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**JAIN**

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“I can always count on Chapin to deliver the quality results I expect. It’s a great product backed by an excellent team.”

**Scott Rossi**, Farm Manager  
Tanimura & Antle Farms, Salinas, CA

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# Chapin BTF Drip Tape

TAPE & EMITTERLINE

Diameter (Inch)	Wall Thickness (mil)	Reel Length (ft)	Estimated Reel Weight (lbs)	Reel Size Dia. x Width (Inch)	Reels per Pallet
<b>BTF 5/8" (06) Thin-Wall Drip Tape</b>					
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
<b>BTF 7/8" (09) Thin-Wall</b>					
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.)		
				at 6 PSI	at 8 PSI	at 10 PSI	5/8"	7/8"	
			Inch	gpm/100ft	gpm/100ft	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	-		
				1.06	1.33				
				1.44	1.80				
		06	0.40	0.50	100			075	
			0.52	0.65					
			0.68	0.85					
	07	1.06	1.33	084		065			
		0.32	0.40						
		0.40	0.50						
	7/8" (09)	08	8		0.52		0.65	075	055
					0.68		0.85		
					1.20		1.50		
10		12	0.20	0.25	060	045			
			0.24	0.30					
			0.32	0.40					
13	12	0.40	0.50	050			035		
		0.52	0.65						
		0.80	1.00						
15	16	0.16	0.20		040	030			

**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

TAPE & EMITTERLINE

Diameter (Inch)	Wall Thickness (mil)	Reel Length (ft)	Estimated Reel Weight (lbs)	Reel Size Dia. x Width (Inch)	Reels per Pallet
<b>DLX 5/8" (06) Thin-Wall Drip Tape</b>					
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
<b>DLX 7/8" (09) Thin-Wall Drip Tape</b>					
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			Length (100s ft.)			
				at 6 PSI	at 8 PSI	at 10 PSI	5/8"	7/8"		
			Inch	gpm/100ft	gpm/100ft	gpm/100ft	5/8"	7/8"		
DLX	5/8" (06)	05	2	1.60	2.00	120	-			
				0.80	1.00					
			4	1.06	1.33					
				1.44	1.80					
			06	6	0.24			0.30	100	075
					0.32			0.40		
		0.40			0.50					
		8		0.80	1.00					
				1.06	1.33					
				0.32	0.40					
		07	8	0.40	0.50	084	065			
				0.52	0.65					
				0.68	0.85					
			10	1.20	1.50			075	055	
				0.20	0.25					
				0.24	0.30					
		08	12	0.32	0.40	060	045			
				0.40	0.50					
0.52	0.65									
13	16		0.80	1.00	050			035		
			1.20	1.50						
			0.16	0.20						
15	18	0.40	0.50	040		030				
		0.12	0.15							
		0.16	0.20							
	24	0.24	0.30							
		0.40	0.50							
		0.40	0.50							

**Example:** DLX 09 05 08 050 030

**Model:** DLX 09 05 08 050-030 | **Description:** Chapin DLX, 5/8" (06) ID, 4 mil, 8" Spacing, 0.50 gpm/100ft, 13,000 ft/reel.

# Cascade Drip Tape

TAPE & EMITTERLINE

Diameter (in)	Wall Thickness (mil)	Reel Length (ft)	Estimated Reel Weight (lbs)	Pallet Quantity
<b>5/8" Cascade</b>				
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
<b>7/8" Cascade</b>				
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
<b>1" Cascade</b>				
1" (10)	10	4,500	65	16
1" (10)	13	3,000	65	16
1" (10)	15	3,000	67	16
<b>1 1/8" Cascade</b>				
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
<b>1 3/8" Cascade</b>				
1-3/8" (14)	15	2,700	82	16

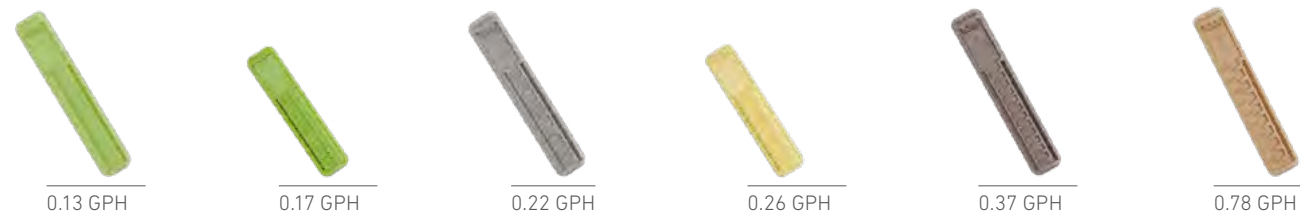
Note: Please contact Jain Customer Service for price and availability.

## 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



TAPE & EMITTERLINE

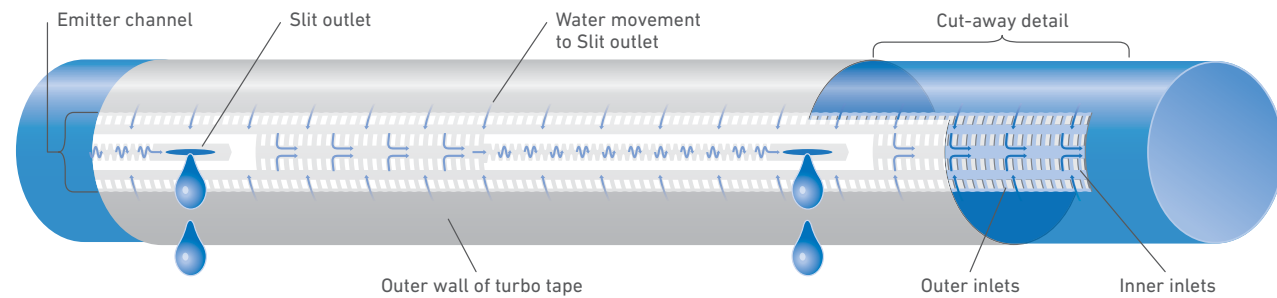
# Turbo Tape Echelon Drip Tape

TAPE & EMITTERLINE

Diameter (in)	Wall Thickness (mil)	Reel Length (ft)	Estimated Reel Weight (lbs)	Pallet Quantity
<b>5/8" (06) Turbo Tape Echelon</b>				
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
<b>7/8" (09) Turbo Tape Echelon</b>				
7/8" (09)	6	7,500	71	16
7/8" (09)	8	5,500	65	16
7/8" (09)	10	4,500	54	16



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



TAPE & EMITTERLINE

Turbo Tape	Size	MIL Thickness	Spacing (inch)	Flow Rates at 8 PSI (GPM/100 ft)	Flow Rates at 10 PSI (GPM/100 ft)	Length (Feet)		
TTEX	5/8" (06)	5	6	0.22 0.27	0.25 0.30	12,000		
			8	0.18 0.22 0.27 0.35 0.43	0.20 0.25 0.30 0.40 0.50			
			12	0.18 0.20	0.20 0.25			
			6	6	0.22 0.27		0.25 0.30	10,000
				8	0.18 0.22 0.27 0.35 0.43		0.20 0.25 0.30 0.40 0.50	
				12	0.18 0.20		0.20 0.25	
		8		6	0.22 0.27	0.25 0.30	10,000	
				8	0.18 0.22 0.27 0.35 0.43	0.20 0.25 0.30 0.40 0.50		
				12	0.18 0.20	0.20 0.25		
			10	6	0.22 0.27	0.25 0.30		7,500
				8	0.22 0.27 0.35 0.43	0.25 0.30 0.40 0.50		
				12	0.18 0.20	0.20 0.25		
	7/8" (09)	6		6	0.22 0.27	0.25 0.30	7,500	
				8	0.18 0.22 0.27 0.35 0.43	0.20 0.25 0.30 0.40 0.50		
				12	0.18 0.20	0.20 0.25		
			8	6	0.22 0.27	0.25 0.30		5,500
				8	0.18 0.22 0.27 0.35 0.43	0.20 0.25 0.30 0.40 0.50		
				12	0.18 0.20	0.20 0.25		
		10		6	0.22 0.27	0.25 0.30	4,500	
				8	0.22 0.27 0.35 0.43	0.25 0.30 0.40 0.50		
				12	0.18 0.20	0.20 0.25		

# 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	0.26	12 18 24 30 36 42 48	AS	1000
	TD18 (0.710" OD x 0.620" ID)	40	0.42			
	TD20 (0.780" OD x 0.690" ID)	45*	0.53			
	TD22 (0.920" OD x 0.820" ID)	50	0.61			

**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

TAPE & 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	AP17 (.660" O.D. x .570" I.D.) AP18 (.710" O.D. x .620" I.D.) AP20 (.800" O.D. x .710" I.D.) AP22 (.920 OD x .820 I.D.)	35 40 45* 50	0.29 0.42 0.53 0.61 1.06	12	AS  CNL	1000
				18		
				24		
				30		
				36		
				42		
				48		
				60		

**Example:** AP18 45 42 30 AS 1000

**Model:** AP18 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

TAPE & EMITTERLINE

## 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.) CAP20 (.800" O.D. x .710" I.D.)	.40"  .45"*  .50"	0.29 0.42 0.53 0.61 1.06	12	AS  CNL	12	1000
				18		18	
				24		24	
				30		30	
				36		36	
				42		42	
				48			

**Example:** CAP20 45 53 24 AS 24-1000

**Model:** CAP20 45 53 24 AS 24-1000

**Description:** 20mm tubing, 45" wall, 0.53 GPH Amnon AS Emitter, 24" spacing on emitters and 24" spacing on clips, 1000' Coil

\* Standard wall thickness





# Total CV Emitterline

TAPE & EMITTERLINE

Model #	Part #	Description	Dimension I.D. O.D.	Coil Length (ft)	Color	Est. Weight (lbs)	Pallet (Qty)
<b>Total CV Emitterline</b>							
CV-67-61-12-10	71500740	700 x 600 0.61GPH @ 12"	0.6 0.7	100	Black	5	60
CV-67-61-12-50	71500741	700 x 600 0.61GPH @ 12"	0.6 0.7	500	Black	19	24
CV-67-61-18-10	71500803	700 x 600 .61GPH @18"	0.6 0.7	100	Black	5	60
CV-67-61-18-50	71500804	700 x 600 .61GPH @ 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 0.61GPH @ 12"	0.56 0.66	100	Brown	5	60
CV-17-61-12-50	71591207	17 mm 0.61GPH @ 12"	0.56 0.66	500	Brown	19	24
CV-17-61-18-10	71591213	17 mm 0.61GPH @ 18"	0.56 0.66	100	Brown	5	60
CV-17-61-18-50	71591219	17 mm 0.61GPH @ 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.)	0.29	12	100 (10)	- (Black)
		0.42	18	500 (50)	
	0.53	24			1000 (100)
	0.61		1.00	B (Brown)	

**Example:** CV17 53 12 50-B | **Description:** TOTAL CV 17mm, 0.53 GPH emitter, 12" spacing on emitter, 500' Brown Coil



TAPE & EMITTERLINE

# Mini-Pepline Emitterline

TAPE & EMITTERLINE

Model #	Part #	Description	Coil Length (ft)	Color	Est. Weight (lbs)	Box (Qty)	Stock Code
<b>Mini-Pepline (.250 O.D x .170 I.D)</b>							
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	100	- (Black)
		12	250	B (Brown)
			500	

**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 & EMITTERLINE

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Part #	Model #	Page	Price
71200503	660x560-100PEB	A-14	\$44.09
71200505	660x560-500PEB	A-14	\$119.72
71500023	PM0406100	A-16	\$33.06
71500025	PM0412100	A-16	\$26.45
71500740	CV-67-61-12-10	A-14	\$80.79
71500741	CV-67-61-12-50	A-14	\$404.13
71500803	CV-67-61-18-10	A-14	\$71.02
71500804	CV-67-61-18-50	A-14	\$264.48
71500805	CV-67-100-18-10	A-14	\$60.83
71500861	PM0406500	A-16	\$165.61
71500862	PM0412500	A-16	\$132.24
71500867	PM04061000	A-16	\$486.93
71500868	PM04061000B	A-16	\$494.34

Part #	Model #	Page	Price
71500880	PM0406100B	A-16	\$33.06
71500881	PM0412100B	A-16	\$26.45
71500890	CV-67-100-12-10	A-14	\$86.64
71500921	CV-67-100-12-50	A-14	\$325.03
71500922	CV-67-100-18-50	A-14	\$264.48
71591201	CV-17-61-12-10	A-14	\$58.19
71591207	CV-17-61-12-50	A-14	\$252.12
71591213	CV-17-61-18-10	A-14	\$52.90
71591219	CV-17-61-18-50	A-14	\$241.00
71591301	CV-17-100-12-10	A-14	\$58.19
71591307	CV-17-100-12-50	A-14	\$252.12
71591313	CV-17-100-18-10	A-14	\$52.90
71591319	CV-17-100-18-50	A-14	\$241.00

Page	Model #	Part #	Price
A-14	660x560-100PEB	71200503	\$44.09
A-14	660x560-500PEB	71200505	\$119.72
A-14	CV-67-61-12-10	71500740	\$80.79
A-14	CV-67-61-12-50	71500741	\$404.13
A-14	CV-67-61-18-10	71500803	\$71.02
A-14	CV-67-61-18-50	71500804	\$264.48
A-14	CV-67-100-18-10	71500805	\$60.83
A-14	CV-67-100-12-10	71500890	\$86.64
A-14	CV-67-100-12-50	71500921	\$325.03
A-14	CV-67-100-18-50	71500922	\$264.48
A-14	CV-17-61-12-10	71591201	\$58.19
A-14	CV-17-61-12-50	71591207	\$252.12
A-14	CV-17-61-18-10	71591213	\$52.90

Page	Model #	Part #	Price
A-14	CV-17-61-18-50	71591219	\$241.00
A-14	CV-17-100-12-10	71591301	\$58.19
A-14	CV-17-100-12-50	71591307	\$252.12
A-14	CV-17-100-18-10	71591313	\$52.90
A-14	CV-17-100-18-50	71591319	\$241.00
A-16	PM0406100	71500023	\$33.06
A-16	PM0412100	71500025	\$26.45
A-16	PM0406500	71500861	\$165.61
A-16	PM0412500	71500862	\$132.24
A-16	PM04061000	71500867	\$486.93
A-16	PM04061000B	71500868	\$494.34
A-16	PM0406100B	71500880	\$33.06
A-16	PM0412100B	71500881	\$26.45



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- B-02** Micro / Distribution Tubing
- B-04** Bubbler and Nursery Tubing
- B-05** IPS Flex Risers and Irrigation Hose
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- B-09** Oval and Aqua-Flat Hose

## Micro / Distribution Tubing

### 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

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



0.187 x 0.125 (100' Coil)

## Micro / Distribution Tubing

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



0.250 x 0.170 (2500' Coil)

## Bubbler and Nursery Tubing

Model #	Part #	Description	Box (Qty)	Box Wt (lbs)	Box Code	Pallet (Qty)	Stock Code
<b>Bubbler Tubing</b>							
PQB-100	71500155	100' coil of POLY Bubbler tubing banded with instructions	20	32.0	M	540	
PQB-1000	71500156	1000' coil of POLY Bubbler tubing on starburst reel	2	36.0	M	96	MTO
PQBV-100	71500158	100' coil of VINYL Bubbler tubing banded with instructions	20	32.0	M	540	
PQBV-1000	71500159	1000' coil of VINYL Bubbler tubing on starburst reel	2	36.0	M	96	MTO
<b>1/4" Nursery Tubing</b>							
187x125-100N	11190788	100' coil of nursery tubing - white	25	18.0	M	900	MTO
187x125-1000N	11190789	1000' coil of nursery tubing - white	2	16.0	M	72	MTO
187x125-3000N	11190790	3000' coil of nursery tubing - white	1	22.0	M	36	MTO
220x150-100N	11190791	100' coil of nursery tubing - white	20	21.0	M	720	MTO
220x150-1000N	11190792	1000' coil of nursery tubing - white	2	25.0	M	72	MTO
220x150-2500N	11190793	2500' coil of nursery tubing - white	1	30.0	M	36	MTO

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
<b>1/2" IPS 0.840 O.D. 0.147 WALL</b>							
1/2-IPS-100	11210008	1/2" IPS	100	-	21.0	50	
1/2-IPS-200	11210007	1/2" IPS	200	-	42.0	24	
1/2-IPS-CL12	11210010	1/2" IPS	12	50	10.0	3000	MTO
1/2-IPS-CL24	11210017	1/2" IPS	24	50	21.0	2500	
1/2-IPS-CL30	11210020	1/2" IPS	30	50	26.0	2000	MTO
1/2-IPS-CL36	11210021	1/2" IPS	36	50	31.0	1200	
1/2-IPS-CL42	11210023	1/2" IPS	42	50	37.0	1500	MTO
1/2-IPS-CL48	11210025	1/2" IPS	48	50	41.0	1500	
1/2-IPS-CL60	11210028	1/2" IPS	60	50	51.0	1500	
1/2-IPS-CL72	11210029	1/2" IPS	72	50	63.0	1500	
<b>3/4" IPS 1.05 O.D. 0.154 WALL</b>							
3/4-IPS-100	11210061	3/4" IPS	100	-	27.0	36	
3/4-IPS-200	11210060	3/4" IPS	200	-	54.0	24	
3/4-IPS-CL5	11210082	3/4" IPS	5	25		5	MTO
3/4-IPS-CL18	11210068	3/4" IPS	18	25	11.0	3000	MTO
3/4-IPS-CL24	11210071	3/4" IPS	24	25	14.0	2000	
3/4-IPS-CL30	11210074	3/4" IPS	30	25	17.0	2000	
3/4-IPS-CL36	11210077	3/4" IPS	36	25	20.0	1500	
3/4-IPS-CL42	11210079	3/4" IPS	42	25	24.0	1500	
3/4-IPS-CL48	11210081	3/4" IPS	48	25	27.0	1500	
3/4-IPS-CL60	11210085	3/4" IPS	60	25	34.0	1000	
3/4-IPS-CL72	11210087	3/4" IPS	72	25	42.0	500	
<b>1" IPS 1.315 O.D. 0.179 WALL</b>							
1-IPS-100	11210042	1" IPS	100	-	41.0	24	
1-IPS-CL24	11210046	1" IPS	24	20	17.0	1200	
1-IPS-CL30	11210047	1" IPS	30	20	20.5	800	
1-IPS-CL36	11210048	1" IPS	36	20	24.6	800	
1-IPS-CL48	11210050	1" IPS	48	20	33.0	800	

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)
<b>Flex Vinyl Irrigation Hose - 1/2" hose 0.680 O.D. 0.090 wall</b>					
1/2-IH	11210034	1/2" Irrigation Hose	500	54.0	24
<b>Flex Vinyl Irrigation Hose - 5/8" hose 0.825 O.D. 0.100 wall</b>					
5/8-IH	11210093	5/8" Irrigation Hose	300	46.0	24
<b>Flex Vinyl Irrigation Hose - 3/4" hose 0.970 O.D. 0.110 wall</b>					
3/4-IH	11210054	3/4" Irrigation Hose	200	39.0	24

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

## Black Steel Tubing

Model	Model #	Part #	Nominal Size (in)	Power-Loc	Coil Length (ft)	Working Pressure	Stock Code
<b>Black Steel Tubing*</b>							
Model 620	B620-42-1200	11200444	1/2"	PL-60	1200	54	MTO
Model 720	B720-45-1200	11200445	5/8"	PL-70	1200	52	MTO
Model 820	B820-47-1200	11200450	3/4"	PL-80	1200	55	MTO
Model 1060	B1060-57-660	11200452	1"	PL-100	660	46	MTO

\* For use with Power-Loc fittings only.



