 205 and HC2 - Cell and Mobile Connect - 3 year (Two Additional Years)	1	\$478.00
ETW-MGR-5C	Model 105, 204, 205 and HC2 - Cell and Mobile Connect - 5 years (Four Additional Years)	1	\$956.00

Note: ETW-MGR-xC” subscriptions must be purchased in conjunction with hardware. Future renewals will occur at the going subscription rate at the time.



ETW-BASMOD-G4



ETW-ANTV4



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- L-02** Air Vents
- L-03** Pressure Regulators

Air Vents

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Stock Code	List Price
Air / Vacuum Relief Valve							
VBK-3/4	12090033	3/4" MPT	1	36	60		\$14.35
VBK-1	12090023	1" MPT	1	36	60		\$14.35
VBKV-1	12090028	1" MPT with 1/8" Schrader Valve	1	36	64		\$18.54
Air / Vacuum Relief Valve							
APV-1	12090001	1" MPT		12	10.0		\$22.061
APV-1-1/4	12090004	1 1/4" MPT		12	10.0		\$46.46
APV-1-1/2	12090002	1 1/2" MPT		6	12.0		\$78.39
APV-2	12090007	2" MPT		6	13.0		\$82.31
Air / Vacuum Relief Valve with 1/8" Schrader Valve							
APVV-1	12090010	1" MPT		12	10.0		\$28.25
APVV-1-1/4	12090013	1 1/4" MPT		12	10.0	MTO	\$52.64
APVV-1-1/2	12090011	1 1/2" MPT		6	12.0	MTO	\$84.58
APVV-2	12090016	2" MPT		6	13.0		\$84.58
Continuous Air Relief Valve							
ARVC100	12090057	1" MPT		6	17.0		\$107.58
Combination Air Relief Valve							
ARV-2	12090020	2" MPT		8	22.0		\$215.04



VBK-3/4



APV-1



APVV-1-1/4



ARVC100



ARV-2

Pressure Regulators

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Stock Code	List Price
Pipe Thread Low Flow Pressure Regulator: 3/4" FPT X 3/4" MPT							
PRL25PP	12100063	25 PSI @ 1-8 GPM	1	120	8.8	MTO	\$15.99
Hose Thread Medium Flow Pressure Regulator: 3/4" FHT inlet x 3/4" MHT Outlet							
PRH-15	72015063	15 PSI	1	50	3.4		\$12.68
PRH-20	72015064	20 PSI	1	50	3.4		\$12.68
PRH-25	72015065	25 PSI	1	50	3.4		\$12.68
PRH-30	72015066	30 PSI	1	50	3.4		\$12.68
PRH-35	72015067	35 PSI	1	50	3.4	MTO	\$12.68

Note: Other Pressure Settings available.

Pipe Thread Medium Flow Pressure Regulators							List Price
PRP-30	72100064	3/4" FPT x 3/4" MPT. 30 PSI		50	1.7	MTO	\$12.68
Low Flow Pressure Regulators: 0.5 to 5 GPM- 3/4" FPT x 3/4" FPT							
PR-075-L-06	12100039	6 PSI		50	17.0	MTO	\$19.26
PR-075-L-10	12100017	10 PSI		50	17.0		\$19.26
Low Flow Pressure Regulators: 0.1 to 8 GPM- 3/4" FPT x 3/4" FPT							
PR-075-L-12	12100020	12 PSI		50	17.0		\$19.26
PR-075-L-15	12100021	15 PSI		50	17.0	MTO	\$19.26
PR-075-L-20	72100024	20 PSI		50	17.0		\$20.22
PR-075-L-25	72100027	25 PSI		50	17.0		\$20.22
PR-075-L-30	72100029	30 PSI		50	17.0		\$20.22
PR-075-L-35	72100032	35 PSI		50	17.0	MTO	\$20.22
PR-075-L-40	72100034	40 PSI		50	17.0	MTO	\$20.22
Low Flow Pressure Regulators: 0.1 to 8 GPM- 3/4" FHT x 3/4" MHT							
PR-075H-L-12	12100052	12 PSI		50	18.0		\$21.26
PR-075H-L-20	72100025	20 PSI		50	18.0	MTO	\$22.32
PR-075H-L-25	12100058	25 PSI		50	18.0	MTO	\$21.20
PR-075H-L-30	12100050	30 PSI		50	18.0		\$21.20



Pressure Regulators

Model #	Part #	Description	Box Qty	Box Wt	Stock Code	List Price
Medium Flow Pressure Regulators: 4 to 16 GPM - 3/4" FPT x 3/4" FPT						
PR-075-M-10	12100018	10 PSI	50	22.0		\$24.28
Medium Flow Pressure Regulators: 2 to 20 GPM - 3/4" FPT x 3/4" FPT						
PR-075-M-15	12100022	15 PSI	50	22.0		\$24.28
PR-075-M-20	72100026	20 PSI	50	22.0		\$24.28
PR-075-M-25	12100028	25 PSI	50	22.0		\$24.28
PR-075-M-30	72100030	30 PSI	50	22.0		\$24.28
PR-075-M-35	12100033	35 PSI	50	22.0	MTO	\$24.28
PR-075-M-40	12100035	40 PSI	50	22.0		\$24.28
PR-075-M-50	12100037	50 PSI	50	22.0		\$24.28
Medium Flow Pressure Regulators: 4 to 16 GPM - 1" FPT x 1" FPT						
PR-100-M-10	12100019	10 PSI	50	26.0		\$26.33
Medium Flow Pressure Regulators: 2 to 20 GPM - 1" FPT x 1" FPT						
PR-100-M-15	12100023	15 PSI	50	26.0	MTO	\$26.33
PR-100-M-20	12100053	20 PSI	50	26.0		\$26.33
PR-100-M-25	12100060	25 PSI	50	26.0		\$26.33
PR-100-M-30	72100031	30 PSI	50	26.0		\$27.64
PR-100-M-35	12100057	35 PSI	50	26.0	MTO	\$26.33
PR-100-M-40	12100036	40 PSI	50	26.0		\$26.33
PR-100-M-50	12100059	50 PSI	50	26.0		\$26.33
High Flow Pressure Regulators: 10 to 32 GPM - 1 1/4" FPT x 1" FPT						
PR-10-HF	12100041	10 PSI	25	17.0		\$51.43
PR-20-HF	12100043	20 PSI	25	17.0	MTO	\$51.43
PR-25-HF	12100044	25 PSI	25	17.0	MTO	\$51.43
PR-30-HF	12100045	30 PSI	25	17.0	MTO	\$51.43
PR-40-HF	12100046	40 PSI	25	17.0	MTO	\$51.43
PR-50-HF	12100047	50 PSI	25	17.0	MTO	\$51.43