## Polyethylene Supply Tubing

Model #	Part #	Nominal Size (in)	I.D.	O.D.	Coil Length (ft)	Coil Width	Coil Height	Pallet Qty	Estimated Wt (lbs)	Working Pressure	Stock Code
<b>Supply Tubing - PE - Black</b>											
455X375-500PE	11190531	3/8	0.375"	0.455"	500 FT	17	10	36	11	77	
455X375-1000PE	11190534	3/8	0.375"	0.455"	1000 FT	24	10	36	21	77	
620X520-100PE	71200061	1/2	0.520"	0.620"	100 FT	16	6	78	2	70	
620X520-500PE	71200064	1/2	0.520"	0.620"	500 FT	24	24	28	18	70	
620X520-1000PE	11200067	1/2	0.520"	0.620"	1000 FT	30	24	28	36	70	
700X600-100PE	71200002	1/2	0.600"	0.700"	100 FT	16	6	78	4	62	
700X600-500PE	71200007	1/2	0.600"	0.700"	500 FT	22	12	28	21	62	
700X600-1000PE	11200001	1/2	0.600"	0.700"	1000 FT	31	10	28	41	62	
710X620-100PE	71200012	1/2	0.620"	0.710"	100 FT	16	6	78	10	54	
710X620-500PE	71200017	1/2	0.620"	0.710"	500 FT	24	10	28	19	54	
710X620-1000PE	11200018	1/2	0.620"	0.710"	1000 FT	31	10	24	38	54	
820X720-1000PE	11200195	5/8	0.720"	0.820"	1000 FT	36	10	12	49	52	
927X817-100PE	11200045	3/4	0.817"	0.927"	100 FT	22	6	40	6	50	
927X817-500PE	11200048	3/4	0.817"	0.927"	500 FT	33	10	12	30	50	MTO
927X817-1000PE	11200049	3/4	0.817"	0.927"	1000 FT	42	10	6	61	50	MTO
940X820-100PE	71200041	3/4	0.820"	0.940"	100 FT	22	6	40	7	55	
940X820-250PE	71200043	3/4	0.820"	0.940"	250 FT	27	8	24	17	55	
940X820-500PE	71200044	3/4	0.820"	0.940"	500 FT	33	10	12	34	55	
940X820-1000PE	11200040	3/4	0.820"	0.940"	1000 FT	42	10	6	67	55	MTO
940X830-500PE	11200138	3/4	0.830"	0.940"	500 FT	33	10	12	31	50	
940X830-1000PE	11200119	3/4	0.830"	0.940"	1000 FT	42	10	6	62	50	
1174X1050-100PE	11200030	1	1.050"	1.174"	100 FT	31	6	10	9	45	MTO
1174x1050-660PE	11200029	1	1.050"	1.174"	660 FT	45	10	6	58	45	MTO
1190X1060-660PE	11200108	1	1.060"	1.190"	660 FT	46	10	6	61	46	MTO
1200X1060-660PE	11200025	1	1.060"	1.200"	660 FT	46	10	6	67	50	
1550X1390-300PE	11200014	1 1/4	1.390"	1.550"	300 FT	52	8	10	37	44	

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



100% Virgin Resin Polyethylene

## Polyethylene Supply Tubing

SUPPLY TUBING

Model #	Part #	Nominal Size	Wall Thickness	Coil Length (ft)	Pallet Qty	Estimated Coil Wt (lbs)	Pallet Qty	Est Weight (lbs)	Stock Code
<b>Supply Tubing - White</b>									
W520X620-50	11200603	0.620"	0.050"	0.520"	0.050"	500'	28	18	MTO
W520X620-100	11200604	0.620"	0.050"	0.520"	0.050"	1,000'	28	36	MTO
W600X700-50	11200601	0.700"	0.050"	0.600"	0.050"	500'	28	21	MTO
W600X700-100	11200602	0.700"	0.050"	0.600"	0.050"	1,000'	28	41	MTO
W620X710-50	11202001	0.710"	0.045"	0.620"	0.045"	500'	28	19	MTO
W620X710-100	11202002	0.710"	0.045"	0.620"	0.045"	1,000'	24	38	MTO
W830X940-50	11202003	0.940"	0.060"	0.820"	0.060"	500'	10	34	MTO
W106X120-50	11202005	1.20"	0.070"	1.06"	0.070"	500'	8	50	MTO



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



### 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'

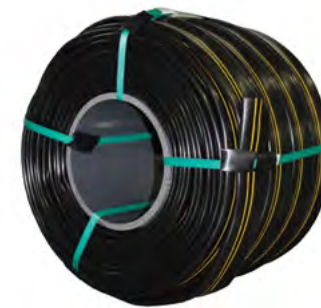
Overages - Up to 10% of Order - Will Be Shipped & Invoiced

## Oval Hose

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

## Aqua-Flat Hose

Model #	Part #	Nominal Size (in)	Inner Diameter (in)	Wall Thickness(in)	Working Pressure PSI@70F	Coil Length (ft)	Coil Weight (lbs)
<b>Aqua-Flat</b>							
PFAF1.5-300	11220111	1.5	1.57	0.059	90	300	48
PFAF2-300	11220112	2	2.08	0.063	80	300	63
PFAF3-300	11220113	3	3.07	0.067	70	300	108
PFAF4-300	11220114	4	4.075	0.079	70	300	141
PFAF6-300	11220116	6	6.141	0.083	50	300	249
PFAF8-300	11220118	8	8.09	0.09	45	300	435



3" Oval Hose

SUPPLY TUBING



# SUPPLY TUBING Part# Index

Part #	Model #	Page	Price
11190078	250x160-1000PE	B-03	\$176.73
11190149	187x125-100PE	B-03	\$15.86
11190166	276x158-1000V	B-02	\$305.26
11190511	350x250-100PE	B-03	\$29.99
11190529	455x375-100PE	B-03	\$42.27
11190531	455x375-500PE	B-03	\$131.01
11190531	455x375-500PE	B-07	\$131.01
11190534	455x375-1000PE	B-03	\$255.83
11190534	455x375-1000PE	B-07	\$255.83
11190589	187x125-1000PE	B-03	\$143.36
11190590	187x125-3000PE	B-03	\$346.04
11190592	187x125-3000V	B-02	\$458.51
11190593	188x128-3000PE	B-03	\$317.62
11190596	220x160-2500PE	B-03	\$304.02
11190597	220x160-1000V	B-02	\$180.44
11190598	220x160-2500V	B-02	\$380.65
11190601	250x170-2000PE	B-03	\$307.73
11190602	250x170-1000V	B-02	\$217.51
11190605	307x250-1000PE	B-03	\$168.08
11190609	225x155-2500PE	B-03	\$332.45
11190614	272x188-1500PE	B-03	\$255.83
11190616	275x210-1500PE	B-03	\$221.22
11190621	350x250-500PE	B-03	\$154.49
11190622	350x250-1000PE	B-03	\$290.43
11190624	375x250-750PE	B-03	\$247.17
11190648	128x076-2500PE	B-03	\$269.42
11190661	125x063-3500PE	B-03	\$312.68
11190788	187x125-100N	B-04	\$19.70
11190789	187x125-1000N	B-04	\$169.32
11190790	187x125-3000N	B-04	\$483.22
11190791	220x150-100N	B-04	\$30.27
11190792	220x150-1000N	B-04	\$271.89
11190793	220x150-2500N	B-04	\$664.89
11190805	128x036-2500PE	B-03	\$250.88
11190809	128x050-2500PE	B-03	\$218.75
11190813	128x060-2500PE	B-03	\$218.75
11200001	700X600-1000PE	B-07	\$305.26
11200014	1550X1390-300PE	B-07	\$317.62
11200018	710X620-1000PE	B-07	\$262.01
11200025	1200X1060-660PE	B-07	\$514.12
11200029	1174x1050-660PE	B-07	\$448.62
11200030	1174X1050-100PE	B-07	\$89.52
11200040	940X820-1000PE	B-07	\$515.35

Part #	Model #	Page	Price
11200045	927X817-100PE	B-07	\$62.75
11200048	927X817-500PE	B-07	\$205.32
11200049	927X817-1000PE	B-07	\$432.55
11200067	620X520-1000PE	B-07	\$253.35
11200108	1190X1060-660PE	B-07	\$457.27
11200119	940X830-1000PE	B-07	\$389.20
11200138	940X830-500PE	B-07	\$207.63
11200195	820X720-1000PE	B-07	\$364.58
11200444	B620-42-1200	B-06	\$517.83
11200445	B720-45-1200	B-06	\$517.83
11200450	B820-47-1200	B-06	\$517.83
11200452	B1060-57-660	B-06	\$517.83
11200601	W600X700-50	B-08	\$160.67
11200602	W600X700-100	B-08	\$301.55
11200603	W520X620-50	B-08	\$149.54
11200604	W520X620-100	B-08	\$278.07
11202001	W620X710-50	B-08	\$205.16
11202002	W620X710-100	B-08	\$217.51
11202003	W830X940-50	B-08	\$243.47
11202005	W106X120-50	B-08	\$379.41
11210007	1/2-IPS-200	B-05	\$260.77
11210008	1/2-IPS-100	B-05	\$120.55
11210010	1/2-IPS-CL12	B-05	\$1.64
11210017	1/2-IPS-CL24	B-05	\$2.95
11210020	1/2-IPS-CL30	B-05	\$3.77
11210021	1/2-IPS-CL36	B-05	\$4.29
11210023	1/2-IPS-CL42	B-05	\$5.12
11210025	1/2-IPS-CL48	B-05	\$5.42
11210028	1/2-IPS-CL60	B-05	\$7.72
11210029	1/2-IPS-CL72	B-05	\$8.82
11210034	1/2-IH	B-05	\$467.16
11210042	1-IPS-100	B-05	\$318.85
11210046	1-IPS-CL24	B-05	\$6.59
11210047	1-IPS-CL30	B-05	\$8.37
11210048	1-IPS-CL36	B-05	\$10.56
11210050	1-IPS-CL48	B-05	\$17.36
11210054	3/4-IH	B-05	\$337.39
11210060	3/4-IPS-200	B-05	\$317.62
11210061	3/4-IPS-100	B-05	\$163.14
11210068	3/4-IPS-CL18	B-05	\$3.02
11210071	3/4-IPS-CL24	B-05	\$3.38
11210074	3/4-IPS-CL30	B-05	\$4.21
11210077	3/4-IPS-CL36	B-05	\$5.12

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Part #	Model #	Page	Price
11210079	3/4-IPS-CL42	B-05	\$5.83
11210081	3/4-IPS-CL48	B-05	\$6.83
11210082	3/4-IPS-CL5	B-05	\$1.59
11210085	3/4-IPS-CL60	B-05	\$8.82
11210087	3/4-IPS-CL72	B-05	\$11.09
11210093	5/8-IH	B-05	\$383.12
11220081	JOH052051F450	B-09	\$545.01
11220082	JOH077076F200	B-09	\$549.96
11220083	JOH101100F130	B-09	\$620.40
11220084	JOH151109F100	B-09	\$882.40
11220086	JOH040040F300	B-09	\$250.88
11220111	PFAF1.5-300	B-09	\$449.60
11220112	PFAF2-300	B-09	\$490.60
11220113	PFAF3-300	B-09	\$944.00
11220114	PFAF4-300	B-09	\$1182.60
11220116	PFAF6-300	B-09	\$2302.60
11220118	PFAF8-300	B-09	\$4900.00
71190042	220x160-100V	B-02	\$21.11
71190055	220x160-50V	B-02	\$14.54
71190151	187x125-500V	B-02	\$85.87
71190168	187x125-50V	B-02	\$20.50
71190172	187x125-100V	B-02	\$22.21
71190255	220x160-100PE	B-03	\$15.23
71190320	250x170-500PE	B-03	\$88.00
71190338	250x170-50P	B-03	\$9.56
71190351	250x170-100V	B-02	\$23.26
71190355	250x170-50V	B-02	\$16.06
71190591	187x125-1000V	B-02	\$166.84
71190595	220x160-1000PE	B-03	\$168.08
71190600	250x170-1000PE	B-03	\$143.36
71190636	250x170-500V	B-02	\$126.06
71190685	220x160-500V	B-02	\$96.49
71190801	220x160-500PE	B-03	\$109.96
71200002	700X600-100PE	B-07	\$48.03
71200007	700X600-500PE	B-07	\$153.25
71200012	710X620-100PE	B-07	\$45.15
71200017	710X620-500PE	B-07	\$148.31
71200041	940X820-100PE	B-07	\$68.09
71200043	940X820-250PE	B-07	\$158.19
71200044	940X820-500PE	B-07	\$253.35
71200061	620X520-100PE	B-07	\$40.95
71200064	620X520-500PE	B-07	\$173.02
71500155	PQB-100	B-04	\$20.79

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71500156	PQB-1000	B-04	\$138.42
71500158	PQBV-100	B-04	\$25.01
71500159	PQBV-1000	B-04	\$218.75
71500656	250x160-100V	B-02	\$21.27
71500657	250x160-1000V	B-02	\$190.33



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B-02	276x158-1000V	11190166	\$305.26
B-02	187x125-3000V	11190592	\$458.51
B-02	220x160-1000V	11190597	\$180.44
B-02	220x160-2500V	11190598	\$380.65
B-02	250x170-1000V	11190602	\$217.51
B-02	220x160-100V	71190042	\$21.11
B-02	220x160-50V	71190055	\$14.54
B-02	187x125-500V	71190151	\$85.87
B-02	187x125-50V	71190168	\$20.50
B-02	187x125-100V	71190172	\$22.21
B-02	250x170-100V	71190351	\$23.26
B-02	250x170-50V	71190355	\$16.06
B-02	187x125-1000V	71190591	\$166.84
B-02	250x170-500V	71190636	\$126.06
B-02	220x160-500V	71190685	\$96.49
B-02	250x160-100V	71500656	\$21.27
B-02	250x160-1000V	71500657	\$190.33
B-03	250x160-1000PE	11190078	\$176.73
B-03	187x125-100PE	11190149	\$15.86
B-03	350x250-100PE	11190511	\$29.99
B-03	455x375-100PE	11190529	\$42.27
B-03	455x375-500PE	11190531	\$131.01
B-03	455x375-1000PE	11190534	\$255.83
B-03	187x125-1000PE	11190589	\$143.36
B-03	187x125-3000PE	11190590	\$346.04
B-03	188x128-3000PE	11190593	\$317.62
B-03	220x160-2500PE	11190596	\$304.02
B-03	250x170-2000PE	11190601	\$307.73
B-03	307x250-1000PE	11190605	\$168.08
B-03	225x155-2500PE	11190609	\$332.45
B-03	272x188-1500PE	11190614	\$255.83
B-03	275x210-1500PE	11190616	\$221.22
B-03	350x250-500PE	11190621	\$154.49
B-03	350x250-1000PE	11190622	\$290.43
B-03	375x250-750PE	11190624	\$247.17
B-03	128x076-2500PE	11190648	\$269.42
B-03	125x063-3500PE	11190661	\$312.68
B-03	128x036-2500PE	11190805	\$250.88
B-03	128x050-2500PE	11190809	\$218.75
B-03	128x060-2500PE	11190813	\$218.75
B-03	220x160-100PE	71190255	\$15.23
B-03	250x170-500PE	71190320	\$88.00
B-03	250x170-50P	71190338	\$9.56

Page	Model #	Part #	Price
B-03	220x160-1000PE	71190595	\$168.08
B-03	250x170-1000PE	71190600	\$143.36
B-03	220x160-500PE	71190801	\$109.96
B-04	187x125-100N	11190788	\$19.70
B-04	187x125-1000N	11190789	\$169.32
B-04	187x125-3000N	11190790	\$483.22
B-04	220x150-100N	11190791	\$30.27
B-04	220x150-1000N	11190792	\$271.89
B-04	220x150-2500N	11190793	\$664.89
B-04	PQB-100	71500155	\$20.79
B-04	PQB-1000	71500156	\$138.42
B-04	PQBV-100	71500158	\$25.01
B-04	PQBV-1000	71500159	\$218.75
B-05	1/2-IPS-200	11210007	\$260.77
B-05	1/2-IPS-100	11210008	\$120.55
B-05	1/2-IPS-CL12	11210010	\$1.64
B-05	1/2-IPS-CL24	11210017	\$2.95
B-05	1/2-IPS-CL30	11210020	\$3.77
B-05	1/2-IPS-CL36	11210021	\$4.29
B-05	1/2-IPS-CL42	11210023	\$5.12
B-05	1/2-IPS-CL48	11210025	\$5.42
B-05	1/2-IPS-CL60	11210028	\$7.72
B-05	1/2-IPS-CL72	11210029	\$8.82
B-05	1/2-IH	11210034	\$467.16
B-05	1-IPS-100	11210042	\$318.85
B-05	1-IPS-CL24	11210046	\$6.59
B-05	1-IPS-CL30	11210047	\$8.37
B-05	1-IPS-CL36	11210048	\$10.56
B-05	1-IPS-CL48	11210050	\$17.36
B-05	3/4-IH	11210054	\$337.39
B-05	3/4-IPS-200	11210060	\$317.62
B-05	3/4-IPS-100	11210061	\$163.14
B-05	3/4-IPS-CL18	11210068	\$3.02
B-05	3/4-IPS-CL24	11210071	\$3.38
B-05	3/4-IPS-CL30	11210074	\$4.21
B-05	3/4-IPS-CL36	11210077	\$5.12
B-05	3/4-IPS-CL42	11210079	\$5.83
B-05	3/4-IPS-CL48	11210081	\$6.83
B-05	3/4-IPS-CL5	11210082	\$1.59
B-05	3/4-IPS-CL60	11210085	\$8.82
B-05	3/4-IPS-CL72	11210087	\$11.09
B-05	5/8-IH	11210093	\$383.12
B-06	B620-42-1200	11200444	\$517.83

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B-06	B720-45-1200	11200445	\$517.83
B-06	B820-47-1200	11200450	\$517.83
B-06	B1060-57-660	11200452	\$517.83
B-07	455X375-500PE	11190531	\$131.01
B-07	455X375-1000PE	11190534	\$255.83
B-07	700X600-1000PE	11200001	\$305.26
B-07	1550X1390-300PE	11200014	\$317.62
B-07	710X620-1000PE	11200018	\$262.01
B-07	1200X1060-660PE	11200025	\$514.12
B-07	1174x1050-660PE	11200029	\$448.62
B-07	1174X1050-100PE	11200030	\$89.52
B-07	940X820-1000PE	11200040	\$515.35
B-07	927X817-100PE	11200045	\$62.75
B-07	927X817-500PE	11200048	\$205.32
B-07	927X817-1000PE	11200049	\$432.55
B-07	620X520-1000PE	11200067	\$253.35
B-07	1190X1060-660PE	11200108	\$457.27
B-07	940X830-1000PE	11200119	\$389.20
B-07	940X830-500PE	11200138	\$207.63
B-07	820X720-1000PE	11200195	\$364.58
B-07	700X600-100PE	71200002	\$48.03
B-07	700X600-500PE	71200007	\$153.25
B-07	710X620-100PE	71200012	\$45.15
B-07	710X620-500PE	71200017	\$148.31
B-07	940X820-100PE	71200041	\$68.09
B-07	940X820-250PE	71200043	\$158.19
B-07	940X820-500PE	71200044	\$253.35
B-07	620X520-100PE	71200061	\$40.95
B-07	620X520-500PE	71200064	\$173.02
B-08	W600X700-50	11200601	\$160.67
B-08	W600X700-100	11200602	\$301.55
B-08	W520X620-50	11200603	\$149.54
B-08	W520X620-100	11200604	\$278.07
B-08	W620X710-50	11202001	\$205.16
B-08	W620X710-100	11202002	\$217.51
B-08	W830X940-50	11202003	\$243.47
B-08	W106X120-50	11202005	\$379.41
B-09	JOH052051F450	11220081	\$545.01
B-09	JOH077076F200	11220082	\$549.96
B-09	JOH101100F130	11220083	\$620.40
B-09	JOH151109F100	11220084	\$882.40
B-09	JOH040040F300	11220086	\$250.88
B-09	PFAF1.5-300	11220111	\$449.60

Page	Model #	Part #	Price
B-09	PFAF2-300	11220112	\$490.60
B-09	PFAF3-300	11220113	\$944.00
B-09	PFAF4-300	11220114	\$1182.60
B-09	PFAF6-300	11220116	\$2302.60
B-09	PFAF8-300	11220118	\$4900.00





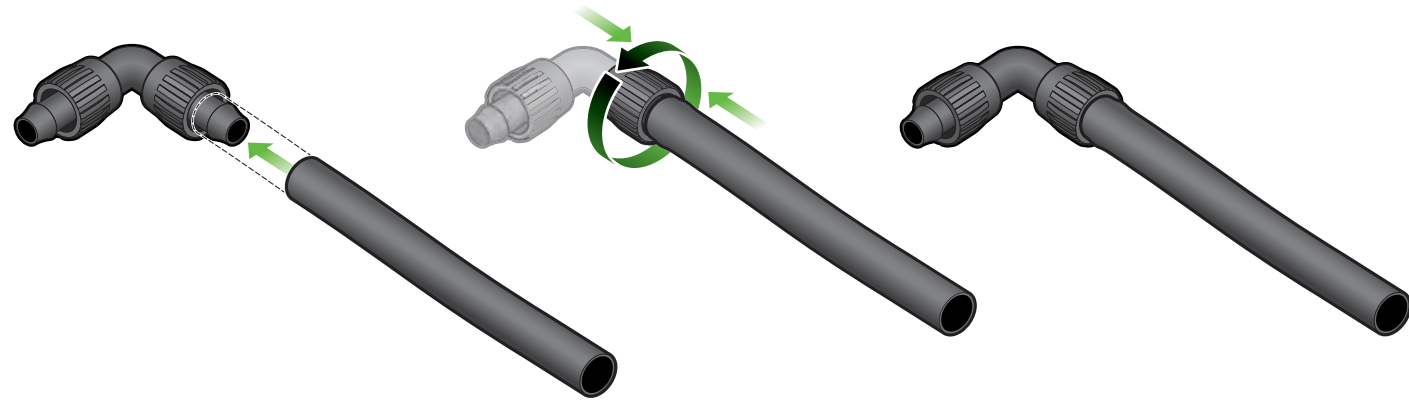
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# Power-Loc Fittings

## 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.	Box Code	Stock Code
<b>Power-Loc Coupling</b>							
PL-50-PC	12050005		25	650	26.8	A	
PL-55-PC	72050305		25	500	26.8	A	
PL-60-PC	12050105		25	500	26.8	A	
PL-70-PC	12050205		25	400	28.1	A	
PL-80-PC	12050607		25	300	16.0	A	
PL-100-PC	12050611		25	175	24.0	A	
<b>Power-Loc Tee</b>							
PL-50-P3T	12050001		25	325	17.3	A	
PL-55-P3T	72050301		25	250	17.3	A	
PL-60-P3T	12050101		25	250	18.0	A	
PL-70-P3T	12050201		25	225	18.0	A	
PL-80-P3T	12050616		25	150	30.0	A	
PL-100-P3T	12050619		10	90	30.0	A	
<b>Power-Loc x 3/4" FH Swivel Tee with Washer</b>							
PL-50-PST-WW	12050002		25	350	14.8	A	
PL-55-PST-WW	72050302		25	250	14.8	A	
PL-60-PST-WW	12050102		25	250	10.0	A	
PL-70-PST-WW	12050202		25	225	10.0	A	
PL-80-PST-WW	12050600		25	175	11.0	A	



PL-50-PC



PL-50-P3T



PL-50-PST-WW

# Power-Loc Fittings

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Box Code	Stock Code
<b>Power-Loc x 3/4" FH Swivel Tee with Screen</b>							
PL-50-PST-WS	12050003		25	350	14.8	A	
PL-55-PST-WS	72050315		25	250	14.8	A	
PL-60-PST-WS	12050103		25	250	10.0	A	
PL-70-PST-WS	12050203		25	225	10.0	A	
PL-80-PST-WS	12050601		25	175	11.0	A	
PL-100-PST-WS	12050612		25	100	8.0	A	
<b>Power-Loc x Barbed Adapter Tee</b>							
PL-50-400BT	12050043	400 Barb	25	200	14.8	A	MTO
PL-50-700BT	12050045	700 barb	25	200	14.8	A	MTO
PL-60-400BT	12050143	400 Barb	25	200	10.0	A	MTO
PL-60-700BT	12050145	700 Barb	25	200	10.0	A	MTO
PL-70-400BT	12050243	400 Barb	25	200	10.0	A	MTO
PL-70-700BT	12050245	700 Barb	25	200	10.0	A	MTO
<b>Power-Loc x 3/4" MHT Adapter Tee</b>							
PL-50-P3TM	12050032		25	450	17.3	A	MTO
PL-55-P3TM	72050310		25	400	18.0	A	MTO
PL-60-P3TM	12050508		25	300	18.0	A	MTO
PL-70-P3TM	12050530		25	200	18.0	A	MTO
PL-80-P3TM	12050609		25	175	30.0	A	MTO
PL-100-P3TM	12050701		25	100	30.0	A	MTO
<b>Power-Loc Tee with 1/2" Socket/ 3/4" Spigot</b>							
PL-50-SSPT	12050046		25	200	14.8	A	MTO
PL-55-SSPT	72050320		25	200	14.8	A	MTO
PL-60-SSPT	12050146		25	200	14.8	A	MTO
PL-70-SSPT	12050246		25	200	10.0	A	MTO
PL-80-SSPT	12050626		25	175	30.0	A	MTO
PL-100-SSPT	12050702		25	100	30.0	A	MTO
<b>Power-Loc Tee with 3/4" Socket/ 1" Spigot</b>							
PL-50-SSP1T	12050047		25	350	14.8	A	MTO
PL-55-SSP1T	72050329		25	250	14.8	A	MTO
PL-60-SSP1T	12050147		25	250	14.8	A	MTO
PL-70-SSP1T	12050247		25	225	10.0	A	MTO
PL-80-SSP1T	12050627		25	175	30.0	A	MTO
PL-100-SSP1T	12050703		25	100	30.0	A	MTO
<b>Power-Loc Elbow</b>							
PL-50-PELL	12050004		25	550	27.2	A	
PL-55-PELL	72050304		25	400	28.2	A	
PL-60-PELL	12050104		25	400	28.2	A	
PL-70-PELL	12050204		25	350	29.2	A	
PL-80-PELL	12050617		25	250	22.0	A	
PL-100-PELL	12050618		25	150	22.0	A	



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)	Box Code	Stock Code
<b>Power-Loc Elbow x 3/4" FH Swivel with Washer</b>							
PL-50-PSELL-WW	12050026		25	300	27.2	A	MTO
PL-55-PSELL-WW	72050333		25	450	27.2	A	MTO
PL-60-PSELL-WW	12050120		25	450	28.2	A	
PL-70-PSELL-WW	12050232		25	400	29.2	A	
PL-80-PSELL-WW	12050629		25	300	27.7	A	MTO
PL-100-PSELL-WW	12050705		25	200	27.1	A	MTO
<b>Power-Loc x Male Pipe Adapter (1/2" MPT)</b>							
PL-50-P1/2-MA	12050009		25	850	29.2	A	
PL-55-P1/2-MA	72050308		25	500	30.2	A	
PL-60-P1/2-MA	12050109		25	700	30.2	A	
PL-70-P1/2-MA	12050209		25	500	31.15	A	
<b>Power-Loc x Male Pipe Adapter (3/4" MPT)</b>							
PL-50-P3/4-MA	12050010		25	700	29.6	A	
PL-55-P3/4-MA	72050317		25	500	30.6	A	
PL-60-P3/4-MA	12050110		25	600	30.6	A	
PL-70-P3/4-MA	12050210		25	500	31.6	A	
PL-80-P3/4-MA	12050604		25	500	25.0	A	
PL-100-P3/4-MA	12050704		25	350	24.0	A	
<b>Power-Loc x Male Pipe Adapter (1" MPT)</b>							
PL-100-P10-MA	12050707		25	300	19	A	MTO
<b>Power-Loc x Male Hose Adapter (3/4" MHT)</b>							
PL-50-PMT	12050011		25	700	29.6	A	
PL-55-PMT	72050311		25	500	30.6	A	
PL-60-PMT	12050111		25	600	30.6	A	
PL-70-PMT	12050211		25	500	31.6	A	
PL-80-PMT	12050603		25	500	20.0	A	
PL-100-PMT	12050711		25	350	24.0	A	
<b>Power-Loc x 50 Hose Reducing Coupling</b>							
PL-60x50-PRC	12050313		25	500	26.8	A	MTO
PL-70x50-PRC	12050013		25	500	28.1	A	MTO
<b>Power-Loc x Tape-Loc Adapters</b>							
PL-50X06-LS	12010020		50	500	26.8	A	MTO
PL-60X06-LS	12010025		50	500	26.8	A	MTO
PL-50X09-LS	12010032		50	400	28.1	A	MTO
PL-60X09-LS	12010035		50	400	28.1	A	MTO
PL-80X09-LS	12010085		50	250	24.0	A	MTO



PL-50-PSELL-WW



PL-50-P1/2-MA



PL-50-P3/4-MA



PL-50-PMT



PL-60x50-PRC



PL-50X06-LS

# Power-Loc Fittings

FITTINGS

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Box Code	Stock Code
<b>Power-Loc x Barb Adapter</b>							
PL-50-400B	12050042	400 barb	50	400	26.8	A	MTO
PL-50-700B	12050044	700 barb	50	400	26.8	A	MTO
PL-60-400B	12050142	400 barb	50	400	26.8	A	
PL-60-700B	12050144	700 barb	50	400	26.8	A	MTO
PL-70-400B	12050242	400 barb	50	400	28.1	A	MTO
PL-70-700B	12050244	700 barb	50	400	28.1	A	MTO
PL-80-700B	12050644	700 barb	50	300	16.0	A	
PL-100-700B	12050744	700 barb	25	300	36.5	A	
PL-100-1000B	12050746	1000 barb	25	150		A	MTO
<b>Power-Loc with 3/4" FHT Threaded Cap</b>							
PL-50-PETC	12050006		25	600	22.8	A	
PL-55-PETC	72050306		25	500	22.8	A	
PL-60-PETC	12050106		25	500	22.8	A	
PL-70-PETC	12050206		25	500	23.4	A	
PL-80-PETC	12050620		25	400	23.4	A	
PL-100-PETC	12050720		25	250	24.0	A	MTO
<b>Power-Loc with 3/4" Female Hose Swivel with Washer</b>							
PL-50-PHS-WW	12050007		25	600	27.6	A	
PL-55-PHS-WW	72050307		25	500	28.6	A	
PL-60-PHS-WW	12050107		25	550	28.6	A	
PL-70-PHS-WW	12050207		25	500	29.6	A	
PL-80-PHS-WW	12050605		25	425	17.0	A	
PL-100-PHS-WW	12050614		25	300	19.0	A	
<b>Power-Loc with 3/4" Female Hose Swivel with Screen</b>							
PL-50-PHS-WS	12050008		25	600	27.6	A	
PL-55-PHS-WS	72050316		25	500	28.6	A	
PL-60-PHS-WS	12050108		25	550	28.6	A	
PL-70-PHS-WS	12050208		25	500	29.6	A	
PL-80-PHS-WS	12050606		25	425	17.0	A	
PL-100-PHS-WS	12050615		25	300	19.0	A	
<b>Power-Loc Pipe Thread Swivel with Washer</b>							
PL-55-PPS-WW	72050325		25	500	28.6	A	
PL-60-PPS-WW	12050326		25	500	29.6	A	MTO



PL-50-400B



PL-55-PETC



PL-55-PHS-WW



PL-50-PHS-WS



PL-55-PPS-WW

## Power-Loc Fittings

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt. (lbs)	Box Code	Stock Code
<b>Power-Loc with 1/2" Socket, 3/4" Spigot</b>							
PL-50-SSP	12050019		25	800	28.0	A	
PL-55-SSP	72050324		25	500	28.5	A	
PL-60-SSP	12050121		25	750	28.5	A	
PL-70-SSP	12050219		25	600	29.0	A	
PL-80-SSP	12050608		25	500	27.0	A	
PL-100-SSP	12050708		25	350	28.0	A	
<b>Power-Loc with 3/4" Socket, 1" Spigot</b>							
PL-50-SSP1	12050018		25	600	28.0	A	
PL-55-SSP1	72050321		25	500	28.5	A	
PL-60-SSP1	12050124		25	550	28.5	A	
PL-70-SSP1	12050220		25	500	29.0	A	
PL-80-SSP1	12050602		25	450	29.5	A	
PL-100-SSP1	12050613		25	300	30.0	A	
<b>Power-Loc with 1" Socket, 1-1/4" Spigot</b>							
PL-100-SSP2	12050710		25	250	30.0	A	MTO
<b>Power-Loc x Layflat Connector</b>							
PL-50-KMA	12051037		50	550	34.4	A	
PL-55-KMA	12051038		50	450	35.9	A	
PL-60-KMA	12051065		50	450	36.8	A	
PL-70-KMA	12051125		50	350	30.1	A	
<b>Power-Loc End Flush Valve</b>							
PL-50-PEF	12050012		25	500	28.6	A	MTO
PL-50-PEFB	12050015	Black handle	25	500	28.6	A	MTO
PL-55-PEF	72050312		25	500	28.6	A	MTO
PL-60-PEF	12050113		25	500	28.6	A	
PL-60-PEFB	12050115	Black handle	25	500	28.6	A	
PL-70-PEF	12050213		25	400	29.6	A	
PL-70-PEFB	12050215	Black handle	25	400	29.6	A	MTO

Note: Use LFP-LS-1 (Blue Punch 12070055) Use AP-H-2 (12070013) to install 50, 55 and 60 series. Use AP-H-1 (12070012) to install 70 series.



PL-50-SSP



PL-50-SSP1



PL-55-SSP1



PL-50-KMA



PL-50-PEF

## Power-Loc Fittings

Model #	Part #	Description	Ba Qty.	Box Qty.	Box Wt.	Box Code	Stock Code
<b>Power-Loc Coupling with Ball Valve</b>							
PL-50-BV-PC	12050127		25	300	28.6	A	MTO
PL-55-BV-PC	72050314		25	350	21.0	A	
PL-60-BV-PC	12050126		25	500	28.6	A	
PL-70-BV-PC	12050223		25	300	29.6	A	
<b>Power-Loc with Ball Valve x Barb</b>							
250B-BV-PL-50	12050040	250 barb	25	500	28.6	A	MTO
250B-BV-PL-60	12050140	250 barb	25	500	28.6	A	MTO
250B-BV-PL-70	12050240	250 barb	25	500	29.6	A	MTO

Note: Available with 400 and 700 barbs.



PL-55-BV-PC



250B-BV-PL-50



# Power-Loc Fittings

FITTINGS

Model #	Part #	Description	Bag Qty.	Box Qty.	Bo Wt.	Box Code	Stock Code
<b>Power-Loc Tee x Automatic Flush Valve - Low Pressure</b>							
PL-50-P3TM-FCH-L	12050051		25	300	17.3	A	MTO
PL-55-P3TM-FCH-L	72050331		25	300	17.3	A	MTO
PL-60-P3TM-FCH-L	12050151		25	300	17.3	A	MTO
PL-70-P3TM-FCH-L	12050251		25	300	18.0	A	MTO
PL-80-P3TM-FCH-L	12050651		50	300		A	MTO
PL-100-P3TM-FCH-L	12050751		10	80		A	MTO



PL-50-P3TM-FCH-L

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

<b>Power-Loc Tee x Automatic Flush Valve - High Pressure</b>							
PL-50-P3TM-FCH-H	12050061		25	300	17.3	A	MTO
PL-55-P3TM-FCH-H	72050332		25	300	17.3	A	MTO
PL-60-P3TM-FCH-H	12050161		50	300	17.3	A	MTO
PL-70-P3TM-FCH-H	12050261		25	300	18.0	A	MTO
PL-80-P3TM-FCH-H	12050661		50	300		A	MTO
PL-100-P3TM-FCH-H	12050761		10	80		A	MTO



PL-50-P3TM-FCH-H

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

<b>Power-Loc x MHT Adapter &amp; Flush Valve - Low Pressure</b>							
PL-50-MTFCH-L	12050050			500	26.8	A	MTO
PL-55-MTFCH-L	72050328			500	26.8	A	MTO
PL-60-MTFCH-L	12050150			500	26.8	A	MTO
PL-70-MTFCH-L	12050250			400	28.1	A	MTO
PL-80-MTFCH-L	12050628			400	16.0	A	MTO
PL-100-MTFCH-L	12050650			250		A	MTO



PL-50-MTFCH-L

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

<b>Power-Loc x MHT Adapter &amp; Flush Valve - High Pressure</b>							
PL-50-MTFCH-H	12050060		50	500	26.8	A	MTO
PL-55-MTFCH-H	72050330		25	500		A	MTO
PL-60-MTFCH-H	12050160		50	500	26.8	A	MTO
PL-70-MTFCH-H	12050260		50	500	28.1	A	MTO
PL-80-MTFCH-H	12050630		50	400	16.0	A	MTO
PL-100-MTFCH-H	12050660		50	200		A	MTO



PL-50-MTFCH-H

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

### 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

# Power-Loc Riser Assembly Ordering Guide

FITTINGS

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	3/4MHAMSTWW	12010570
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	
<b>Valve</b>					
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			

<b>Adapters</b>					
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		

<b>Saddles</b>					
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		

<b>PIA &amp; Grommets (Non-Glue substitute for Saddles)</b>					
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

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Box Code	Stock Code
<b>Ball Valve with System Shut-Off and Screen Clean</b>							
SAS-1JU	12060043	3/4" MPT x 3/4" FHT	25	200	35.0	A	
SAS-3	12060044	3/4" FHS x 3/4" FHS	25	175	27.0	A	
<b>Ball Valves</b>							
3/4-GB	12062047	Ball Valve - Black Body/Black Handle, 3/4"FHT x 3/4"MHT	25	500			
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	A	
3/4-B	12060012	Ball Valve - 3/4"FHS x 3/4"MHT	25	200	27	F	
3/4-BU	12060015	Ball Valve - 3/4" Soc x 1" Spigot	25	275	35	A	
3/4-BU-AG	12060026	Ball Valve - 3/4" FHS inlet x 3/4" MHT outlet	25	100	22	A	
<b>Quick Action Valves (Quarter Turn Valves)</b>							
440VLBB	72500289	1/2" insert barb x 1/2" insert barb (uses 0.570-0.620 ID tubing)	25	200	44.6	C	
446VLBB	72501099	1/2" insert barb x 1/2" insert barb (uses 0.520 ID tubing)	25	200	44.6	C	MTO
770VLBB	72501100	3/4" insert barb x 3/4" insert barb (uses 0.820 ID tubing)	10	250	56.4	A	
880VLBB	72501101	1" insert barb x 1" insert barb (uses 1.06 ID tubing)	5	100	24.8	C	

Note: Clamps recommended on all Barbed Fittings.