PR-100-M-30

PR-40-HF



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Grommets for PVC Pipe

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Stock Code	List Price
400-GRO	12290031	Drill 9/16" Hole For min. 1" diameter PVC For 400 Barbs	100	3000	3.0		\$0.55
700-GRO	12290032	Drill 13/16" Hole For min. 1-1/2" diameter PVC For 700 Barbs	100	2500	4.5		\$0.90
1000-GRO	12020002	Drill 1 5/16" Hole For min. 3" diameter PVC For 1000 Barbs	50	250	7.5		\$3.47
32-DRAMM GR	12291066	3/8" Dramm Grommet (drill a 7/16" hole)	250	2000			\$0.52



400-GRO



32-DRAMM GR

WideCut Vine Curls

Model #	Part #	Description	Box Qty	Pallet Qty	Box Wt	Stock Code	List Price
A5-CURL-3	11050003	3" for 0.700" O.D. Tubing * (same as Wade's PCURL403A)	1500	1500	16.0		\$0.15
A5-CURL-3G	11050013	Gaylord Quantity- 40,000 (same as Wade's PCURL403AG)		40000	840.0		\$4,658.55
A5-CURL-4	11050004	4" for 0.700" O.D. Tubing * (same as Wade's PCURL404A)	1000	1000	20.0		\$0.18
A5-CURL-4G	11050014	Gaylord Quantity- 25,000 (same as Wade's PCURL404AG)		25000	540.0		\$3,972.09
A6-CURL-3	11050005	3" for 0.830" O.D. Tubing *	1000	36000	18.0		\$0.18
A6-CURL-3G	11050015	Gaylord Quantity- 25,000		25000	605.0		\$3,972.09
A6-CURL-4	11050006	4" for 0.830" O.D. Tubing *	1000	1000	23.0		\$0.21
A6-CURL-4G	11050016	Gaylord Quantity- 20,000		20000	500.0	MTO	\$4,095.37
A7-CURL-4	11050008	4" for 0.940" O.D. Tubing * (same as Wade's PCURL704A)	750	27000	13.0		\$0.23
A7-CURL-4G	11050017	Gaylord Quantity- 15,000 (same as Wade's PCURL704AG)		15000	300.0	MTO	\$3,812.48
A8-CURL-4	11050019	4" for 1.200" O.D. Tubing	750	27000	13.0		\$0.36

* Must order in box quantities, call Customer Service for price.



A5-CURL-3

TOOLS

Goof Plugs

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	List Price
MP-1	12290034	2 sizes per plug. Small plug: shank 0.161", barb 0.214"/Large plug: shank 235", barb 0.293"	100	17500	12.0	\$0.05
HP25	12500398	Single Plug, to plug holes from 0.075 to 0.170	100	10000	10.0	\$0.14
GP24	72500397	Dual Plug, plugs holes from 0.075" to 0.225" and plugs end of 1/4" tubing	100	3000	10.0	\$0.13
MP-400	12290035	Plugs hole made for 400 series barb fittings	50	7000	7.0	\$0.63
MP-400-GRO	12290036	Plugs 400-GRO	50	500	7.0	\$0.68
MP-700	12290037	2 sizes per plug. Small end plugs 700GRO. Large end plugs hole made for 700 series barb in poly.	50	300	10.0	\$1.03
TPA-P	12040091	Plugs 29/64" hole for 1/2 PA. (Glue into PVC)	50	500	10.0	\$0.74
FHC-06-PLUG	12030064	Plug for FCH-06 & 09-LS, PL-KMA	50	500	27.0	\$1.53



MP-1



HP25



GP24



MP-400



MP-400-GRO



MP-700



TPA-P



FHC-06-PLUG

Leak Prevention Devices

Model #	Part #	Description	Bag Qty	Box Qty.	Stock Code	List Price
Lateral LPD						
LLPD-16B	11990616	1/2" NPT thread x 16 mm Barb		280	MTO	\$8.57
LLPD-17B	11990617	1/2" NPT thread x 17 mm Barb		270	MTO	\$8.57
LLPD-20B	11990610	1/2" NPT thread x 20 mm Barb		250	MTO	\$8.57
3/4" Anti-Siphon Device						
PASV77H	72501963	3/4" FHT X 3/4" MHT	20	60		\$4.04

Lateral LPD



LLPD-17B

3/4" Anti-Siphon Valve



PASV77H

Flush Valves

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code	List Price
Flush Valves with Tattle Tail							
FCH-L-FHT	12060036	3/4" FHT X Low Pressure White Plunger	50	1200	25		\$1.46
FCH-H-FHT	12060034	3/4" FHT X High Pressure Orange Plunger	50	1200	25		\$1.46
FCH-L-FIPT	12060037	3/4" FPT X Low Pressure White Plunger (Blue Body)	50	1200	25		\$1.46
FCH-H-FIPT	12060035	3/4" FPT X High Pressure Orange Plunger (Blue Body)	50	1200	25	MTO	\$1.46
Lateral Flush Valves							
LFV-50NPT	12060701	Thread 1/2" NPT Male Lateral Flush Valve		180		MTO	\$7.28
LFV-16B	12060716	Barb 16 mm Lateral Flush Valve		180		MTO	\$7.28
LFV-17B	12060717	Barb 17 mm Lateral Flush Valve		180		MTO	\$7.28
LFV-20B	12060720	Barb 20 mm Lateral Flush Valve		180		MTO	\$7.28
LFV-17T	12060727	Tape 17 mm Lateral Flush Valve		180		MTO	\$7.28
2" Flush Valves							
FCH-2L	12060010	2" MPT x Low Pressure White Plunger		20	8.9		\$35.74
FCH-2H	12060008	2" MPT x High Pressure Black Plunger		20	8.9		\$35.74

Note: Available with BSP Thread.