### Ball Valve with System Shut-Off and Screen Clean



### Ball Valves



### Quick Action Valves



# 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.	Box Code	Stock Code
<b>Tape-Loc Couplings</b>							
CPT-06-LS	12030022		50	750	20.1	A	
CPT-06-LSO	12030062	Orange Ring	50	750	26.0	A	
CPT-09-LS	12030024		50	300	30.0	A	
CPT-09-LSO	12030032	Orange Ring	50	300	26.0	A	
CPT-10-LS	12030171		25	225	35.0	A	
CPT-11-LS	12030135		25	175	31.3	A	
CPT-14-LS	12030025		25	100	31.3	A	
<b>Tape-Loc Tee</b>							
TEE-06-LS	12030092		50	350	22.6	A	
<b>Tape-Loc x 1/2" Socket 3/4" Spigot Tee</b>							
TEE-06-LSL1/2	12030097		50	350	23.0	A	
<b>Tape-Loc x 600 Compression Tee</b>							
TEE-06-LSL600	12030100		50	350	23.0	A	MTO
<b>Tape-Loc x 3/4" FH Swivel Tee</b>							
LST-06-LS-WS	12030072	with screen	50	300	23.0	A	
LST-06-LS-WW	12030073	with washer	50	300	23.0	A	

### 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

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Box Code	Stock Code
<b>Tape-Loc Ell</b>							
ELL-06-LS	12030049		50	550	24.4	A	
ELL-09-LS	12030146		50	300	24.4	A	MTO
<b>Tape-Loc x Socket / Spigot</b>							
SSP-06-LS	12030085	1/2" Socket / 3/4" Spigot	50	800	22.0	A	
SSP-09-LS	12030087	1/2" Socket / 3/4" Spigot	50	400	30.6	A	
SSP-10-LS	12030111	1/2" Socket / 3/4" Spigot	25	325	30.8	A	MTO
SSP-09-LS1	12030088	3/4" Socket / 1" Spigot	50	400	21.4	A	
SSP-10-LS1	12030188	3/4" Socket / 1" Spigot	25	300	31.2	A	
SSP-11-LS1	12030136	3/4" Socket / 1" Spigot	25	250	21.4	A	MTO
SSP-09-LS2	12030089	1" Socket / 1 1/4" Spigot	50	300	22.0	A	MTO
SSP-10-LS2	12030194	1" Socket / 1-1/4" Spigot	25	250	31.8	A	MTO
SSP-11-LS2	12030214	1" Socket / 1-1/4" Spigot	25	250	34.9	A	MTO
SSP-14-LS2	12030090	1" Socket / 1 1/4" Spigot	25	100	19.0	A	
<b>Tape-Loc x Compression</b>							
CSP-06-LS350	12030029	5/8" Tape x 350 Compression	50	750	23.0	A	
CSP-06-LS400	12030030	5/8" Tape x 400 Compression	50	750	23.0	A	
CSP-06-LS600	12030033	5/8" Tape x 600 Compression	50	750	23.0	A	
CSP-06-LS700	12030035	5/8" Tape x 700 Compression	50	750	23.0	A	MTO
CSP-06-LS710	12030036	5/8" Tape x 710 Compression	50	750	23.0	A	
CSP-09-LS600	12030041	7/8" Tape x 600 Compression	50	400	31.2	A	
CSP-09-LS710	12030043	7/8" Tape x 710 Compression	50	400	32.0	A	MTO
CSP-09-LS1-900	12030047	7/8" Tape x 900 Compression	25	300	20.0	A	MTO
CSP-11-LS1-900	12030147	1 1/8" Tape x 900 Compression	25	250	50.0	A	MTO
<b>Tape-Loc x Hose Thread Cap</b>							
END-06-LSC	12030053		50	700	24.6	A	
END-09-LSC	12030054		50	400	27.7	A	
END-10-LSC	12030189		25	300			MTO
END-11-LSC	12030138		25	250	27.7	A	MTO
<b>Tape-Loc x 3/4" Swivel Adapters</b>							
FHS-06-LS-WW	12030071	with washer	50	500	24.0	A	
FHS-09-LS-WW	12030151	with washer	25	500	24.0	A	MTO
FHS-10-LS-WW	12030192	with washer	25	300	29.1	A	MTO
FHS-11-LS-WW	12030212	with washer	25	250		A	MTO
FHS-06-LS-WS	12030070	5/8" x 3/4" FHT with screen	50	500	24.0	A	
<b>Tape-Loc Pipe Thread Swivel with Washer</b>							
FPS-06-LS-WW	12030134	with screen	50	500	24.0	A	MTO



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.	Box Code	Stock Code
<b>Tape-Loc x Lay Flat Plug</b>							
FHC-06-PLUG	12030064	Use for both FHC-06-LS & 09	50	500	27.0	A	
<b>Tape-Loc x Two Step Lay Flat Connector</b>							
FHC-1-06-LS	12030066		50	500	32.0	A	
Note: Use LFP-1 Punch (Orange). Use AP-H-2 Handle to install.							
<b>Tape-Loc x Lay Flat Connector</b>							
FHC-09-LS	12030065		50	350	26.1	A	
FHC-09-LSO	12030031	with Orange Ring	50	350	32.0	A	
Note: Use LFP-LS-1 Punch (Blue). Use AP-H-2 to install 06 fittings. Use AP-H-1 to install 09 fittings.							
<b>Tape-Loc x Lay Flat Connector (small foot)</b>							
FHC-06-LS	12030063		50	550	25.0	A	
FHC-06-LSO	12030067	with Orange Ring	50	550	24.0	A	

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 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

Tape-Loc x Lay Flat Connector (small foot)



FHC-06-LS



FHC-09-LSO



FHC-06-LSO

# Tape-Loc Fittings

FITTINGS

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



MHT-06-LS



MA-06-LS



BASF-09-LS



WYE-06-MHT



FCH-06-LS-L



END-BV-06-LS

# Tape-Loc Fittings

FITTINGS

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt. (lbs)	Box Code	Stock Code
<b>Tape-Loc x Ball Valve x Socket / Spigot</b>							
SSP-BV-06-LS	12030117	1/2" Socket x 3/4" Spigot	25	500	28.0	A	MTO
SSP-BV-09-LS	12030118	1/2" Socket x 3/4" Spigot	25	300	29.0	A	MTO
SSP1-BV-09-LS	12030119	3/4" Socket x 1" Spigot	25	300	30.0	A	MTO
<b>Tape-Loc Coupling Shut-off Valve</b>							
CPT-BV-06-LS	12030131		25	500	27.0	A	
CPT-BV-09-LS	12030048		25	300	28.0	A	
<b>Tape-Loc x Shut-off Valve</b>							
250B-BV-06-LS	12030160	250 barb	50	300	28.0	A	
400B-BV-06-LS	12030165	400 barb	50	300	28.0	A	
PT50-BV-06-LS	12030175	1/2" MPT	50	300	29.0	A	MTO
PT75-BV-06-LS	12030177	3/4" MPT	50	300	29.0	A	MTO
<b>Tape-Loc x 420 Series Barb with Locking Nut &amp; Large Handle Valve</b>							
420BV-06-LS	12030011	Install in PE Tubing	50	350	22.0	A	
<b>Tape-Loc x 0.520 I.D. Insert Coupler</b>							
520I-06-LS	12030112	Use 620x520 PE Tubing	50	1000	35.8	A	
<b>Tape-Loc x Barb</b>							
250B-06-LS	12030004		50	1200	31.8	A	
400B-06-LS	12030008		50	1000	33.6	A	
400B-06-LS0	12030002	with Orange Ring	50	1000	33.8	A	
700B-06-LS	12030014		50	1000	34.9	A	
700B-09-LS	12030015		50	500	34.8	A	
700B-10-LS	12030173		25	375		A	MTO
1000B-11-LS	12030206		25	250	27.8	A	MTO
Note: Use with GRO Pipe Grommets if installing in PVC Pipe.							
<b>Tape-Loc Starter Assembly — 400 Barb x 5/8"</b>							
T5B4000-12	11230040	Orange Nut with 12" Tube Assembly	25				MTO
T5B4000-18	11231203	Orange Nut with 18" Tube Assembly	25				MTO
T5B4000-24	12031206	Orange Nut with 24" Tube Assembly	25				MTO
T5B400-12	11230032	with 12" Tube Assembly	25				MTO
T5B400-18	11230028	with 18" Tube Assembly	25				MTO
T5B400-24	12031205	with 24" Tube Assembly	25				MTO
Note: A 400 barb X 5/8" tape valve may be substituted for the 400 barb X 5/8" tape fitting.							
<b>Tape-Loc Starter Assembly — 700 Barb x 7/8"</b>							
T7B7000-18	12031100	Orange Nut with 18" Tube Assembly	25				MTO
T7B7000-24	12031101	Orange Nut with 24" Tube Assembly	25				MTO
T7B7000-36	12031224	Orange Nut with 36" Tube Assembly	25				MTO
T7B700-18	12031191	with 18" Tube Assembly	25				MTO
T7B700-24	12031194	with 24" Tube Assembly	25				MTO
T7B700-36	12031192	with 36" Tube Assembly	25				MTO



SSP-BV-06-LS



CPT-BV-06-LS



250B-BV-06-LS



420BV-06-LS



520I-06-LS



250B-06-LS



400B-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

FITTINGS

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Box Code	Stock Code
<b>3-Way Compression Tees</b>							
600-C3T	12010210		25	350	14.0	A	
700-C3T	12010296		25	350	14.0	A	
710-C3T	12010348		25	350	14.0	A	
800-C3T	12010426		25	225	10.0	A	
900-C3T	12010499		25	225	10.0	A	
<b>Compression x 3/4" MHT Tee x Compression</b>							
600-C3TM	12010211		25	400	15.7	A	MTO
700-C3TM	12010297		25	400	15.7	A	MTO
710-C3TM	12010349		25	400	15.7	A	
800-C3TM	12010428		25	250	31.0	A	MTO
900-C3TM	12010501		25	250	31.0	A	MTO
<b>Compression x 3/4" Swivel Tee with Washer</b>							
600-CST-WW	12010244		25	300	20.0	A	
700-CST-WW	12010332		25	300	20.0	A	
710-CST-WW	12010384		25	300	20.0	A	
800-CST-WW	12010458		25	250	16.7	A	
900-CST-WW	12010533		25	250	16.7	A	
<b>Compression x 3/4" Swivel Tee with Screen</b>							
600-CST-WS	12010243		25	300	20.0	A	
700-CST-WS	12010331		25	300	20.0	A	
710-CST-WS	12010383		25	300	20.0	A	
800-CST-WS	12010456		25	250	16.7	A	
900-CST-WS	12010531		25	250	16.7	A	



600-C3T



600-C3TM



600-CST-WW



710-CST-WS

# Compression Fittings

FITTINGS

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Box Code	Stock Code
<b>Compression x 3/4" Swivel Tee with Schrader Valve &amp; Washer</b>							
600-CSTV-WW	12010242		50	300	23.0	A	MTO
700-CSTV-WW	12010330		50	300	23.0	A	MTO
710-CSTV-WW	12010382		50	300	23.0	A	MTO
800-CSTV-WW	12010455		25	200	21.0	A	MTO
900-CSTV-WW	12010530		25	200	21.0	A	MTO
<b>Compression x 3/4" Swivel Tee with Schrader Valve &amp; Screen</b>							
600-CSTV-WS	12010241		50	300	23.0	A	MTO
700-CSTV-WS	12010329		50	300	23.0	A	MTO
710-CSTV-WS	12010381		50	300	23.0	A	MTO
800-CSTV-WS	12010454		25	200	21.0	A	MTO
900-CSTV-WS	12010528		25	200	21.0	A	MTO
<b>Compression Elbow</b>							
600-CELL	12010220		25	500	19.6	A	
700-CELL	12010307		25	500	20.0	A	
710-CELL	12010359		25	500	20.0	A	
800-CELL	12010438		25	450	22.0	A	MTO
900-CELL	12010511		25	450	29.6	A	
<b>Compression x 3/4" Swivel Elbow with Washer</b>							
600-CELL-SN-WW	12010225		25	500	20.0	A	MTO
700-CELL-SN-WW	12010312		25	500	20.0	A	MTO
710-CELL-SN-WW	12010364		25	500	20.0	A	
<b>Compression x 3/4" Swivel Elbow with Screen</b>							
600-CELL-SN-WS	12010224		25	500	20.0	A	MTO
700-CELL-SN-WS	12010311		25	500	20.0	A	MTO
710-CELL-SN-WS	12010363		25	500	20.0	A	MTO



600-CSTV-WS



600-CELL



600-CELL-SN-WW



600-CELL-SN-WS



# Compression Fittings

FITTINGS

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

### 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-H

### Compression x MPT Adapter — 1/2" Thread



600-CMA

### Compression x MPT Adapter — 3/4" Thread



800-CMA

# Compression Fittings

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

\* Glued with PVC fitting.

<b>Compression x Swivel Adapter</b>							
600-CHS-WW	12010233	with washer	25	600	21.4	A	
700-CHS-WW	12010320	with washer	25	600	21.4	A	
710-CHS-WW	12010372	with washer	25	600	21.4	A	
800-CHS-WW	12010449	with washer	25	300	30.0	A	MTO
900-CHS-WW	12010522	with washer	25	500	30.0	A	
600-CHS-WS	12010232	with screen	25	600	21.4	A	
700-CHS-WS	12010319	with screen	25	600	21.4	A	
710-CHS-WS	12010371	with screen	25	600	21.4	A	
800-CHS-WS	12010448	with screen	25	300	30.0	A	MTO
900-CHS-WS	12010521	with screen	25	500	30.0	A	

<b>Compression x 3/4" MHT Adapter</b>							
400-CE	12010109		25	750	17.0	A	MTO
600-CE	12010215		25	750	17.0	A	
700-CE	12010303		25	750	20.0	A	
710-CE	12010354		25	750	25.0	A	
790-CE	12010409		25	350	27.5	A	MTO
800-CE	12010433		25	300	27.1	A	MTO
900-CE	12010506		25	600	27.5	A	

<b>Compression with Threaded Cap</b>							
600-CETC	12010226		25	600	21.0	A	
700-CETC	12010313		25	600	21.0	A	
710-CETC	12010365		25	600	21.0	A	
800-CETC	12010443		25	400	22.8	A	MTO
900-CETC	12010516		25	500	22.8	A	



710-CRMA



900 X 700-RCC



600-CHS-WW



400-CE



600-CETC



900-CETC

# Compression Fittings

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

\* - 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.

<b>Socket Adapters</b>							
P700SA	72500994	700 comp. x ID cements over 1/2" PVC pipe; OD into 3/4" PVC socket	25	400	2.8	C	
P710SA	72500997	710 comp. x ID cements over 1/2" PVC pipe; OD into 3/4" PVC socket	25	300	2.8	C	

Note: For rigid PVC pipe only.  
 Gluing **Recommendations:** All fitting adapters use IPS #794 Green (PVC/ABS) or equivalent.

<b>Compression with 3/4" FPT Swivel Adapters</b>							
P600CPS	72501086		20	600	21.4	A	MTO
P700CPS	72501089		20	600	21.4	A	MTO
P710CPS	72500948		20	600	21.4	A	MTO

**Compression / Socket Adapters**



250-CA



710-CA

**Socket Adapters**



P700SA

**Compression with 3/4" FPT Swivel Adapters**



P600CPS

# Compression Riser Assembly Ordering Guide

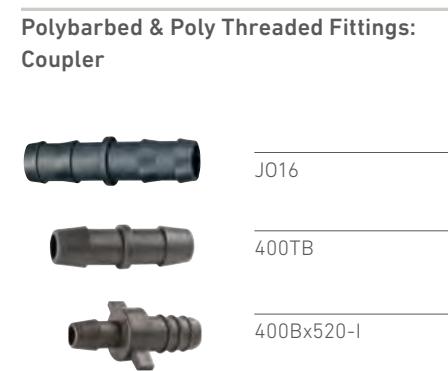
Swivel Adapter		Swivel Tee		Dual Line Tees	
600-CHS-WW	12010233	600-CST-WW	12010244	*MST-WW	12010564
700-CHS-WW	12010320	700-CST-WW	12010332	*MST-WS	12010563
710-CHS-WW	12010372	710-CST-WW	12010384	*MSTV-WW	12010562
800-CHS-WW	12010449	800-CST-WW	12010458	3/4MHAMSTWW	12010570
900-CHS-WW	12010522	900-CST-WW	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 Adppter, 24" IPS Tubing Lead and 3/4" x 2.5" Saddle

# Barb and Insert Fittings

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Box Code	Stock Code
Polybarbed & Poly Threaded Fittings: Coupler							
J016	12290078	0.520" ID 16mm OD tubing	100	2200	17.0	A	
J116	12290082	0.620" ID Single Barb for 18mm OD tubing	100	1500	14.0	A	
J020	12290085	0.710" ID for 20mm OD tubing	50	1000	14.0	A	
400-TB	12040046	0.375" ID single barb	250	5500	26.0	B	
700-TB	12040063	0.600" ID	250	2250	30.0	A	
400Bx520-I	12030009	0.400" ID x 0.520" ID	25	1000	30.0	A	
Polybarbed & Poly Threaded Fittings: Tee							
T012	12290077	0.375" ID for 12mm OD tubing	100	1000	7.0	F	MTO
T016	12290080	0.520" ID for 16mm OD tubing	100	1000	13.0	A	
T116	12290084	0.620" ID single barb for 18mm OD tubing	50	800	17.0	A	
T020	12290087	0.710" ID for 20mm OD tubing	50	500	12.0	A	MTO
Polybarbed & Poly Threaded Fittings: Elbow							
ELO12	12290076	0.375" ID for 12mm OD tubing	100	1000	8.0	F	MTO
ELO16	12290079	0.520" ID for 16mm OD tubing	100	1700	14.0	A	
ELI16	12290083	0.620" ID Single Barb for 18mm OD tubing	50	1000	16.0	A	MTO
ELO20	12290086	0.710" ID for 20mm OD tubing	50	750	15.0	A	MTO



# Barb and Insert Fittings

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Box Code	Stock Code
<b>17mm Insert Fittings</b>							
ALCOUP	72291013	0.540" ID Insert Coupling	25	300	37.5		
AL050MA	72291010	0.540" ID Barb with 1/2" MPT	25	300	42.0		
AL075MA	72291011	0.540" ID Barb with 3/4" MPT	25	300	42.0		
ALTEE	77291024	0.540" ID Insert Tee	25	300	37.5		
ALELB	72291022	0.540" ID Insert Elbow	25	300	39.7		
ALY3/4	72291025	17mm Y Connector x 3/4" MPT	25	300			
ALCROSS	72291027	17mm Barb Cross	25	300			
AL075FTEE	72291028	17mm Barb Tee x 3/4" FPT	25	300			
ALSTAR	72291026	17mm Barb x Star	25	300			
AL1FTEE	72291029	17mm Barb Tee x 1" FPT	25	300			
ALMPTEL	72291014	17mm Barb x 3/4" MPT Adapter Elbow	25	300			

<b>Micro-Tubing Fittings: Barb Connectors</b>							
C125	72290006	1/8" (fits 0.125 ID tubing)	100	3000	9.0	B	
C250	72501964	1/4" (fits 0.160 ID to 0.170 ID tubing)	100	3000	7.1	B	
170-TB	12290009	1/4" (fits 0.160 ID to 0.170 ID tubing) (Replaces 187BC and 31-B170)	500	5000	26.0	B	
250-TB	12290012	Fits 0.250 x 0.250 ID tubing	500	5000	26.0	B	
47-TB	17097032	4/7 For vinyl	100	2800	23.3	B	

<b>Micro-Tubing Fittings: Thread Connectors</b>							
PRA1032	72500492	10-32 thd. x 10-32 thd. Wing (fits 0.160 I.D. tubing)	100	3000	7.1	B	
PRAB170	72500493	10-32 thd x .177 Barb (fits 0.160 I.D. tubing)	100	3000	7.1	B	

<b>Micro-Tubing Fittings: Barb Tees</b>							
T125	72500541	1/8" (fits 0.125 ID tubing)	50	2500	2.7	B	
T250	72500542	1/4" (fits 0.160 ID to 0.170 ID tubing)	100	1500	3.6	B	

<b>Micro-Tubing Fittings: Barb Elbow</b>							
L250	72015079	1/4" (fits 0.160 ID to 0.170 ID tubing)	100	3000	7.1	B	

<b>17mm Insert Fittings</b> ALCOUP AL050MA AL075MA ALTEE ALELB	<b>Micro-Tubing Fittings: Barb Connectors</b> C125 C250 170-TB 250-TB 47-TB	<b>Micro-Tubing Fittings: Thread Connectors</b> PRA1032 PRAB170	<b>Micro-Tubing Fittings: Barb Tees</b> T125 T250	<b>Micro-Tubing Fittings: Barb Elbow</b> L250
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# Barb and Insert Fittings

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Box Code	Stock Code
<b>Jain Drip Lock Fittings</b> 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	A	
TEI16	12290092	0.620" ID Ring Elbow	50	750	20.0	A	MTO
TTI16	12290093	0.620" ID Ring Tee	50	400	16.0	A	MTO
TSAI16	12290095	0.620" ID Ring x 3/4" FHT Swivel Adaptor	50	500	23.0	A	MTO
<b>Barb Fittings</b>							
400-CPIA-400	12040035	400 Barb x 400 Compression	50	1500	30.0	A	MTO
400-CPIA-600	12040039	400 Barb x 600 Compression	50	1500	30.0	A	
400-CPIA-700	12040041	400 Barb x 700 Compression	50	1500	30.0	A	MTO
700-CPIA-600	12040056	700 Barb x 600 Compression	50	1300	30.0	A	
700-CPIA-710	12040058	700 Barb x 710 Compression	50	1300	30.0	A	MTO
400-PIA	12040044	400 Barb x 1/2" Socket / 3/4" Spigot	50	1600	35.0	A	
700-PIA	12040061	700 Barb x 1/2" Socket / 3/4" Spigot	50	1500	33.6	A	
700-PIA-1	12040092	700 Barb x 3/4" Socket / 1" Spigot	50	1000	36.4	A	
1000-PIA	12040006	1000 Barb x 1" Socket / 1 1/4" Spigot	25	450	40.5	A	
250-PIA-S	12040019	250 Barb x 1/2" Spigot	50	2400	22.0	A	
400-PIA-S	12040045	400 Barb x 1/2" Spigot	50	2100	24.0	A	
700-PIA-S	12040062	700 Barb x 1/2" Spigot	50	1700	34.0	A	

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.	Box Code	Stock Code
<b>1/2" MPT x 1/2" Socket / 3/4" Spigot (Black PVC)</b>							
1/2-MA	12040002		50	500	23.0	A	
<b>MHT x Socket Elbows &amp; Couplers (Black PVC)</b>							
1/2-CSS	12010004	1/2" Coupler	50	500	14.8	A	MTO
3/4-CSS	12010001	3/4" Coupler	50	500	18.1	A	MTO
1/2-90-MHA	12010005	3/4" MHT X 1/2" Socket Ell	50	500	28.1	A	
3/4-90-MHA	12010002	3/4" MHT X 3/4" Socket Ell	25	400	22.6	A	
<b>Swivel Connector</b>							
660SWCHP	12501078	3/4" FHT x 3/4" FPT Swivel Connector	25	150	5.5	C	
<b>Hose Thread Adapters</b>							
FAM-5075	72500803	1/2" MPT x 3/4" MPT Reducing Adapter	25	200	33.6	F	
FAM-H3P	72500806	3/4" MHT x 3/4" MPT	25	500	17.0	F	
FAM-H5P	72500379	3/4" MPT x 3/4" FHT Swivel	25	200	17.0	F	
<b>Hose Adapters</b>							
1/2-MHA	12040003	1/2" Socket / 3/4" Spigot x 3/4" MHT	50	700	32.0	A	
3/4-MHS	12040029	1/2" Socket / 3/4" Spigot x 3/4" MHT	50	1000	30.8	A	
3/4-MHA	12040028	3/4" Socket / 1" Spigot x 3/4" MHT	50	500	30.6	A	
1-MHA	12290011	1" Socket x 3/4" MHT	25	500	31.0	A	

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

Swivel Connector

660SWCHP

Hose Thread Adapters

FAM-5075



FAM-H3P



FAM-H5P

Hose Adapters



1/2-MHA



3/4-MHS



3/4-MHA



1-MHA

# Adapters

FITTINGS

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Box Code	Stock Code
<b>3/4" Female Hose Swivel Adapters</b>							
3/4-FHS-WW	12040026	1/2" Socket / 3/4" Spigot x 3/4" FHS with Washer	50	500	21.0	A	
3/4-FHS-WS	12040025	1/2" Socket / 3/4" Spigot x 3/4" FHS with Screen	50	500	21.0	A	MTO
3/4-FHS-1-WW	12040024	3/4" Socket / 1" Spigot x 3/4" FHS with Washer	50	500	23.0	A	MTO
3/4-FHS-1-WS	12040023	3/4" Socket / 1" Spigot x 3/4" FHS with Screen	50	500	23.0	A	MTO
<b>3/4" MHT x 3/4" MHT for Converting to SAS Systems</b>							
SAS-A	12040085		50	1000	33.4	A	
<b>3/4" MHT x 3/4" FH Swivel Tee</b>							
MST-WW	12010564	with Washer	25	375	16.8	A	
MST-WS	12010563	with Screen	25	375	16.8	A	
MSTV-WW	12010562	with Pressure Check Valve with Washer	25	300	22.0	A	MTO
<b>3/4" MHA-MST-WW</b>							
3/4-MHA-MST-WW	12010570	3/4" Socket x Male Hose Thread x Male Hose Thread Tee	50	250	24.68	A	MTO
<b>1/2" Compression Tapered Pipe Adapter</b>							
350-TPAG	12040032	*	50	1200	23.0	A	MTO
400-TPA	12040047	*	50	1200	23.0	A	MTO
600-TPA	12040051	*	50	1200	23.0	A	MTO

\* Glued - Use 29/64" Drill Bit.

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

3/4" MHA-MST-WW



3/4-MHA-MST-WW

1/2" Compression Tapered Pipe Adapter



400-TPA



## Ball Valves

Model #	Part #	Description	Bag Qty.	Box Qty.	Stock Code
<b>Threaded PVC Ball Valves (NPT)</b>					
BV-005T	12220100	1/2" Threaded PVC Ball Valve (NPT)	25	100	MTO
BV-007T	12220110	3/4" Threaded PVC Ball Valve (NPT)	25	100	
BV-010T	12220120	1" Threaded PVC Ball Valve (NPT)	25	100	MTO
BV-012T	12220130	1 1/4" Threaded PVC Ball Valve (NPT)	25	100	MTO
BV-015T	12220140	1 1/2" Threaded PVC Ball Valve (NPT)	24	48	MTO
BV-020T	12220150	2" Threaded PVC Ball Valve (NPT)	12	24	
BV-025T	12220155	2 1/2" Threaded PVC Ball Valve (NPT)	1	10	MTO
BV-030T	12220160	3" Threaded PVC Ball Valve (NPT)	1	10	
BV-040T	12220170	4" Threaded PVC Ball Valve (NPT)	1	6	MTO
<b>Slip PVC Ball Valves</b>					
BV-005S	12220001	1/2"	25	100	MTO
BV-007S	12220010	3/4"	25	100	MTO
BV-010S	12220020	1"	25	100	MTO
BV-012S	12220030	1 1/4"	25	100	MTO
BV-015S	12220040	1 1/2"	24	48	MTO
BV-020S	12220050	2"	12	24	
BV-025S	12220055	2 1/2"	1	10	MTO
BV-030S	12220060	3"	1	10	
BV-040S	12220070	4"	1	6	MTO
BV-060S	12220080	6" (Gray Color)	1	6	MTO

### Slip PVC Ball Valves



BV-030S

## Saddles

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

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

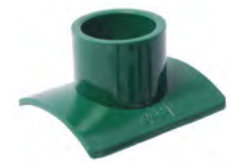
Heavy bodied cement IPS #719 or equivalent recommended. Always prime pipe and fitting. Saddles also available with compression adapters. Call for pricing and availability.



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



AS-3/4-2



AS-1-3

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Part #	Model #	Page	Price
11210017	1/2-IPS-CL24	C-09	\$2.95
11210017	1/2-IPS-CL24	C-16	\$2.95
11210017	1/2-IPS-CL24	C-22	\$2.95
11210020	1/2-IPS-CL30	C-09	\$3.77
11210020	1/2-IPS-CL30	C-16	\$3.77
11210020	1/2-IPS-CL30	C-22	\$3.77
11210021	1/2-IPS-CL36	C-09	\$4.29
11210021	1/2-IPS-CL36	C-16	\$4.29
11210021	1/2-IPS-CL36	C-22	\$4.29
11210023	1/2-IPS-CL42	C-09	\$5.12
11210023	1/2-IPS-CL42	C-16	\$5.12
11210023	1/2-IPS-CL42	C-22	\$5.12
11210025	1/2-IPS-CL48	C-09	\$5.42
11210025	1/2-IPS-CL48	C-16	\$5.42
11210025	1/2-IPS-CL48	C-22	\$5.42
11210028	1/2-IPS-CL60	C-09	\$7.72
11210028	1/2-IPS-CL60	C-16	\$7.72
11210028	1/2-IPS-CL60	C-22	\$7.72
11210029	1/2-IPS-CL72	C-09	\$8.82
11210029	1/2-IPS-CL72	C-16	\$8.82
11210029	1/2-IPS-CL72	C-22	\$8.82
11210046	1-IPS-CL24	C-09	\$6.59
11210046	1-IPS-CL24	C-16	\$6.59
11210046	1-IPS-CL24	C-22	\$6.59
11210047	1-IPS-CL30	C-09	\$8.37
11210047	1-IPS-CL30	C-16	\$8.37
11210047	1-IPS-CL30	C-22	\$8.37
11210048	1-IPS-CL36	C-09	\$10.56
11210048	1-IPS-CL36	C-16	\$10.56
11210048	1-IPS-CL36	C-22	\$10.56
11210050	1-IPS-CL48	C-09	\$17.36
11210050	1-IPS-CL48	C-16	\$17.36
11210050	1-IPS-CL48	C-22	\$17.36
11210071	3/4-IPS-CL24	C-09	\$3.38
11210071	3/4-IPS-CL24	C-16	\$3.38
11210071	3/4-IPS-CL24	C-22	\$3.38
11210074	3/4-IPS-CL30	C-09	\$4.21
11210074	3/4-IPS-CL30	C-16	\$4.21
11210074	3/4-IPS-CL30	C-22	\$4.21
11210077	3/4-IPS-CL36	C-09	\$5.12
11210077	3/4-IPS-CL36	C-16	\$5.12
11210077	3/4-IPS-CL36	C-22	\$5.12
11210079	3/4-IPS-CL42	C-09	\$5.83

Part #	Model #	Page	Price
11210079	3/4-IPS-CL42	C-16	\$5.83
11210079	3/4-IPS-CL42	C-22	\$5.83
11210081	3/4-IPS-CL48	C-09	\$6.83
11210081	3/4-IPS-CL48	C-16	\$6.83
11210081	3/4-IPS-CL48	C-22	\$6.83
11210085	3/4-IPS-CL60	C-09	\$8.82
11210085	3/4-IPS-CL60	C-16	\$8.82
11210085	3/4-IPS-CL60	C-22	\$8.82
11210087	3/4-IPS-CL72	C-09	\$11.09
11210087	3/4-IPS-CL72	C-16	\$11.09
11210087	3/4-IPS-CL72	C-22	\$11.09
11230028	T5B400-18	C-15	\$1.82
11230032	T5B400-12	C-15	\$2.23
11230040	T5B4000-12	C-15	\$1.91
11231203	T5B4000-18	C-15	\$1.82
12010001	3/4-CSS	C-26	\$1.03
12010002	3/4-90-MHA	C-26	\$2.42
12010004	1/2-CSS	C-26	\$0.75
12010005	1/2-90-MHA	C-26	\$2.19
12010008	1000-CA-1A	C-21	\$1.50
12010020	PL-50X06-LS	C-04	\$1.81
12010025	PL-60X06-LS	C-04	\$1.77
12010032	PL-50X09-LS	C-04	\$2.95
12010035	PL-60X09-LS	C-04	\$3.11
12010065	250-CA	C-21	\$0.34
12010083	350-CA	C-21	\$0.34
12010085	PL-80X09-LS	C-04	\$2.48
12010107	400-CA	C-21	\$0.34
12010108	400-CC	C-19	\$0.89
12010109	400-CE	C-20	\$1.37
12010139	435-CA	C-21	\$0.34
12010210	600-C3T	C-17	\$1.35
12010211	600-C3TM	C-17	\$2.82
12010213	600-CA	C-21	\$0.34
12010214	600-CC	C-19	\$0.89
12010215	600-CE	C-20	\$0.87
12010218	600-CEFCH-H	C-19	\$3.45
12010219	600-CEFCH-L	C-19	\$3.45
12010220	600-CELL	C-18	\$1.35
12010224	600-CELL-SN-WS	C-18	\$2.94
12010225	600-CELL-SN-WW	C-18	\$2.81
12010226	600-CETC	C-20	\$1.35
12010232	600-CHS-WS	C-20	\$1.74

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12010232	600-CHS-WS	C-22	\$1.74
12010233	600-CHS-WW	C-20	\$1.41
12010233	600-CHS-WW	C-22	\$1.41
12010234	600-CMA	C-19	\$1.22
12010236	600-CRMA	C-20	\$1.03
12010241	600-CSTV-WS	C-18	\$8.15
12010242	600-CSTV-WW	C-18	\$9.19
12010243	600-CST-WS	C-17	\$2.09
12010243	600-CST-WS	C-22	\$2.09
12010244	600-CST-WW	C-17	\$1.97
12010244	600-CST-WW	C-22	\$1.97
12010296	700-C3T	C-17	\$1.35
12010297	700-C3TM	C-17	\$3.16
12010299	700-CA	C-21	\$0.34
12010301	700-CC	C-19	\$0.89
12010303	700-CE	C-20	\$0.87
12010305	700-CEFCH-H	C-19	\$3.45
12010306	700-CEFCH-L	C-19	\$3.45
12010307	700-CELL	C-18	\$1.35
12010311	700-CELL-SN-WS	C-18	\$3.14
12010312	700-CELL-SN-WW	C-18	\$2.83
12010313	700-CETC	C-20	\$1.35
12010319	700-CHS-WS	C-20	\$1.74
12010319	700-CHS-WS	C-22	\$1.74
12010320	700-CHS-WW	C-20	\$1.41
12010320	700-CHS-WW	C-22	\$1.41
12010321	700-CMA	C-19	\$1.22
12010323	700-CRMA	C-20	\$1.03
12010329	700-CSTV-WS	C-18	\$9.60
12010330	700-CSTV-WW	C-18	\$9.19
12010331	700-CST-WS	C-17	\$2.09
12010331	700-CST-WS	C-22	\$2.09
12010332	700-CST-WW	C-17	\$1.97
12010332	700-CST-WW	C-22	\$1.97
12010348	710-C3T	C-17	\$1.35
12010349	710-C3TM	C-17	\$2.98
12010351	710-CA	C-21	\$0.34
12010353	710-CC	C-19	\$0.89
12010354	710-CE	C-20	\$0.87
12010357	710-CEFCH-H	C-19	\$3.45
12010358	710-CEFCH-L	C-19	\$3.45
12010359	710-CELL	C-18	\$1.35
12010363	710-CELL-SN-WS	C-18	\$3.12