Flush Valve Operating Information

FCH-L (Low) : 0.6 GPM required to close; reopens when pressure falls below 1 PSI

FCH-H (High) : 0.8 GPM required to close; reopens when pressure falls below 2 PSI

FCH-2L (Low) : 16 GPM required to close; reopens when pressure falls below 1.5 PSI

FCH-2H (High) : 30 GPM required to close; reopens when pressure falls below 7 PSI

Flush Valves with Tattle Tail



FCH-H-FIPT

Lateral Flush Valves



LFV-17B

2" Flush Valves



FCH-2L



Support Hooks and Clips

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Stock Code	List Price
Support Hooks & Clips							
A16H	12291037	16mm Dripline Support Hook	1000	10000			\$0.19
A18H	12291064	18mm Dripline Support Hook (Bulk)		5500			\$0.19
A18HB	12292024	18mm Dripline Support Hook (Bagged)	500	4000			\$0.18
A20H	12291039	20mm Dripline Support Hook	1000	10000		MTO	\$0.20
A25H	12291040	3/4" Hose Support Hook	500	4000		MTO	\$0.49
A32H	12291041	1" Hose Support Hook	250	2000		MTO	\$0.59
52-18CLP	12292023	18mm Clip (Used in Clipline)	500	5500			\$0.19



A18H



52-18CLP

Hose Accessories

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	List Price
Hose Accessories						
3/4" HW	12290014	Vinyl hose washer	100	1000	2.0	\$0.20
3/4" SW	12290015	Vinyl hose washer with 30 mesh stainless steel screen	100	1000	2.0	\$0.48
3/4" FHT Cap	12040073	3/4" FHT Cap - Black	50	1500	14.2	\$0.60



3/4" HW



3/4" SW



3/4" FHT Cap

Figure 8 Tubing End Closures

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Stock Code	List Price
Figure 8 Tubing End Closures							
600-AP8	12290017	Fits tubing O.D. up to 0.660"	100	3000	22.0	R	\$0.24
700-AP8	72290018	Fits tubing O.D. up to 0.720"	25	300	3.3	R	\$0.31
800-AP8	12290115	Fits tubing O.D. up to 0.840"	100	1800	12.0	R	\$0.37
900-AP8	12290116	Fits tubing O.D. up to 0.950"	100	1400	12.0	R	\$0.49
1000-AP8	12290117	Fits tubing O.D. up to 1.3"	50	800	15.0	R	\$1.02



700-AP8

Staples and Stakes

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Stock Code	List Price
Landscape Staples and Stakes							
PS08	72500937	8" Wire Stake, fits 1/8" through 1/2" tube 12 Gauge U.S. Steel Wire, 0.105"	25	1000	2.1	R	\$0.29
S-2	72290042	Micro Tubing from 0.167 to 0.350 O.D.	25	3000	8.0	R	\$0.38
S-3	72290043	Micro Tubing 0.187 O.D.	25	500	3.2	R	\$0.26
S-4	72290044	Fits over 1/2" Tubing	25	300	9.0	R	\$0.62
S-5	12290045	Use on Tubing up to 1" O.D. 5" length 11 Gauge U.S. Steel Wire, 0.121" Dia.		1000	42.0	R	\$0.32
S-7	72500527	6" Heavy-Duty Wire Staple - holds up to .940 OD 12 Gauge U.S. Steel Wire, 0.116" Dia.	100	500	6.0	R	\$0.27
RSTAKE	72015046	6" Riser Stake with 10-32 Thread Outlet	25	250	1.4	R	\$0.87
PCS12	72500807	12" Plastic Stake. Accepts 0.250 O.D. & 0.307 O.D. Tubing, PSA1032 stake adapter and rigid risers (1/4" connector included)	25	200	14.9	R	\$0.69



PS08



S-2



S-3



S-4



S-5



S-7



RSTAKE



PCS12

Micro-Sprinkler Stakes

Model #	Part #	Description	Box Qty	Box Wt	List Price
Micro-Sprinkler Stakes					
STAKE-31R	17097907	Stake 31, Red	550	25	\$1.13
STAKE-31B	17097908	Stake 31, Black	550	25	\$1.13
STAKE-37R	17097947	Stake 37, Red	170	14	\$1.23
MS-12DR	12501132	Multi-stake - Red	250		\$0.93
BUR-STK-47	12290250	Burial Stake (4/7 side inlet, 1/2" socket top)	325		\$1.24



STAKE-31R



STAKE-31B



STAKE-37R



MS-12DR

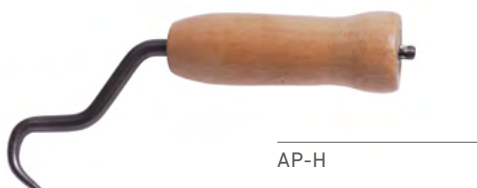


BUR-STK-47

Wire Ties and Tool

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Stock Code	List Price
Wire Ties (18 gauge) and Tool							
AP-H	12290028	Wire Tie Handle	1	200	2.0		\$20.61
AP-4	12290023	4" Galvanized		5000	17.0		\$0.04
AP-2	12290021	6" Galvanized		5000	24.0		\$0.05
AP-8	12290027	8" Galvanized		5000	31.0		\$0.10
AP-1	12290020	4" Stainless Steel		5000	17.0	MT0	\$0.16
AP-3	12290022	6" Stainless Steel		5000	24.0		\$0.20
AP-5	12290024	8" Stainless Steel		5000	31.0		\$0.29

NOTE: All wire ties are sold in box quantities only.



AP-H

Flex Strap Tree Ties

Model #	Part #	Description	Box Qty	Pallet Qty	Box Wt	List Price
Flex Strap Tree Ties						
FSTT-50	71240005	Vinyl construction, coil length 50' (list price = 1 carton) *	12	1	32.4	\$386.50
FSTT-500	71240003	Vinyl construction, coil length 500'	2	2	27.9	\$251.49

* Must order in carton quantities



Flex Strap Tree Ties

Tubing Support Clamp

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Stock Code	List Price
Tubing Support Clamps with Nail							
PC185	72500465	3/16" (0.187 OD)	100	3000	13.7	MTO	\$0.16
PC250	72500466	1/4" (0.250 & 0.220 OD)	100	2000	13.2		\$0.19
PC710	72500468	1/2" (0.710, 0.700, 0.600 OD)	100	500	14.7		\$0.53