Part #	Model #	Page	Price
12010364	710-CELL-SN-WW	C-18	\$2.83
12010365	710-CETC	C-20	\$1.35
12010371	710-CHS-WS	C-20	\$1.74
12010371	710-CHS-WS	C-22	\$1.74
12010372	710-CHS-WW	C-20	\$1.41
12010372	710-CHS-WW	C-22	\$1.41
12010373	710-CMA	C-19	\$1.22
12010375	710-CRMA	C-20	\$1.03
12010381	710-CSTV-WS	C-18	\$9.60
12010382	710-CSTV-WW	C-18	\$9.19
12010383	710-CST-WS	C-17	\$2.09
12010383	710-CST-WS	C-22	\$2.09
12010384	710-CST-WW	C-17	\$1.97
12010384	710-CST-WW	C-22	\$1.97
12010407	790-CA	C-21	\$0.57
12010408	790-CCG	C-19	\$3.38
12010409	790-CE	C-20	\$2.71
12010426	800-C3T	C-17	\$2.77
12010428	800-C3TM	C-17	\$6.57
12010430	800-CA	C-21	\$0.57
12010431	800-CC	C-19	\$1.22
12010433	800-CE	C-20	\$2.56
12010436	800-CEFCH-H	C-19	\$4.72
12010437	800-CEFCH-L	C-19	\$4.72
12010438	800-CELL	C-18	\$1.91
12010443	800-CETC	C-20	\$2.65
12010448	800-CHS-WS	C-20	\$3.07
12010448	800-CHS-WS	C-22	\$3.07
12010449	800-CHS-WW	C-20	\$2.75
12010449	800-CHS-WW	C-22	\$2.75
12010450	800-CMA	C-19	\$1.77
12010454	800-CSTV-WS	C-18	\$11.88
12010455	800-CSTV-WW	C-18	\$11.48
12010456	800-CST-WS	C-17	\$4.03
12010456	800-CST-WS	C-22	\$4.03
12010458	800-CST-WW	C-17	\$3.91
12010458	800-CST-WW	C-22	\$3.91
12010499	900-C3T	C-17	\$2.77
12010501	900-C3TM	C-17	\$6.57
12010503	900-CA	C-21	\$0.57
12010504	900-CC	C-19	\$1.22
12010506	900-CE	C-20	\$1.52
12010509	900-CEFCH-H	C-19	\$4.72

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12010511	900-CELL	C-18	\$1.91
12010516	900-CETC	C-20	\$2.12
12010521	900-CHS-WS	C-20	\$3.07
12010521	900-CHS-WS	C-22	\$3.07
12010522	900-CHS-WW	C-20	\$2.75
12010522	900-CHS-WW	C-22	\$2.75
12010523	900-CMA	C-19	\$1.74
12010528	900-CSTV-WS	C-18	\$11.88
12010530	900-CSTV-WW	C-18	\$11.48
12010531	900-CST-WS	C-17	\$4.03
12010531	900-CST-WS	C-22	\$4.03
12010533	900-CST-WW	C-17	\$3.91
12010533	900-CST-WW	C-22	\$3.91
12010541	900X700-RCC*	C-20	\$2.50
12010544	900X710-RCC*	C-20	\$2.50
12010562	*MSTV-WW	C-09	\$6.27
12010562	*MSTV-WW	C-22	\$6.27
12010562	MSTV-WW	C-27	\$6.27
12010563	*MST-WS	C-09	\$2.09
12010563	*MST-WS	C-22	\$2.09
12010563	MST-WS	C-27	\$2.09
12010564	*MST-WW	C-09	\$1.66
12010564	*MST-WW	C-22	\$1.66
12010564	MST-WW	C-27	\$1.66
12010570	3/4MHAMSTWW	C-09	\$2.45
12010570	3/4MHAMSTWW	C-22	\$2.45
12010570	3/4-MHA-MST-WW	C-27	\$2.45
12020002	*1000-GRO	C-09	\$3.30
12020002	*1000-GRO	C-16	\$3.30
12020002	*1000-GRO	C-22	\$3.30
12030002	400B-06-LSO	C-15	\$0.73
12030004	250B-06-LS	C-15	\$0.71
12030008	400B-06-LS	C-15	\$0.71
12030009	400Bx520-I	C-23	\$0.73
12030011	420BV-06-LS	C-15	\$2.91
12030014	700B-06-LS	C-15	\$0.80
12030015	700B-09-LS	C-15	\$1.45
12030017	MA-06-LS1	C-14	\$1.17
12030022	CPT-06-LS	C-11	\$0.75
12030024	CPT-09-LS	C-11	\$1.28
12030025	CPT-14-LS	C-11	\$5.76
12030029	CSP-06-LS350	C-12	\$1.69

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12030030	CSP-06-LS400	C-12	\$1.69
12030031	FHC-09-LSO	C-13	\$3.12
12030032	CPT-09-LSO	C-11	\$1.29
12030033	CSP-06-LS600	C-12	\$1.69
12030035	CSP-06-LS700	C-12	\$1.69
12030036	CSP-06-LS710	C-12	\$1.69
12030040	BASF-09-LS	C-14	\$3.08
12030041	CSP-09-LS600	C-12	\$2.44
12030043	CSP-09-LS710	C-12	\$2.44
12030047	CSP-09-LS1-900	C-12	\$2.44
12030048	CPT-BV-09-LS	C-15	\$11.75
12030049	ELL-06-LS	C-12	\$2.51
12030053	END-06-LSC	C-12	\$1.50
12030054	END-09-LSC	C-12	\$2.01
12030058	FCH-06-LS-L	C-14	\$2.62
12030060	FCH-09-LS-L	C-14	\$3.15
12030062	CPT-06-LSO	C-11	\$0.77
12030063	FHC-06-LS	C-13	\$1.56
12030064	FHC-06-PLUG	C-13	\$1.46
12030065	FHC-09-LS	C-13	\$2.50
12030066	FHC-1-06-LS	C-13	\$2.39
12030067	FHC-06-LSO	C-13	\$1.90
12030070	FHS-06-LS-WS	C-12	\$2.57
12030071	FHS-06-LS-WW	C-12	\$2.19
12030072	LST-06-LS-WS	C-11	\$3.90
12030073	LST-06-LS-WW	C-11	\$3.51
12030076	MA-06-LS	C-14	\$1.05
12030077	MA-09-LS1	C-14	\$1.54
12030078	MA-09-LS2	C-14	\$2.41
12030081	MHT-06-LS	C-14	\$1.59
12030082	MHT-09-LS	C-14	\$2.16
12030085	SSP-06-LS	C-12	\$1.22
12030087	SSP-09-LS	C-12	\$1.54
12030088	SSP-09-LS1	C-12	\$1.59
12030089	SSP-09-LS2	C-12	\$1.92
12030090	SSP-14-LS2	C-12	\$3.49
12030090	SSP-14-LS2	C-16	\$3.49
12030092	TEE-06-LS	C-11	\$2.81
12030097	TEE-06-LSL1/2	C-11	\$4.80
12030100	TEE-06-LSL600	C-11	\$2.76
12030109	WYE-06-MHT	C-14	\$3.29
12030111	SSP-10-LS	C-12	\$1.83
12030111	SSP-10-LS	C-16	\$1.83

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12030117	SSP-BV-06-LS	C-15	\$6.97
12030118	SSP-BV-09-LS	C-15	\$7.30
12030119	SSP1-BV-09-LS	C-15	\$9.08
12030131	CPT-BV-06-LS	C-15	\$8.21
12030134	FPS-06-LS-WW	C-12	\$3.72
12030135	CPT-11-LS	C-11	\$3.32
12030136	SSP-11-LS1	C-12	\$5.53
12030136	SSP-11-LS1	C-16	\$5.53
12030137	BASF-11-LS	C-14	\$4.44
12030138	END-11-LSC	C-12	\$5.25
12030146	ELL-09-LS	C-12	\$5.93
12030147	CSP-11-LS1-900	C-12	\$3.10
12030151	FHS-09-LS-WW	C-12	\$4.40
12030160	250B-BV-06-LS	C-15	\$10.86
12030165	400B-BV-06-LS	C-15	\$11.29
12030171	CPT-10-LS	C-11	\$2.52
12030173	700B-10-LS	C-15	\$2.69
12030175	PT50-BV-06-LS	C-15	\$10.23
12030177	PT75-BV-06-LS	C-15	\$9.97
12030186	BASF-10-LS	C-14	\$3.21
12030188	SSP-10-LS1	C-12	\$1.91
12030188	SSP-10-LS1	C-16	\$1.91
12030189	END-10-LSC	C-12	\$2.30
12030191	MHT-10-LS	C-14	\$1.83
12030192	FHS-10-LS-WW	C-12	\$2.61
12030194	SSP-10-LS2	C-12	\$2.23
12030194	SSP-10-LS2	C-16	\$2.23
12030195	MA-10-LS1	C-14	\$1.81
12030197	MA-10-LS2	C-14	\$0.00
12030206	1000B-11-LS	C-15	\$0.00
12030210	MHT-11-LS	C-14	\$2.64
12030212	FHS-11-LS-WW	C-12	\$0.00
12030214	SSP-11-LS2	C-12	\$2.77
12030214	SSP-11-LS2	C-16	\$2.77
12030216	MA-11-LS1	C-14	\$2.67
12030217	MA-11-LS2	C-14	\$0.00
12030612	END-BV-06-LS	C-14	\$5.67
12030912	END-BV-09-LS	C-14	\$5.96
12031100	T7B7000-18	C-15	\$4.89
12031101	T7B7000-24	C-15	\$5.01
12031112	END-BV-11-LS	C-14	\$14.98
12031191	T7B700-18	C-15	\$4.76

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12031194	T7B700-24	C-15	\$4.89
12031205	T5B400-24	C-15	\$1.85
12031206	T5B4000-24	C-15	\$2.09
12031224	T7B7000-36	C-15	\$5.08
12040002	1/2-MA	C-26	\$1.22
12040003	1/2-MHA	C-16	\$0.99
12040003	1/2-MHA	C-22	\$0.99
12040003	1/2-MHA	C-26	\$0.99
12040006	1000-PIA	C-09	\$2.06
12040006	1000-PIA	C-16	\$2.06
12040006	1000-PIA	C-22	\$2.06
12040006	1000-PIA	C-25	\$2.06
12040019	250-PIA-S	C-25	\$0.70
12040023	3/4-FHS-1-WS	C-27	\$2.64
12040024	3/4-FHS-1-WW	C-27	\$2.08
12040025	3/4-FHS-WS	C-27	\$2.25
12040026	3/4-FHS-WW	C-27	\$1.90
12040028	3/4-MHA	C-16	\$1.15
12040028	3/4-MHA	C-22	\$1.15
12040028	3/4-MHA	C-26	\$1.15
12040029	3/4-MHS	C-16	\$0.97
12040029	3/4-MHS	C-22	\$0.97
12040029	3/4-MHS	C-26	\$0.97
12040029	3/4-MHS	C-26	\$0.97
12040032	350-TPAG	C-27	\$1.95
12040035	400-CPIA-400	C-25	\$1.25
12040039	400-CPIA-600	C-25	\$1.25
12040041	400-CPIA-700	C-25	\$1.25
12040044	400-PIA	C-09	\$0.76
12040044	400-PIA	C-16	\$0.76
12040044	400-PIA	C-22	\$0.76
12040044	400-PIA	C-25	\$0.76
12040044	400-PIA	C-25	\$0.76
12040045	400-PIA-S	C-25	\$0.76
12040046	400-TB	C-23	\$0.47
12040047	400-TPA	C-27	\$1.59
12040051	600-TPA	C-27	\$1.59
12040056	700-CPIA-600	C-25	\$1.34
12040058	700-CPIA-710	C-25	\$1.34
12040061	700-PIA	C-09	\$0.85
12040061	700-PIA	C-16	\$0.85
12040061	700-PIA	C-22	\$0.85
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12040062	700-PIA-S	C-25	\$0.85

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12040085	SAS-A	C-27	\$1.09
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12040092	700-PIA-1	C-16	\$1.51
12040092	700-PIA-1	C-22	\$1.51
12040092	700-PIA-1	C-25	\$1.51
12050001	PL-50-P3T	C-02	\$2.51
12050002	PL-50-PST-WW	C-02	\$2.70
12050002	PL-50-PST-WW	C-09	\$2.70
12050003	PL-50-PST-WS	C-03	\$3.05
12050003	PL-50-PST-WS	C-09	\$3.05
12050004	PL-50-PELL	C-03	\$1.99
12050005	PL-50-PC	C-02	\$0.99
12050006	PL-50-PETC	C-05	\$1.35
12050007	PL-50-PHS-WW	C-05	\$1.69
12050007	PL-50-PHS-WW	C-09	\$1.69
12050008	PL-50-PHS-WS	C-05	\$2.05
12050008	PL-50-PHS-WS	C-09	\$2.05
12050009	PL-50-P1/2-MA	C-04	\$0.86
12050010	PL-50-P3/4-MA	C-04	\$0.92
12050011	PL-50-PMT	C-04	\$0.91
12050012	PL-50-PEF	C-06	\$4.76
12050013	PL-70x50-PRC	C-04	\$1.94
12050015	PL-50-PEFB	C-06	\$3.54
12050018	PL-50-SSP1	C-06	\$1.52
12050019	PL-50-SSP	C-06	\$1.28
12050026	PL-50-PSELL-WW	C-04	\$1.99
12050032	PL-50-P3TM	C-03	\$4.70
12050040	250B-BV-PL-50	C-07	\$6.77
12050042	PL-50-400B	C-05	\$0.99
12050043	PL-50-400BT	C-03	\$3.25
12050044	PL-50-700B	C-05	\$3.88
12050045	PL-50-700BT	C-03	\$3.25
12050046	PL-50-SSPT	C-03	\$4.88
12050047	PL-50-SSP1T	C-03	\$3.04
12050050	PL-50-MTFCH-L	C-08	\$2.97
12050051	PL-50-P3TM-FCH-L	C-08	\$4.96
12050060	PL-50-MTFCH-H	C-08	\$2.97
12050061	PL-50-P3TM-FCH-H	C-08	\$3.70
12050101	PL-60-P3T	C-02	\$2.51
12050102	PL-60-PST-WW	C-02	\$2.70
12050102	PL-60-PST-WW	C-09	\$2.70
12050103	PL-60-PST-WS	C-03	\$3.05

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12050104	PL-60-PELL	C-03	\$1.99
12050105	PL-60-PC	C-02	\$0.99
12050106	PL-60-PETC	C-05	\$1.35
12050107	PL-60-PHS-WW	C-05	\$1.69
12050107	PL-60-PHS-WW	C-09	\$1.69
12050108	PL-60-PHS-WS	C-05	\$2.05
12050108	PL-60-PHS-WS	C-09	\$2.05
12050109	PL-60-P1/2-MA	C-04	\$0.86
12050110	PL-60-P3/4-MA	C-04	\$0.92
12050111	PL-60-PMT	C-04	\$0.93
12050113	PL-60-PEF	C-06	\$3.54
12050115	PL-60-PEFB	C-06	\$3.54
12050120	PL-60-PSELL-WW	C-04	\$1.99
12050121	PL-60-SSP	C-06	\$1.28
12050124	PL-60-SSP1	C-06	\$1.52
12050126	PL-60-BV-PC	C-07	\$4.54
12050127	PL-50-BV-PC	C-07	\$4.54
12050140	250B-BV-PL-60	C-07	\$6.98
12050142	PL-60-400B	C-05	\$0.99
12050143	PL-60-400BT	C-03	\$3.30
12050144	PL-60-700B	C-05	\$2.06
12050145	PL-60-700BT	C-03	\$3.30
12050146	PL-60-SSPT	C-03	\$3.04
12050147	PL-60-SSP1T	C-03	\$3.04
12050150	PL-60-MTFCH-L	C-08	\$2.99
12050151	PL-60-P3TM-FCH-L	C-08	\$3.70
12050160	PL-60-MTFCH-H	C-08	\$2.99
12050161	PL-60-P3TM-FCH-H	C-08	\$3.70
12050201	PL-70-P3T	C-02	\$2.76
12050202	PL-70-PST-WW	C-02	\$3.11
12050202	PL-70-PST-WW	C-09	\$3.11
12050203	PL-70-PST-WS	C-03	\$3.49
12050203	PL-70-PST-WS	C-09	\$3.49
12050204	PL-70-PELL	C-03	\$2.23
12050205	PL-70-PC	C-02	\$1.42
12050206	PL-70-PETC	C-05	\$1.49
12050207	PL-70-PHS-WW	C-05	\$1.89
12050207	PL-70-PHS-WW	C-09	\$1.89
12050208	PL-70-PHS-WS	C-05	\$2.26
12050208	PL-70-PHS-WS	C-09	\$2.26
12050209	PL-70-P1/2-MA	C-04	\$0.94
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12050219	PL-70-SSP	C-06	\$1.39
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12050223	PL-70-BV-PC	C-07	\$5.93
12050232	PL-70-PSELL-WW	C-04	\$2.26
12050240	250B-BV-PL-70	C-07	\$7.82
12050242	PL-70-400B	C-05	\$2.03
12050243	PL-70-400BT	C-03	\$3.62
12050244	PL-70-700B	C-05	\$2.16
12050245	PL-70-700BT	C-03	\$3.62
12050246	PL-70-SSPT	C-03	\$4.76
12050247	PL-70-SSP1T	C-03	\$3.12
12050250	PL-70-MTFCH-L	C-08	\$3.14
12050251	PL-70-P3TM-FCH-L	C-08	\$3.90
12050260	PL-70-MTFCH-H	C-08	\$3.14
12050261	PL-70-P3TM-FCH-H	C-08	\$3.90
12050313	PL-60x50-PRC	C-04	\$1.91
12050326	PL-60-PPS-WW	C-05	\$2.35
12050508	PL-60-P3TM	C-03	\$2.38
12050530	PL-70-P3TM	C-03	\$3.52
12050600	PL-80-PST-WW	C-02	\$6.23
12050600	PL-80-PST-WW	C-09	\$6.23
12050601	PL-80-PST-WS	C-03	\$6.43
12050601	PL-80-PST-WS	C-09	\$6.43
12050602	PL-80-SSP1	C-06	\$1.95
12050603	PL-80-PMT	C-04	\$1.89
12050604	PL-80-P3/4-MA	C-04	\$1.81
12050605	PL-80-PHS-WW	C-05	\$3.51
12050605	PL-80-PHS-WW	C-09	\$3.51
12050606	PL-80-PHS-WS	C-05	\$3.89
12050606	PL-80-PHS-WS	C-09	\$3.89
12050607	PL-80-PC	C-02	\$2.88
12050608	PL-80-SSP	C-06	\$1.82
12050609	PL-80-P3TM	C-03	\$3.59
12050610	PL-100-PST-WW	C-09	\$8.91
12050611	PL-100-PC	C-02	\$3.28
12050612	PL-100-PST-WS	C-03	\$9.19
12050612	PL-100-PST-WS	C-09	\$9.19
12050613	PL-100-SSP1	C-06	\$2.15
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12050617	PL-80-PELL	C-03	\$4.84
12050618	PL-100-PELL	C-03	\$5.61
12050619	PL-100-P3T	C-02	\$8.73
12050620	PL-80-PETC	C-05	\$2.81
12050626	PL-80-SSPT	C-03	\$7.36
12050627	PL-80-SSP1T	C-03	\$7.36
12050628	PL-80-MTFCH-L	C-08	\$3.31
12050629	PL-80-PSELL-WW	C-04	\$4.43
12050630	PL-80-MTFCH-H	C-08	\$3.31
12050644	PL-80-700B	C-05	\$2.74
12050650	PL-100-MTFCH-L	C-08	\$3.68
12050651	PL-80-P3TM-FCH-L	C-08	\$4.95
12050660	PL-100-MTFCH-H	C-08	\$4.30
12050661	PL-80-P3TM-FCH-H	C-08	\$4.95
12050701	PL-100-P3TM	C-03	\$6.07
12050702	PL-100-SSPT	C-03	\$8.26
12050703	PL-100-SSP1T	C-03	\$8.26
12050704	PL-100-P3/4-MA	C-04	\$2.12
12050705	PL-100-PSELL-WW	C-04	\$6.03
12050707	PL-100-P10-MA	C-04	\$2.36
12050708	PL-100-SSP	C-06	\$2.02
12050710	PL-100-SSP2	C-06	\$2.36
12050711	PL-100-PMT	C-04	\$2.31
12050720	PL-100-PETC	C-05	\$3.14
12050744	PL-100-700B	C-05	\$4.60
12050746	PL-100-1000B	C-05	\$4.84
12050751	PL-100-P3TM-FCH-L	C-08	\$7.42
12050761	PL-100-P3TM-FCH-H	C-08	\$7.42
12051037	PL-50-KMA	C-06	\$2.16
12051038	PL-55-KMA	C-06	\$2.41
12051065	PL-60-KMA	C-06	\$2.30
12051125	PL-70-KMA	C-06	\$2.52
12060012	3/4-B	C-09	\$4.25
12060012	3/4-B	C-09	\$4.25
12060012	3/4-B	C-09	\$4.25
12060012	3/4-B	C-10	\$4.25
12060012	3/4-B	C-22	\$4.25
12060012	3/4-B	C-22	\$4.25
12060012	3/4-B	C-22	\$4.25
12060015	3/4-BU **	C-09	\$6.62

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12060024	3/4WYE-BLACK	C-09	\$3.76
12060024	3/4WYE-BLACK	C-09	\$3.76
12060024	3/4WYE-BLACK	C-10	\$3.76
12060024	3/4WYE-BLACK	C-22	\$3.76
12060024	3/4WYE-BLACK	C-22	\$3.76
12060026	3/4-BU-AG	C-09	\$11.09
12060026	3/4-BU-AG	C-09	\$11.09
12060026	3/4-BU-AG	C-09	\$11.09
12060026	3/4-BU-AG	C-10	\$11.09
12060026	3/4-BU-AG	C-22	\$11.09
12060026	3/4-BU-AG	C-22	\$11.09
12060026	3/4-BU-AG	C-22	\$11.09
12060026	3/4-BU-AG	C-22	\$11.09
12060043	SAS-1JU	C-10	\$12.86
12060044	SAS-3	C-10	\$14.09
12062047	3/4-GB	C-09	\$2.22
12062047	3/4-GB	C-09	\$2.22
12062047	3/4-GB	C-09	\$2.22
12062047	3/4-GB	C-10	\$2.22
12062047	3/4-GB	C-22	\$2.22
12062047	3/4-GB	C-22	\$2.22
12062047	3/4-GB	C-22	\$2.22
12062047	3/4-GB	C-22	\$2.22
12080035	AS-1/2-1-1/2	C-09	\$1.22
12080035	AS-1/2-1-1/2	C-16	\$1.22
12080035	AS-1/2-1-1/2	C-22	\$1.22
12080035	AS-1/2-1-1/2*	C-29	\$1.22
12080036	AS-1/2-2	C-09	\$1.22
12080036	AS-1/2-2	C-16	\$1.22
12080036	AS-1/2-2	C-22	\$1.22
12080036	AS-1/2-2	C-29	\$1.22
12080037	AS-1/2-2-1/2	C-09	\$1.22
12080037	AS-1/2-2-1/2	C-16	\$1.22
12080037	AS-1/2-2-1/2	C-22	\$1.22
12080037	AS-1/2-2-1/2	C-29	\$1.22
12080038	AS-1/2-3	C-09	\$1.22
12080038	AS-1/2-3	C-16	\$1.22
12080038	AS-1/2-3	C-22	\$1.22
12080038	AS-1/2-3	C-29	\$1.22
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12080040	AS-1/2-5	C-16	\$1.22
12080040	AS-1/2-5	C-22	\$1.22
12080040	AS-1/2-5	C-29	\$1.22
12080041	AS-1/2-6	C-09	\$1.22
12080041	AS-1/2-6	C-16	\$1.22
12080041	AS-1/2-6	C-22	\$1.22
12080041	AS-1/2-6	C-29	\$1.22
12080043	AS-1-4	C-09	\$1.48
12080043	AS-1-4	C-16	\$1.48
12080043	AS-1-4	C-22	\$1.48
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12080044	AS-1-5	C-29	\$1.48
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12080046	AS-1-8	C-22	\$1.48
12080046	AS-1-8	C-29	\$1.48
12080047	AS-3/4-10	C-09	\$1.30
12080047	AS-3/4-10	C-16	\$1.30
12080047	AS-3/4-10	C-22	\$1.30
12080047	AS-3/4-10	C-29	\$1.30
12080049	AS-3/4-2	C-09	\$1.30
12080049	AS-3/4-2	C-16	\$1.30
12080049	AS-3/4-2	C-22	\$1.30
12080049	AS-3/4-2	C-29	\$1.30
12080050	AS-3/4-2 1/2	C-09	\$1.30
12080050	AS-3/4-2 1/2	C-16	\$1.30
12080050	AS-3/4-2 1/2	C-22	\$1.30
12080050	AS-3/4-2 1/2	C-29	\$1.30
12080051	AS-3/4-3	C-09	\$1.30
12080051	AS-3/4-3	C-16	\$1.30
12080051	AS-3/4-3	C-22	\$1.30
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12080053	AS-3/4-5	C-09	\$1.30
12080053	AS-3/4-5	C-16	\$1.30
12080053	AS-3/4-5	C-22	\$1.30
12080053	AS-3/4-5	C-29	\$1.30
12080054	AS-3/4-6	C-09	\$1.30
12080054	AS-3/4-6	C-16	\$1.30
12080054	AS-3/4-6	C-22	\$1.30
12080054	AS-3/4-6	C-29	\$1.30
12080055	AS-3/4-8	C-09	\$1.30
12080055	AS-3/4-8	C-16	\$1.30
12080055	AS-3/4-8	C-22	\$1.30
12080055	AS-3/4-8	C-29	\$1.30
12080059	AS-1-3	C-29	\$1.48
12220001	BV-005S	C-28	\$2.61
12220010	BV-007S	C-28	\$3.52
12220020	BV-010S	C-28	\$5.35
12220030	BV-012S	C-28	\$7.35
12220040	BV-015S	C-28	\$9.11
12220050	BV-020S	C-28	\$13.67
12220055	BV-025S	C-28	\$44.24
12220060	BV-030S	C-28	\$69.61
12220070	BV-040S	C-28	\$123.59
12220080	BV-060S	C-28	\$390.77
12220100	BV-005T	C-28	\$2.61
12220110	BV-007T	C-28	\$3.52
12220120	BV-010T	C-28	\$5.35
12220130	BV-012T	C-28	\$7.35
12220140	BV-015T	C-28	\$9.11
12220150	BV-020T	C-28	\$13.67
12220155	BV-025T	C-28	\$44.24
12220160	BV-030T	C-28	\$69.61
12220170	BV-040T	C-28	\$123.59
12290009	170-TB	C-24	\$0.17
12290011	1-MHA	C-16	\$1.51
12290011	1-MHA	C-22	\$1.51
12290011	1-MHA	C-26	\$1.51
12290012	250-TB	C-24	\$0.28
12290031	*400-GRO	C-09	\$0.52
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12290076	ELO12	C-23	\$0.49
12290077	TO12	C-23	\$0.57
12290078	JO16	C-23	\$0.41
12290079	ELO16	C-23	\$0.57
12290080	TO16	C-23	\$0.64
12290082	J116	C-23	\$0.59
12290083	ELI16	C-23	\$0.78
12290084	TI16	C-23	\$0.82
12290085	JO20	C-23	\$0.70
12290086	ELO20	C-23	\$0.87
12290087	TO20	C-23	\$0.93
12290091	TJ116	C-25	\$0.75
12290092	TEI16	C-25	\$1.71
12290093	TTI16	C-25	\$1.54
12290095	TSAI16	C-25	\$2.19
12501078	660SWCHP	C-26	\$6.56
17097032	47-TB	C-24	\$0.18
72015079	L250	C-24	\$0.18
72050301	PL-55-P3T	C-02	\$2.63
72050302	PL-55-PST-WW	C-02	\$3.25
72050302	PL-55-PST-WW	C-09	\$3.25
72050304	PL-55-PELL	C-03	\$2.05
72050305	PL-55-PC	C-02	\$1.10
72050306	PL-55-PETC	C-05	\$1.77
72050307	PL-55-PHS-WW	C-05	\$1.91
72050307	PL-55-PHS-WW	C-09	\$1.91
72050308	PL-55-P1/2-MA	C-04	\$1.78
72050310	PL-55-P3TM	C-03	\$2.38
72050311	PL-55-PMT	C-04	\$1.24
72050312	PL-55-PEF	C-06	\$4.12
72050314	PL-55-BV-PC	C-07	\$4.84
72050315	PL-55-PST-WS	C-03	\$4.10
72050315	PL-55-PST-WS	C-09	\$4.10
72050316	PL-55-PHS-WS	C-05	\$2.15
72050316	PL-55-PHS-WS	C-09	\$2.15
72050317	PL-55-P3/4-MA	C-04	\$1.78
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72050328	PL-55-MTFCH-L	C-08	\$3.08
72050329	PL-55-SSP1T	C-03	\$3.77
72050330	PL-55-MTFCH-H	C-08	\$3.08
72050331	PL-55-P3TM-FCH-L	C-08	\$4.03
72050332	PL-55-P3TM-FCH-H	C-08	\$4.03
72050333	PL-55-PSELL-WW	C-04	\$2.09
72290006	C125	C-24	\$0.15
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72291027	ALCROSS	C-24	\$1.65
72291028	AL075FTEE	C-24	\$2.06
72291029	AL1FTEE	C-24	\$2.06
72500289	440VLBB	C-10	\$3.24
72500379	FAM-H5P	C-26	\$3.56
72500492	PRA1032	C-24	\$0.22
72500493	PRAB170	C-24	\$0.22
72500541	T125	C-24	\$0.29
72500542	T250	C-24	\$0.20
72500803	FAM-5075	C-26	\$1.25
72500806	FAM-H3P	C-26	\$1.25
72500948	P710CPS	C-21	\$4.81
72500994	P700SA	C-21	\$0.99
72500997	P710SA	C-21	\$1.02
72501086	P600CPS	C-21	\$1.43
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72501099	446VLBB	C-10	\$3.74
72501100	770VLBB	C-10	\$6.40
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C-02	PL-60-P3T	12050101	\$2.51
C-02	PL-60-PST-WW	12050102	\$2.70
C-02	PL-60-PC	12050105	\$0.99
C-02	PL-70-P3T	12050201	\$2.76
C-02	PL-70-PST-WW	12050202	\$3.11
C-02	PL-70-PC	12050205	\$1.42
C-02	PL-80-PST-WW	12050600	\$6.23
C-02	PL-80-PC	12050607	\$2.88
C-02	PL-100-PC	12050611	\$3.28
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C-02	PL-100-P3T	12050619	\$8.73
C-02	PL-55-P3T	72050301	\$2.63
C-02	PL-55-PST-WW	72050302	\$3.25
C-02	PL-55-PC	72050305	\$1.10
C-03	PL-50-PST-WS	12050003	\$3.05
C-03	PL-50-PELL	12050004	\$1.99
C-03	PL-50-P3TM	12050032	\$4.70
C-03	PL-50-400BT	12050043	\$3.25
C-03	PL-50-700BT	12050045	\$3.25
C-03	PL-50-SSPT	12050046	\$4.88
C-03	PL-50-SSP1T	12050047	\$3.04
C-03	PL-60-PST-WS	12050103	\$3.05
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C-03	PL-60-400BT	12050143	\$3.30
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C-03	PL-60-SSPT	12050146	\$3.04
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C-03	PL-70-PST-WS	12050203	\$3.49
C-03	PL-70-PELL	12050204	\$2.23
C-03	PL-70-400BT	12050243	\$3.62
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C-03	PL-70-SSP1T	12050247	\$3.12
C-03	PL-60-P3TM	12050508	\$2.38
C-03	PL-70-P3TM	12050530	\$3.52
C-03	PL-80-PST-WS	12050601	\$6.43
C-03	PL-80-P3TM	12050609	\$3.59
C-03	PL-100-PST-WS	12050612	\$9.19
C-03	PL-80-PELL	12050617	\$4.84
C-03	PL-100-PELL	12050618	\$5.61

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C-03	PL-100-SSPT	12050702	\$8.26
C-03	PL-100-SSP1T	12050703	\$8.26
C-03	PL-55-PELL	72050304	\$2.05
C-03	PL-55-P3TM	72050310	\$2.38
C-03	PL-55-PST-WS	72050315	\$4.10
C-03	PL-55-SSPT	72050320	\$3.77
C-03	PL-55-SSP1T	72050329	\$3.77
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C-04	PL-60X06-LS	12010025	\$1.77
C-04	PL-50X09-LS	12010032	\$2.95
C-04	PL-60X09-LS	12010035	\$3.11
C-04	PL-80X09-LS	12010085	\$2.48
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C-04	PL-50-PMT	12050011	\$0.91
C-04	PL-70x50-PRC	12050013	\$1.94
C-04	PL-50-PSELL-WW	12050026	\$1.99
C-04	PL-60-P1/2-MA	12050109	\$0.86
C-04	PL-60-P3/4-MA	12050110	\$0.92
C-04	PL-60-PMT	12050111	\$0.93
C-04	PL-60-PSELL-WW	12050120	\$1.99
C-04	PL-70-P1/2-MA	12050209	\$0.94
C-04	PL-70-P3/4-MA	12050210	\$1.02
C-04	PL-70-PMT	12050211	\$0.97
C-04	PL-70-PSELL-WW	12050232	\$2.26
C-04	PL-60x50-PRC	12050313	\$1.91
C-04	PL-80-PMT	12050603	\$1.89
C-04	PL-80-P3/4-MA	12050604	\$1.81
C-04	PL-80-PSELL-WW	12050629	\$4.43
C-04	PL-100-P3/4-MA	12050704	\$2.12
C-04	PL-100-PSELL-WW	12050705	\$6.03
C-04	PL-100-P10-MA	12050707	\$2.36
C-04	PL-100-PMT	12050711	\$2.31
C-04	PL-55-P1/2-MA	72050308	\$1.78
C-04	PL-55-PMT	72050311	\$1.24
C-04	PL-55-P3/4-MA	72050317	\$1.78
C-04	PL-55-PSELL-WW	72050333	\$2.09
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C-05	PL-60-PHS-WW	12050107	\$1.69
C-05	PL-60-PHS-WS	12050108	\$2.05
C-05	PL-60-400B	12050142	\$0.99
C-05	PL-60-700B	12050144	\$2.06
C-05	PL-70-PETC	12050206	\$1.49
C-05	PL-70-PHS-WW	12050207	\$1.89
C-05	PL-70-PHS-WS	12050208	\$2.26
C-05	PL-70-400B	12050242	\$2.03
C-05	PL-70-700B	12050244	\$2.16
C-05	PL-60-PPS-WW	12050326	\$2.35
C-05	PL-80-PHS-WW	12050605	\$3.51
C-05	PL-80-PHS-WS	12050606	\$3.89
C-05	PL-100-PHS-WW	12050614	\$6.24
C-05	PL-100-PHS-WS	12050615	\$6.62
C-05	PL-80-PETC	12050620	\$2.81
C-05	PL-80-700B	12050644	\$2.74
C-05	PL-100-PETC	12050720	\$3.14
C-05	PL-100-700B	12050744	\$4.60
C-05	PL-100-1000B	12050746	\$4.84
C-05	PL-55-PETC	72050306	\$1.77
C-05	PL-55-PHS-WW	72050307	\$1.91
C-05	PL-55-PHS-WS	72050316	\$2.15
C-05	PL-55-PPS-WW	72050325	\$2.39
C-06	PL-50-PEF	12050012	\$4.76
C-06	PL-50-PEFB	12050015	\$3.54
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C-06	PL-50-SSP	12050019	\$1.28
C-06	PL-60-PEF	12050113	\$3.54
C-06	PL-60-PEFB	12050115	\$3.54
C-06	PL-60-SSP	12050121	\$1.28
C-06	PL-60-SSP1	12050124	\$1.52
C-06	PL-70-PEF	12050213	\$3.90
C-06	PL-70-PEFB	12050215	\$3.90
C-06	PL-70-SSP	12050219	\$1.39
C-06	PL-70-SSP1	12050220	\$1.64
C-06	PL-80-SSP1	12050602	\$1.95
C-06	PL-80-SSP	12050608	\$1.82
C-06	PL-100-SSP1	12050613	\$2.15
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C-06	PL-70-KMA	12051125	\$2.52
C-06	PL-55-PEF	72050312	\$4.12
C-06	PL-55-SSP1	72050321	\$1.71
C-06	PL-55-SSP	72050324	\$1.38
C-07	250B-BV-PL-50	12050040	\$6.77
C-07	PL-60-BV-PC	12050126	\$4.54
C-07	PL-50-BV-PC	12050127	\$4.54
C-07	250B-BV-PL-60	12050140	\$6.98
C-07	PL-70-BV-PC	12050223	\$5.93
C-07	250B-BV-PL-70	12050240	\$7.82
C-07	PL-55-BV-PC	72050314	\$4.84
C-08	PL-50-MTFCH-L	12050050	\$2.97
C-08	PL-50-P3TM-FCH-L	12050051	\$4.96
C-08	PL-50-MTFCH-H	12050060	\$2.97
C-08	PL-50-P3TM-FCH-H	12050061	\$3.70
C-08	PL-60-MTFCH-L	12050150	\$2.99
C-08	PL-60-P3TM-FCH-L	12050151	\$3.70
C-08	PL-60-MTFCH-H	12050160	\$2.99
C-08	PL-60-P3TM-FCH-H	12050161	\$3.70
C-08	PL-70-MTFCH-L	12050250	\$3.14
C-08	PL-70-P3TM-FCH-L	12050251	\$3.90
C-08	PL-70-MTFCH-H	12050260	\$3.14
C-08	PL-70-P3TM-FCH-H	12050261	\$3.90
C-08	PL-80-MTFCH-L	12050628	\$3.31
C-08	PL-80-MTFCH-H	12050630	\$3.31
C-08	PL-100-MTFCH-L	12050650	\$3.68
C-08	PL-80-P3TM-FCH-L	12050651	\$4.95
C-08	PL-100-MTFCH-H	12050660	\$4.30
C-08	PL-80-P3TM-FCH-H	12050661	\$4.95
C-08	PL-100-P3TM-FCH-L	12050751	\$7.42
C-08	PL-100-P3TM-FCH-H	12050761	\$7.42
C-08	PL-55-MTFCH-L	72050328	\$3.08
C-08	PL-55-MTFCH-H	72050330	\$3.08
C-08	PL-55-P3TM-FCH-L	72050331	\$4.03
C-08	PL-55-P3TM-FCH-H	72050332	\$4.03
C-09	1/2-IPS-CL24	11210017	\$2.95
C-09	1/2-IPS-CL30	11210020	\$3.77
C-09	1/2-IPS-CL36	11210021	\$4.29
C-09	1/2-IPS-CL42	11210023	\$5.12
C-09	1/2-IPS-CL48	11210025	\$5.42