PC250

TOOLS

Installation and Service Tools

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Stock Code	List Price
Ejector Style Hole Punches							
AP025	12071006	2.5mm Hole Punch for Drip Emitters or 31-BC170	1	10			\$14.69
AP030	12071008	3.0mm Hole Punch for 4/7mm Barb	1	10			\$14.69
AP036	12071009	3.6mm Hole Punch for 250 Series Barb	1	10			\$14.69
AP070	12071025	7.0mm Hole Punch for 400 Series Barb	1	10			\$14.69
AP012	12071005	12mm Hole Punch for 500 Series Barb	1	10		MTO	\$14.69
AP	12071003	Hole Punch without Tip	1	10			\$8.41
Replacement Tips for Ejector Style Hole Punches							
APT025	12071013	2.5mm Replacement Tip	1	10			\$8.20
APT030	12071014	3.0mm Replacement Tip	1	10			\$8.20
APT036	12071017	3.6mm Replacement Tip	1	10			\$8.20
APT070	12071019	7.0mm Replacement Tip	1	10			\$8.20
APT012	12071012	12mm Replacement Tip	1	10		MTO	\$8.20
Note: Other tips are available by special order: 4.0mm, 5.0mm, 6.0mm, 8.0mm, 9.0mm, 10mm, 11mm, 13mm, and 14mm.							
Drip Punches							
HPT125	12501090	T-Handle hole punch for 1/8" and 1/4" connectors and emitters	1	200	14.2		\$4.49
PQP125	72500491	Quick Punch - punches hole for 1/8" and 1/4" barb fittings. Handle inserts 1/4" connectors.	10	200	11.5		\$5.50
PKP160	72501091	Key Punch and Pep Jet Cap Remover	25	600	11.1		\$1.07
RP	72501092	Punches hole for 1/4" and 3/16" barb fittings	6	72	0.8		\$5.75



AP030



APT036



HPT125



PQP125



PKP160

TOOLS

Installation and Service Tools

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Stock Code	List Price
Punches (DP-4 and 7)							
PP-400	12070065	400 Series Cutting Tool - Red Handle	1	6	1.0		\$45.14
DP-400S	12070032	400 Series Cutting Tool - Ejector Type Red Handle	1	6	1.0		\$60.19
DP-420	12070033	420 Series Cutting Tool - Brown Handle	1	6	1.0		\$17.40
DP-700	12070037	700 Series cutting tool for 700 barb fittings	1	6	1.0		\$63.46
DP-700I	12070038	Flaring and Insert tool	1	6	1.0		\$41.59
DP-700-KIT	12070062	Combo of DP-700 and DP-700I	1	6	1.0	MTO	\$105.05
Standard Type Punch							
DP-M	72015085	Disposable Mini Hole Punch	10	500	13.7		\$1.37
APPT	12290170	JAIN Jet Punch (Red)	1	500	13.7		\$5.95
PP-47	17097785	Punch for 4/7 Tubing	1	10	13.7		\$21.38
T-Handle Hex Installation Tools							
AP-H-1	12070012	1/2" Hex for FHC-09-LS Single Step and PL-70-KMA	1	500	1.0		\$36.61
AP-H-2	12070013	For FHC-06-LS, PL-50, 55, 60 KMA	1	500	1.0		\$43.04
Drill Bits - For Rigid PVC Pipe							
400-DRILL	12070068	9/16" for 400 GRO	1	10	0.5	MTO	\$166.10
700-DRILL	12070069	13/16" for 700 GRO	1	10	0.5		\$184.28
1000-DRILL	12070070	15/16" for 1000 GRO	1	10	0.5		\$339.99
AS DRILL	12070071	1" for AS Saddles	1	10	0.5		\$212.81
ABIT14	12071027	14mm for 31-AGR400 & 31-AGRO	1	10	0.5	MTO	\$182.97

Punches (DP-4 and 7)



PP-400



DP-400S



DP-420

Standard Type Punch



DP-M



APPT



PP-47

T-Handle Hex Installation Tools



AP-H-1

Drill Bits - For Rigid PVC Pipe



400-DRILL



700-DRILL



1000-DRILL



ABIT14

Installation and Service Tools

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Stock Code	List Price
Lay Flat Punches							
LFP-1	12070054	Orange Handle (14mm) for 50-KMA, FHC-1-06, FHC-06-LS	1	10	1.0		\$134.96
LFP-LS-1	12070055	Blue Handle (19mm) for 55, 60 70 KMA and FHC-09-LS	1	10	1.0		\$138.85
Miracle Punch for 16/20mm Tubing							
AMP2	12071032	2.0mm (Red Tip – .075" Hole)	1	10			\$25.96
AMP3	12071033	3.0mm (Blue Tip – .100" Hole)	1				\$25.96
AMP4	12071034	4.0mm (Green Tip – .150" Hole)	1			MTO	\$25.96
AMPRT2	12071054	2.0mm Replacement Tip	1			MTO	\$15.75
AMPRT3	12071035	3.0mm Replacement Tip	1			MTO	\$15.75
AMPRT4	12071036	4.0mm Replacement Tip	1			MTO	\$20.05
Miracle Inserter Tool							
AMPIA	12071057	Insert Adapter for Miracle Punch	1			MTO	\$3.41
AMIT	12071053	Miracle Inserter Tool (Inserts Barb into Micro Tubing)	1			MTO	\$81.09



LFP-LS-1



AMP2



AMIT

Pressure Check Devices

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Stock Code	List Price
Pressure Gauge Check							
ACG	12070006	ACG Gauge Chuck	1	10	4.0		\$31.84
Schrader Tank Valve x MPT							
APS-1/8	12070014	Used for Air Vents, Fittings	1	100	1.5		\$3.55
APS-1/4	13180129	Used on Filters	1	100	2.0		\$4.18
Pressure Test Kit							
PVK-30	12501231	Pressure Test Kit	1	1	1.2	MTO	\$192.06
Pressure Gauge							
AP-G	12070010	Pocket Type 0-50 PSI	1	1	2.0	MTO	\$26.01
Liquid Filled Gauge: 2 1/2" Gauge — 1/4" Lower Connection							
LFG-30	12070326	2 1/2" Liquid Filled Gauge 0 - 30 PSI		50			\$27.86
LFG-60	12070328	2 1/2" Liquid Filled Gauge 0 - 60 PSI		50			\$27.86
LFG-100	12070347	2 1/2" Liquid Filled Gauge 0 - 100 PSI		50			\$27.86
LFG-160	12070330	2 1/2" Liquid Filled Gauge 0 - 160 PSI		50			\$27.86
LFG-200	12070332	2 1/2" Liquid Filled Gauge 0 - 200 PSI		50			\$27.86
Dry Gauge: 2 1/2" Gauge — 1/4" Lower Connection							
DG-60	12070317	2 1/2" Dry Gauge 0 - 60 PSI		50			\$9.10
DG-100	12070318	2 1/2" Dry Gauge 0 - 100 PSI		50			\$9.10
DG-160	12070319	2 1/2" Dry Gauge 0 - 160 PSI		50		MTO	\$9.10
DG-200	12070320	2 1/2" Dry Gauge 0 - 200 PSI		50			\$9.10



ACG



APS-1/8



PVK-30



AP-G



LFG-100



DG-60

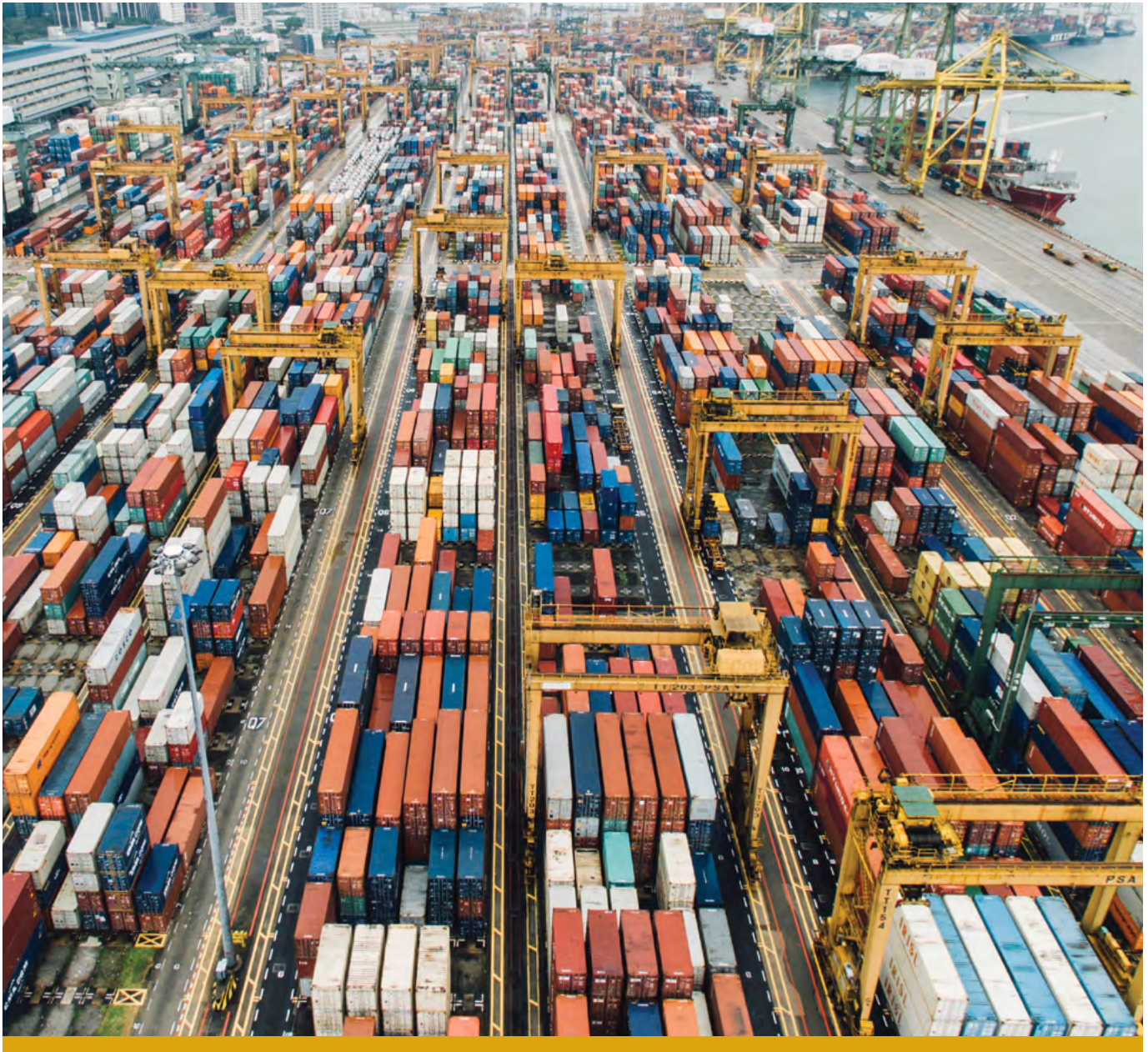


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N-02 Technical Information - Friction Loss Charts

Technical Information

Friction Loss per 100 ft. of Polyethylene (PE)

SIZE I.D.		1/2" 0.622"		3/4" 0.824"		1" 1.049"		1 1/4" 1.380"		1 1/2" 1.610"	
Flow GPM	Flow GPH	Velocity FPS	PSI Loss	Velocity FPS	PSI Loss	Velocity FPS	PSI Loss	Velocity FPS	PSI Loss	Velocity FPS	PSI Loss
1	60	1.06	0.49	0.60	0.12	0.37	0.04	0.21	0.01	0.16	0.00
2	120	2.11	1.76	1.20	0.45	0.74	0.14	0.43	0.04	0.32	0.02
3	180	3.17	3.73	1.80	0.95	1.11	0.29	0.64	0.08	0.47	0.04
4	240	4.22	6.35	2.41	1.62	1.48	0.50	0.86	0.13	0.63	0.06
5	300	5.28	9.60	3.01	2.44	1.86	0.76	1.07	0.20	0.79	0.09
6	360	6.34	13.46	3.61	3.43	2.23	1.06	1.29	0.28	0.95	0.13
7	420	7.39	17.91	4.21	4.56	2.60	1.41	1.50	0.37	1.10	0.18
8	480	8.45	22.93	4.81	5.84	2.97	1.80	1.72	0.47	1.26	0.22
9	540	9.50	28.52	5.41	7.26	3.34	2.24	1.93	0.59	1.42	0.28
10	600	10.56	34.67	6.02	8.82	3.71	2.73	2.15	0.72	1.58	0.34
11	660	11.61	41.36	6.62	10.53	4.08	3.25	2.36	0.86	1.73	0.40
12	720	12.67	48.60	7.22	12.37	4.45	3.82	2.57	1.01	1.89	0.48
14	840			8.42	16.45	5.20	5.08	3.00	1.34	2.21	0.63
16	960			9.63	21.07	5.94	6.51	3.43	1.71	2.52	0.81
18	1,080			10.83	26.21	6.68	8.10	3.86	2.13	2.84	1.01
20	1,200			12.03	31.84	7.42	9.84	4.29	2.59	3.15	1.22
22	1,320			13.24	38.00	8.17	11.74	4.72	3.09	3.47	1.46
24	1,440					8.91	13.79	5.15	3.63	3.78	1.72
26	1,560					9.65	16.00	5.58	4.21	4.10	1.99
28	1,680					10.39	18.35	6.01	4.83	4.41	2.28
30	1,800					11.14	20.85	6.44	5.49	4.73	2.59
35	2,100					12.99	27.74	7.51	7.30	5.52	3.45
40	2,400							8.58	9.35	6.30	4.42
45	2,700							9.65	11.63	7.09	5.49
50	3,000							10.73	14.14	7.88	6.68
55	3,300							11.80	16.87	8.67	7.97
60	3,600							12.87	19.82	9.46	9.36
65	3,900							13.94	22.98	10.24	10.86
70	4,200									11.03	12.45
75	4,500									11.82	14.15
80	4,800									12.61	15.95
85	5,100									13.40	17.84
90	5,400										
95	5,700										
100	6,000										
110	6,600										
120	7,200										
130	7,800										
140	8,400										
150	9,000										
160	9,600										
170	10,200										
180	10,800										
190	11,400										
200	12,000										
225	13,500										
250	15,000										
275	16,500										
300	18,000										
325	19,500										
350	21,000										
375	22,500										
400	24,000										
425	25,500										
450	27,000										
475	28,500										
500	30,000										
550	33,000										
600	36,000										
650	39,000										
700	42,000										
750	45,000										
800	48,000										
850	51,000										
900	54,000										

Technical Information

Friction Loss per 100 ft. of Polyethylene (PE) *continued*

SIZE I.D.		2" 2.067"		2 1/2" 2.469"		3" 3.068"		4" 4.026"		6" 6.065"	
Flow GPM	Flow GPH	Velocity FPS	PSI Loss	Velocity FPS	PSI Loss	Velocity FPS	PSI Loss	Velocity FPS	PSI Loss	Velocity FPS	PSI Loss
1	60	0.10	0.00	0.07	0.00	0.04	0.00	0.03	0.00	0.01	0.00
2	120	0.19	0.01	0.13	0.00	0.09	0.00	0.05	0.00	0.02	0.00
3	180	0.29	0.01	0.20	0.00	0.13	0.00	0.08	0.00	0.03	0.00
4	240	0.38	0.0	0.27	0.01	0.17	0.00	0.10	0.00	0.04	0.00
5	300	0.48	0.03	0.34	0.01	0.22	0.00	0.13	0.00	0.06	0.00
6	360	0.57	0.04	0.40	0.02	0.26	0.01	0.15	0.00	0.07	0.00
7	420	0.67	0.05	0.47	0.02	0.30	0.01	0.18	0.00	0.08	0.00
8	480	0.76	0.07	0.54	0.03	0.35	0.01	0.20	0.00	0.09	0.00
9	540	0.86	0.08	0.60	0.03	0.39	0.01	0.23	0.00	0.10	0.00
10	600	0.96	0.10	0.67	0.04	0.43	0.01	0.25	0.00	0.11	0.00
11	660	1.05	0.12	0.74	0.05	0.48	0.02	0.28	0.00	0.12	0.00
12	720	1.15	0.14	0.80	0.06	0.52	0.02	0.30	0.01	0.13	0.00
14	840	1.34	0.19	0.94	0.08	0.61	0.03	0.35	0.01	0.16	0.00
16	960	1.53	0.24	1.07	0.10	0.69	0.04	0.40	0.01	0.18	0.00
18	1,080	1.72	0.30	1.21	0.13	0.78	0.04	0.45	0.01	0.20	0.00
20	1,200	1.91	0.36	1.34	0.15	0.87	0.05	0.50	0.01	0.22	0.00
22	1,320	2.10	0.43	1.47	0.18	0.95	0.06	0.55	0.02	0.24	0.00
24	1,440	2.29	0.51	1.61	0.21	1.04	0.07	0.60	0.02	0.27	0.00
26	1,560	2.49	0.59	1.74	0.25	1.13	0.09	0.66	0.02	0.29	0.00
28	1,680	2.68	0.68	1.88	0.28	1.22	0.10	0.71	0.03	0.31	0.00
30	1,800	2.87	0.77	2.01	0.32	1.30	0.11	0.76	0.03	0.33	0.00
35	2,100	3.35	1.02	2.35	0.43	1.52	0.15	0.88	0.04	0.39	0.01
40	2,400	3.82	1.31	2.68	0.55	1.74	0.19	1.01	0.05	0.44	0.01
45	2,700	4.30	1.63	3.02	0.69	1.95	0.24	1.13	0.06	0.50	0.01
50	3,000	4.78	1.98	3.35	0.83	2.17	0.29	1.26	0.08	0.56	0.01
55	3,300	5.26	2.36	3.69	0.99	2.39	0.35	1.39	0.09	0.61	0.01
60	3,600	5.74	2.77	4.02	1.17	2.60	0.41	1.51	0.11	0.67	0.01
65	3,900	6.21	3.22	4.36	1.36	2.82	0.47	1.64	0.13	0.72	0.02
70	4,200	6.69	3.69	4.69	1.55	3.04	0.54	1.76	0.14	0.48	0.02
75	4,500	7.17	4.19	5.03	1.77	3.25	0.61	1.89	0.16	0.83	0.02
80	4,800	7.65	4.73	5.36	1.99	3.47	0.69	2.02	0.18	0.89	0.03
85	5,100	8.13	5.29	5.70	2.23	3.69	0.77	2.14	0.21	0.94	0.03
90	5,400	8.61	5.88	6.03	2.48	3.91	0.86	2.27	0.23	1.00	0.03
95	5,700	9.08	6.50	6.37	2.74	4.12	0.95	2.39	0.25	1.06	0.03
100	6,000	9.56	7.15	6.70	3.01	4.34	1.05	2.52	0.28	1.11	0.04
110	6,600	10.52	8.53	7.37	3.59	4.77	1.25	2.77	0.33	1.22	0.05
120	7,200	11.47	10.02	8.04	4.22	5.21	1.47	3.02	0.39	1.33	0.05
130	7,800	12.43	11.62	8.71	4.89	5.64	1.70	3.28	0.45	1.44	0.06
140	8,400	13.39	13.33	9.38	5.61	6.08	1.95	3.53	0.52	1.55	0.07
150	9,000			10.05	6.38	6.51	2.22	3.78	0.59	1.67	0.08
160	9,600			10.72	7.19	6.94	2.50	4.03	0.67	1.78	0.09
170	10,200			11.39	8.04	7.38	2.79	4.28	0.74	1.89	0.10
180	10,800			12.06	8.94	7.81	3.11	4.54	0.83	2.00	0.11
190	11,400			12.73	9.88	8.25	3.43	4.79	0.92	2.11	0.12
200	12,000			13.40	10.87	8.68	3.78	5.04	1.01	2.22	0.14
225	13,500					9.76	4.70	5.67	1.25	2.50	0.17
250	15,000					10.85	5.71	6.30	1.52	2.78	0.21
275	16,500					11.93	6.81	6.93	1.81	3.05	0.25
300	18,000					13.02	8.00	7.56	2.13	3.33	0.29
325	19,500							8.19	2.47	3.61	0.34
350	21,000							8.82	2.84	3.89	0.39
375	22,500							9.45	3.22	4.16	0.44
400	24,000							10.08	3.63	4.44	0.49
425	25,500							10.71	4.06	4.72	0.55
450	27,000							11.34	4.52	5.00	0.62
475	28,500							11.97	4.99	5.28	0.68
500	30,000							12.60	5.49	5.55	0.75
550	33,000							13.86	6.55	6.11	0.89
600	36,000									6.66	1.05
650	39,000									7.22	1.22
700	42,000									7.77	1.39
750	45,000									8.33	1.58
800	48,000									8.88	1.79
850	51,000									9.44	2.00
900	54,000									9.99	2.22



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B-02 Product Warranty

WARRANTY

Product Warranty

Limited Warranties—Manufacturing Defects

Subject to Product Limitations, Warranty Scope, Notification, Pro-Ration, and Conditions of Use herein stated, JAIN Irrigation, Inc., a California Corporation, 2851 East Florence Avenue, Fresno, CA 93721, ("JAIN"), is proud to provide a limited warranty of products manufactured and/or sold by JAIN, for manufacturing defects in the workmanship and materials, from the original date of manufacture to the time period listed in the table below.

Limited Warranties—Manufacturing Defects

Product	Wall Thickness (WT) or Other	Materials and Workmanship	Environmental Stress Cracking Surface Installation	Environmental Stress Cracking Sub-Surface Installation
Polyethylene Tubing	WT > 0.035"	5 years	12 years	12 years
Polyethylene Tubing	0.030" < WT < 0.035"	2 years	2 years	5 years
Oval Hose/Flat Tube	21 and 44 psi.	2 years	2 years	N/A
Heavy-wall Dripperline	WT > 0.035"	5 years	12 years	12 years
Medium-wall Dripperline 1	0.013" < WT < 0.035"	3 years	3 years	5 years
Thin-wall Dripperline 1/2	WT < 0.013"	1 year	1 year	1 year
Medium-wall Tape 1	0.011" < WT < 0.025"	2 years	2 year	5 years
Thin-wall Tape 2	0.006" < WT < 0.010"	1 year	1 year	1 year
Micro-wall Tape 3	WT < 0.006"	6 months	6 months	6 months
Raphael Valve	N/A	1 year	1 year	N/A
NaanDanJain Sprinklers	N/A	5 years	N/A	N/A
All other JAIN and NaanDanJain Manufactured Parts	N/A	1 year	1 year	1 year

- 1) Drip Tapes and Dripperline lines with Wall Thickness, 0.011" < WT < 0.025", pressures not to exceed 15 psi.
- 2) Drip Tapes and Dripperline lines with Wall Thickness, 0.006" < WT < 0.010", pressures not to exceed 10 psi.
- 3) Drip Tapes and Dripperline lines with Wall Thickness, WT < 0.06", pressures not to exceed 6 psi.
- 4) 6 Months or single use.
- 5) Should normal use of product involve sub-surface application, otherwise not covered.

THIS IS THE ENTIRE EXCLUSIVE SCOPE OF THIS WARRANTY, AND ANY PORTION HEREOF CANNOT BE ALTERED, WAIVED, EXTENDED, OR EXPANDED, AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED, IMPLIED OR OTHERWISE COMMUNICATED, INCLUDING WARRANTIES OF MERCHANT ABILITY AND WARRANTIES OF FITNESS OF PARTICULAR USE.

Product Limitations

This warranty does not apply to those products, that have been subjected to pressure exceeding maximum operating, used in static flow or continuous pressure situations with no or de minimus flow, in use with heated water, in use to grow or propagate illegal plants, or in connection with a potable water service. Buyer is responsible and liable for accepting advice regarding the use of this product and does so at his own risk.

Notification

JAIN must be notified within 72 hours of knowledge of product failure in writing, said writing being communicated in the most expedient manner to accomplished delivery to JAIN within 72 hours of said product failure. Customer is to further provide JAIN the opportunity to inspect the product within a reasonable amount of time in the condition and location of the product at the time of failure. Customer shall provide JAIN access to any pumping, filtration and fertilizing means associated with the use of said product. Customer must obtain a Return Material Authorization (RMA) from JAIN prior to return of any product to Jain, said product being returned to JAIN at the expense of the customer. Failure to obtain an RMA will void this warranty.

Scope of Warranty Liability

At the sole discretion of JAIN, JAIN shall have the option to repair or replace, part or all, of a defective product, or refund, partially or entirely, the original purchase price, if after inspection by JAIN, subject to all other terms of this warranty, said defective product is proven to be defective in material or workmanship. Remedies provided herein this section shall be the only, exclusive and sole remedy of the purchaser of the product.

JAIN is not liable for and does not warranty any labor, including but not limited to, labor on installation or removal of defective product, operating costs, loss of sales or profits, crop or vegetation loss, or any other consequential, incidental or punitive damages of any type, whether foreseeable or not, resulting from the use of its products. JAIN is not responsible for any incidental or consequential damages to any person, property, including personal property and residential structures, crop or landscaping resulting from the use of JAIN products, and purchaser assumes all such risks.

This warranty is not transferable and does not extend to those persons who did not directly purchase the product from JAIN or from those vendors authorized to resell JAIN product. JAIN has only a 1 year warranty for workmanship to OEM customers.

Conditions of Use

Products intended for outdoor use only. Misuse, neglect, modification, unauthorized repair, accident, mishandling, insects, rodents, animals, installation not in accordance with JAIN recommendations, mechanical damages, including but not limited to mechanical installation of the product or use of mechanical equipment and devices in proximity to said products, misuse of products not sold or manufactured by JAIN, but used in conjunction with JAIN products or failure to use adequate filtration, whereby blockages and sediments contribute or cause product failure will void this warranty in its entirety. Use of chemicals, either naturally occurring or synthetically created, in concentrations above JAIN recommended levels will void this warranty.

SCOPE OF WARRANTY LIABILITY

Please Take Notice:

This express limited warranty applies to both persons or entities who directly purchase this product from Jain, and to those persons or entities who purchase this product from those vendors authorized to resell JAIN Products.

JAIN shall have the option to repair or replace part of all of the defective products, or to refund, partially or entirely, the original purchase price, if after inspection by JAIN, subject to all other terms of this warranty, said defective product is proven to be defective in material or workmanship. Remedies provided in this section shall be the only, exclusive and sole remedy against JAIN of the purchaser of this product, or of such persons who purchase this product from a vendor authorized to resell JAIN products.

JAIN is not liable for and does not warrant any labor expense, including but not limited to the cost of labor necessary to install, examine, or remove any defective product or to install any replacement product, including replacement product provided pursuant to this express limited warranty. JAIN is not liable for and does not warrant any other damages, incidental damages, or consequential damages whatsoever, including operating costs, lost sales, lost profits, damage to crops, failure of crops to thrive, damage to persons or personal property, damage to landscaping, damage to residential or commercial structures, court costs, attorney fees exemplary or punitive damages, whether foreseeable or not, resulting from the use of JAIN's products, and the purchaser assumes all risks.

JAIN is not liable to its vendors or any other person or entity for reimbursement, contribution, express or implied indemnity, subrogation, or repayment of damages for which the claimant is held responsible to another.

This express limited warranty is not transferable and does not extend to those persons or entities who did not directly purchase this product from JAIN or from those vendors authorized to resell Jain products. JAIN has only a one (1) year warranty for workmanship to OEM customers.

TERMS AND CONDITIONS OF SALE

Order Acceptance:

JAIN IRRIGATION, INC., a California corporation ("Seller"), reserves the right to accept or reject any order. Possession of a price list shall not be construed as an offer to sell the products listed therein. All orders accepted for shipment are subject to Seller's prior credit approval in its sole discretion.

New customers seeking to establish a credit account are required to furnish a completed credit application along with any other information requested or required for credit review and approval. ALL SALES ARE FINAL. The laws of the State of California apply to all sales of products to customers. In the event of a conflict in any written terms or conditions, the terms and conditions set forth herein shall prevail over all inconsistent terms or conditions of customer. Customer's additional terms or conditions shall not apply without Seller's written consent thereto in each instance.

Minimum Order Policy:

Terms of Payment

Terms are Net 30 days (OAC) or as agreed to by Seller in writing at the time of order acceptance. Customer agrees to pay all costs of collection, including attorneys' fees and costs, and the maximum interest allowed by law, incurred by Seller in the collection of past due balances.

Current Prices

All of Seller's products are sold at prices in effect at the time of order acceptance. Prices, discounts, and terms and conditions of sale are subject to change at any time without notice.

Cancellation

Custom products and made to order products cannot be cancelled after order placement.

Minimum Orders

Shortage

Claims for shortages must be made within 10 days of receipt of the product. Customer assumes the responsibility to promptly inspect all shipments. Claims must be made in writing, and identify the invoice number and date shipped.

Freight and Delivery

All shipments are F.O.B. local stocking warehouse or manufacturing facility, as applicable. Title to the products, and risks of loss, passes to customer at the time of delivery by Seller to the freight carrier selected by Seller. Seller is not liable for loss or damage occurring during shipment; and customer assumes the responsibility to insure each shipment. Any claims for loss should be filed by customer with the freight carrier immediately upon notification. Date of delivery estimates are estimates made in good faith and are subject to delay due to government restrictions, failure of our suppliers to deliver, fire, strikes, power failures, Acts of God, or other causes beyond our reasonable control. Packaging of all products shall be at the discretion of Seller, unless otherwise agreed in writing.

Product Changes

Seller reserves the right to redesign, alter or modify its products without any liability for customer's or any third parties' existing inventory that may become obsolete as a result of such changes.

MTO (Made to Order) & Custom Tubing minimum order
Emitterline / Thickwall (except Mini-Pepline) 60,000'
Minimum / \$500 Set-up charge for <60,000' /
Qty. Overages—up to 10% of order—will be shipped
and invoiced

IPS—Cut-Lengths

MTO/Custom C/L Run - 12,000' Minimum / \$500 Set-up
charge for < 12,000' / Overages—up to 10% of order—will
be shipped and invoiced

Blank Tubing (Black)—0.900 OD and Above

MTO/Custom—40,000' Minimum / \$500 Set-up charge
for <40,000' Min / Overages—up to 10% of order—will be
shipped and invoiced

Blank Tubing (Black)—0.899 OD and Below

MTO/Custom - 80,000' Minimum / \$500 Set-up charge
for <80,000' Min / Overages—up to 10% of order—will be
shipped and invoiced

Custom Color Blank Tubing—Any Color / Any Size

MTO/Custom—100,000' Minimum / \$1000 Set-up charge
for <100,000' Min / Overages—up to 10% of Order—will be
shipped and invoiced

Weights are in “pounds” (lbs.);

Carton Dimensions are in “inches” (in.);

Carton Cubes are in “feet” (ft.).

Must Order in Bag or Carton Quantities.

**Contact your Sales Manager for custom items or
truckload tubing quantities.**

JAIN is a fully integrated global food / plant production company recognized by Harvard Business to be one of five global sustainability champions, the G-20 for lifting people out of poverty, and Fortune magazine for being a "Change the World Company." Our irrigation manufacturing capabilities include everything from behind the pump to the flush valve at the end of the lateral and everything in between. We lead the industry in manufacturing technology, owning both our extrusion and mold manufacturing equipment providers.

JAIN leads plant science research globally across a variety of food crops and is staffed with some of the world's leading research scientists. With the Gandhi Library, JAIN now houses the leading collection of the world's best plant science knowledge in a single facility. Our agronomic knowledge is integrated from our world class plant tissue culture operations through our food processing businesses. We research, educate, advance, manufacture, finance, propagate plants, and purchase produce for processing all in an effort to fulfill the JAIN mission:

"Leave This World Better Than You Found It"

JAIN Irrigation, Inc.

www.jainsusa.com

JAIN Customer Service

Phone: (559) 485-7171

Fax: (800) 777-6162

Western Manufacturing Facility

2851 E. Florence Ave.

Fresno, CA 93721

Northeastern Manufacturing Facility

740 Water St.

Watertown, NY 13601

ETwater Corporate Offices

6 Hamilton Landing Suite 175

Novato, CA 94949