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C-09	1/2-IPS-CL60	11210028	\$7.72
C-09	1/2-IPS-CL72	11210029	\$8.82
C-09	1-IPS-CL24	11210046	\$6.59
C-09	1-IPS-CL30	11210047	\$8.37
C-09	1-IPS-CL36	11210048	\$10.56
C-09	1-IPS-CL48	11210050	\$17.36
C-09	3/4-IPS-CL24	11210071	\$3.38
C-09	3/4-IPS-CL30	11210074	\$4.21
C-09	3/4-IPS-CL36	11210077	\$5.12
C-09	3/4-IPS-CL42	11210079	\$5.83
C-09	3/4-IPS-CL48	11210081	\$6.83
C-09	3/4-IPS-CL60	11210085	\$8.82
C-09	3/4-IPS-CL72	11210087	\$11.09
C-09	*MSTV-WW	12010562	\$6.27
C-09	*MST-WS	12010563	\$2.09
C-09	*MST-WW	12010564	\$1.66
C-09	3/4MHAMSTWW	12010570	\$2.45
C-09	*1000-GRO	12020002	\$3.30
C-09	1000-PIA	12040006	\$2.06
C-09	400-PIA	12040044	\$0.76
C-09	700-PIA	12040061	\$0.85
C-09	700-PIA-1	12040092	\$1.51
C-09	PL-50-PST-WW	12050002	\$2.70
C-09	PL-50-PST-WS	12050003	\$3.05
C-09	PL-50-PHS-WW	12050007	\$1.69
C-09	PL-50-PHS-WS	12050008	\$2.05
C-09	PL-60-PST-WW	12050102	\$2.70
C-09	PL-60-PST-WS	12050103	\$3.05
C-09	PL-60-PHS-WW	12050107	\$1.69
C-09	PL-60-PHS-WS	12050108	\$2.05
C-09	PL-70-PST-WW	12050202	\$3.11
C-09	PL-70-PST-WS	12050203	\$3.49
C-09	PL-70-PHS-WW	12050207	\$1.89
C-09	PL-70-PHS-WS	12050208	\$2.26
C-09	PL-80-PST-WW	12050600	\$6.23
C-09	PL-80-PST-WS	12050601	\$6.43
C-09	PL-80-PHS-WW	12050605	\$3.51
C-09	PL-80-PHS-WS	12050606	\$3.89
C-09	PL-100-PST-WW	12050610	\$8.91
C-09	PL-100-PST-WS	12050612	\$9.19
C-09	PL-100-PHS-WW	12050614	\$6.24
C-09	PL-100-PHS-WS	12050615	\$6.62
C-09	3/4-B	12060012	\$4.25

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C-09	3/4-B	12060012	\$4.25
C-09	3/4-B	12060012	\$4.25
C-09	3/4-BU **	12060015	\$6.62
C-09	3/4WYE-BLACK	12060024	\$3.76
C-09	3/4WYE-BLACK	12060024	\$3.76
C-09	3/4WYE-BLACK	12060024	\$3.76
C-09	3/4-BU-AG	12060026	\$11.09
C-09	3/4-BU-AG	12060026	\$11.09
C-09	3/4-BU-AG	12060026	\$11.09
C-09	3/4-GB	12062047	\$2.22
C-09	3/4-GB	12062047	\$2.22
C-09	3/4-GB	12062047	\$2.22
C-09	AS-1/2-1-1/2	12080035	\$1.22
C-09	AS-1/2-2	12080036	\$1.22
C-09	AS-1/2-2-1/2	12080037	\$1.22
C-09	AS-1/2-3	12080038	\$1.22
C-09	AS-1/2-4	12080039	\$1.22
C-09	AS-1/2-5	12080040	\$1.22
C-09	AS-1/2-6	12080041	\$1.22
C-09	AS-1-4	12080043	\$1.48
C-09	AS-1-5	12080044	\$1.48
C-09	AS-1-6	12080045	\$1.48
C-09	AS-1-8	12080046	\$1.48
C-09	AS-3/4-10	12080047	\$1.30
C-09	AS-3/4-2	12080049	\$1.30
C-09	AS-3/4-2 1/2	12080050	\$1.30
C-09	AS-3/4-3	12080051	\$1.30
C-09	AS-3/4-4	12080052	\$1.30
C-09	AS-3/4-5	12080053	\$1.30
C-09	AS-3/4-6	12080054	\$1.30
C-09	AS-3/4-8	12080055	\$1.30
C-09	*400-GRO	12290031	\$0.52
C-09	*700-GRO	12290032	\$0.86
C-09	*700-GRO	12290032	\$0.86
C-09	PL-55-PST-WW	72050302	\$3.25
C-09	PL-55-PHS-WW	72050307	\$1.91
C-09	PL-55-PST-WS	72050315	\$4.10
C-09	PL-55-PHS-WS	72050316	\$2.15
C-10	3/4-B	12060012	\$4.25
C-10	3/4-BU	12060015	\$6.62
C-10	3/4WYE-BLACK	12060024	\$3.76
C-10	3/4-BU-AG	12060026	\$11.09
C-10	SAS-1JU	12060043	\$12.86

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C-10	SAS-3	12060044	\$14.09
C-10	3/4-GB	12062047	\$2.22
C-10	440VLBB	72500289	\$3.24
C-10	446VLBB	72501099	\$3.74
C-10	770VLBB	72501100	\$6.40
C-10	880VLBB	72501101	\$8.48
C-11	CPT-06-LS	12030022	\$0.75
C-11	CPT-09-LS	12030024	\$1.28
C-11	CPT-14-LS	12030025	\$5.76
C-11	CPT-09-LSO	12030032	\$1.29
C-11	CPT-06-LSO	12030062	\$0.77
C-11	LST-06-LS-WS	12030072	\$3.90
C-11	LST-06-LS-WW	12030073	\$3.51
C-11	TEE-06-LS	12030092	\$2.81
C-11	TEE-06-LSL1/2	12030097	\$4.80
C-11	TEE-06-LSL600	12030100	\$2.76
C-11	CPT-11-LS	12030135	\$3.32
C-11	CPT-10-LS	12030171	\$2.52
C-12	CSP-06-LS350	12030029	\$1.69
C-12	CSP-06-LS400	12030030	\$1.69
C-12	CSP-06-LS600	12030033	\$1.69
C-12	CSP-06-LS700	12030035	\$1.69
C-12	CSP-06-LS710	12030036	\$1.69
C-12	CSP-09-LS600	12030041	\$2.44
C-12	CSP-09-LS710	12030043	\$2.44
C-12	CSP-09-LS1-900	12030047	\$2.44
C-12	ELL-06-LS	12030049	\$2.51
C-12	END-06-LSC	12030053	\$1.50
C-12	END-09-LSC	12030054	\$2.01
C-12	FHS-06-LS-WS	12030070	\$2.57
C-12	FHS-06-LS-WW	12030071	\$2.19
C-12	SSP-06-LS	12030085	\$1.22
C-12	SSP-09-LS	12030087	\$1.54
C-12	SSP-09-LS1	12030088	\$1.59
C-12	SSP-09-LS2	12030089	\$1.92
C-12	SSP-14-LS2	12030090	\$3.49
C-12	SSP-10-LS	12030111	\$1.83
C-12	FPS-06-LS-WW	12030134	\$3.72
C-12	SSP-11-LS1	12030136	\$5.53
C-12	END-11-LSC	12030138	\$5.25
C-12	ELL-09-LS	12030146	\$5.93
C-12	CSP-11-LS1-900	12030147	\$3.10
C-12	FHS-09-LS-WW	12030151	\$4.40

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C-12	SSP-10-LS1	12030188	\$1.91
C-12	END-10-LSC	12030189	\$2.30
C-12	FHS-10-LS-WW	12030192	\$2.61
C-12	SSP-10-LS2	12030194	\$2.23
C-12	FHS-11-LS-WW	12030212	\$0.00
C-12	SSP-11-LS2	12030214	\$2.77
C-13	FHC-09-LSO	12030031	\$3.12
C-13	FHC-06-LS	12030063	\$1.56
C-13	FHC-06-PLUG	12030064	\$1.46
C-13	FHC-09-LS	12030065	\$2.50
C-13	FHC-1-06-LS	12030066	\$2.39
C-13	FHC-06-LSO	12030067	\$1.90
C-14	MA-06-LS1	12030017	\$1.17
C-14	BASF-09-LS	12030040	\$3.08
C-14	FCH-06-LS-L	12030058	\$2.62
C-14	FCH-09-LS-L	12030060	\$3.15
C-14	MA-06-LS	12030076	\$1.05
C-14	MA-09-LS1	12030077	\$1.54
C-14	MA-09-LS2	12030078	\$2.41
C-14	MHT-06-LS	12030081	\$1.59
C-14	MHT-09-LS	12030082	\$2.16
C-14	WYE-06-MHT	12030109	\$3.29
C-14	BASF-11-LS	12030137	\$4.44
C-14	BASF-10-LS	12030186	\$3.21
C-14	MHT-10-LS	12030191	\$1.83
C-14	MA-10-LS1	12030195	\$1.81
C-14	MA-10-LS2	12030197	\$0.00
C-14	MHT-11-LS	12030210	\$2.64
C-14	MA-11-LS1	12030216	\$2.67
C-14	MA-11-LS2	12030217	\$0.00
C-14	END-BV-06-LS	12030612	\$5.67
C-14	END-BV-09-LS	12030912	\$5.96
C-14	END-BV-11-LS	12031112	\$14.98
C-15	T5B400-18	11230028	\$1.82
C-15	T5B400-12	11230032	\$2.23
C-15	T5B4000-12	11230040	\$1.91
C-15	T5B4000-18	11231203	\$1.82
C-15	400B-06-LSO	12030002	\$0.73
C-15	250B-06-LS	12030004	\$0.71
C-15	400B-06-LS	12030008	\$0.71
C-15	420BV-06-LS	12030011	\$2.91
C-15	700B-06-LS	12030014	\$0.80
C-15	700B-09-LS	12030015	\$1.45

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C-15	CPT-BV-09-LS	12030048	\$11.75
C-15	520I-06-LS	12030112	\$0.61
C-15	SSP-BV-06-LS	12030117	\$6.97
C-15	SSP-BV-09-LS	12030118	\$7.30
C-15	SSP1-BV-09-LS	12030119	\$9.08
C-15	CPT-BV-06-LS	12030131	\$8.21
C-15	250B-BV-06-LS	12030160	\$10.86
C-15	400B-BV-06-LS	12030165	\$11.29
C-15	700B-10-LS	12030173	\$2.69
C-15	PT50-BV-06-LS	12030175	\$10.23
C-15	PT75-BV-06-LS	12030177	\$9.97
C-15	1000B-11-LS	12030206	\$0.00
C-15	T7B7000-18	12031100	\$4.89
C-15	T7B7000-24	12031101	\$5.01
C-15	T7B700-18	12031191	\$4.76
C-15	T7B700-36	12031192	\$5.08
C-15	T7B700-24	12031194	\$4.89
C-15	T5B400-24	12031205	\$1.85
C-15	T5B4000-24	12031206	\$2.09
C-15	T7B7000-36	12031224	\$5.08
C-16	1/2-IPS-CL24	11210017	\$2.95
C-16	1/2-IPS-CL30	11210020	\$3.77
C-16	1/2-IPS-CL36	11210021	\$4.29
C-16	1/2-IPS-CL42	11210023	\$5.12
C-16	1/2-IPS-CL48	11210025	\$5.42
C-16	1/2-IPS-CL60	11210028	\$7.72
C-16	1/2-IPS-CL72	11210029	\$8.82
C-16	1-IPS-CL24	11210046	\$6.59
C-16	1-IPS-CL30	11210047	\$8.37
C-16	1-IPS-CL36	11210048	\$10.56
C-16	1-IPS-CL48	11210050	\$17.36
C-16	3/4-IPS-CL24	11210071	\$3.38
C-16	3/4-IPS-CL30	11210074	\$4.21
C-16	3/4-IPS-CL36	11210077	\$5.12
C-16	3/4-IPS-CL42	11210079	\$5.83
C-16	3/4-IPS-CL48	11210081	\$6.83
C-16	3/4-IPS-CL60	11210085	\$8.82
C-16	3/4-IPS-CL72	11210087	\$11.09
C-16	*1000-GRO	12020002	\$3.30
C-16	SSP-14-LS2	12030090	\$3.49
C-16	SSP-10-LS	12030111	\$1.83
C-16	SSP-11-LS1	12030136	\$5.53
C-16	SSP-10-LS1	12030188	\$1.91

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C-16	SSP-10-LS2	12030194	\$2.23
C-16	SSP-11-LS2	12030214	\$2.77
C-16	1/2-MHA	12040003	\$0.99
C-16	1000-PIA	12040006	\$2.06
C-16	3/4-MHA	12040028	\$1.15
C-16	3/4-MHS	12040029	\$0.97
C-16	400-PIA	12040044	\$0.76
C-16	700-PIA	12040061	\$0.85
C-16	700-PIA-1	12040092	\$1.51
C-16	AS-1/2-1-1/2	12080035	\$1.22
C-16	AS-1/2-2	12080036	\$1.22
C-16	AS-1/2-2-1/2	12080037	\$1.22
C-16	AS-1/2-3	12080038	\$1.22
C-16	AS-1/2-4	12080039	\$1.22
C-16	AS-1/2-5	12080040	\$1.22
C-16	AS-1/2-6	12080041	\$1.22
C-16	AS-1-4	12080043	\$1.48
C-16	AS-1-5	12080044	\$1.48
C-16	AS-1-6	12080045	\$1.48
C-16	AS-1-8	12080046	\$1.48
C-16	AS-3/4-10	12080047	\$1.30
C-16	AS-3/4-2	12080049	\$1.30
C-16	AS-3/4-2 1/2	12080050	\$1.30
C-16	AS-3/4-3	12080051	\$1.30
C-16	AS-3/4-4	12080052	\$1.30
C-16	AS-3/4-5	12080053	\$1.30
C-16	AS-3/4-6	12080054	\$1.30
C-16	AS-3/4-8	12080055	\$1.30
C-16	1-MHA	12290011	\$1.51
C-16	*400-GRO	12290031	\$0.52
C-16	*700-GRO	12290032	\$0.86
C-16	*700-GRO	12290032	\$0.86
C-17	600-C3T	12010210	\$1.35
C-17	600-C3TM	12010211	\$2.82
C-17	600-CST-WS	12010243	\$2.09
C-17	600-CST-WW	12010244	\$1.97
C-17	700-C3T	12010296	\$1.35
C-17	700-C3TM	12010297	\$3.16
C-17	700-CST-WS	12010331	\$2.09
C-17	700-CST-WW	12010332	\$1.97
C-17	710-C3T	12010348	\$1.35
C-17	710-C3TM	12010349	\$2.98
C-17	710-CST-WS	12010383	\$2.09



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C-17	800-C3T	12010426	\$2.77
C-17	800-C3TM	12010428	\$6.57
C-17	800-CST-WS	12010456	\$4.03
C-17	800-CST-WW	12010458	\$3.91
C-17	900-C3T	12010499	\$2.77
C-17	900-C3TM	12010501	\$6.57
C-17	900-CST-WS	12010531	\$4.03
C-17	900-CST-WW	12010533	\$3.91
C-18	600-CELL	12010220	\$1.35
C-18	600-CELL-SN-WS	12010224	\$2.94
C-18	600-CELL-SN-WW	12010225	\$2.81
C-18	600-CSTV-WS	12010241	\$8.15
C-18	600-CSTV-WW	12010242	\$9.19
C-18	700-CELL	12010307	\$1.35
C-18	700-CELL-SN-WS	12010311	\$3.14
C-18	700-CELL-SN-WW	12010312	\$2.83
C-18	700-CSTV-WS	12010329	\$9.60
C-18	700-CSTV-WW	12010330	\$9.19
C-18	710-CELL	12010359	\$1.35
C-18	710-CELL-SN-WS	12010363	\$3.12
C-18	710-CELL-SN-WW	12010364	\$2.83
C-18	710-CSTV-WS	12010381	\$9.60
C-18	710-CSTV-WW	12010382	\$9.19
C-18	800-CELL	12010438	\$1.91
C-18	800-CSTV-WS	12010454	\$11.88
C-18	800-CSTV-WW	12010455	\$11.48
C-18	900-CELL	12010511	\$1.91
C-18	900-CSTV-WS	12010528	\$11.88
C-18	900-CSTV-WW	12010530	\$11.48
C-19	400-CC	12010108	\$0.89
C-19	600-CC	12010214	\$0.89
C-19	600-CEFCH-H	12010218	\$3.45
C-19	600-CEFCH-L	12010219	\$3.45
C-19	600-CMA	12010234	\$1.22
C-19	700-CC	12010301	\$0.89
C-19	700-CEFCH-H	12010305	\$3.45
C-19	700-CEFCH-L	12010306	\$3.45
C-19	700-CMA	12010321	\$1.22
C-19	710-CC	12010353	\$0.89
C-19	710-CEFCH-H	12010357	\$3.45
C-19	710-CEFCH-L	12010358	\$3.45
C-19	710-CMA	12010373	\$1.22

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C-19	790-CCG	12010408	\$3.38
C-19	800-CC	12010431	\$1.22
C-19	800-CEFCH-H	12010436	\$4.72
C-19	800-CEFCH-L	12010437	\$4.72
C-19	800-CMA	12010450	\$1.77
C-19	900-CC	12010504	\$1.22
C-19	900-CEFCH-H	12010509	\$4.72
C-19	900-CEFCH-L	12010510	\$4.72
C-19	900-CMA	12010523	\$1.74
C-20	400-CE	12010109	\$1.37
C-20	600-CE	12010215	\$0.87
C-20	600-CETC	12010226	\$1.35
C-20	600-CHS-WS	12010232	\$1.74
C-20	600-CHS-WW	12010233	\$1.41
C-20	600-CRMA	12010236	\$1.03
C-20	700-CE	12010303	\$0.87
C-20	700-CETC	12010313	\$1.35
C-20	700-CHS-WS	12010319	\$1.74
C-20	700-CHS-WW	12010320	\$1.41
C-20	700-CRMA	12010323	\$1.03
C-20	710-CE	12010354	\$0.87
C-20	710-CETC	12010365	\$1.35
C-20	710-CHS-WS	12010371	\$1.74
C-20	710-CHS-WW	12010372	\$1.41
C-20	710-CRMA	12010375	\$1.03
C-20	790-CE	12010409	\$2.71
C-20	800-CE	12010433	\$2.56
C-20	800-CETC	12010443	\$2.65
C-20	800-CHS-WS	12010448	\$3.07
C-20	800-CHS-WW	12010449	\$2.75
C-20	900-CE	12010506	\$1.52
C-20	900-CETC	12010516	\$2.12
C-20	900-CHS-WS	12010521	\$3.07
C-20	900-CHS-WW	12010522	\$2.75
C-20	900X700-RCC*	12010541	\$2.50
C-20	900X710-RCC*	12010544	\$2.50
C-21	1000-CA-1A	12010008	\$1.50
C-21	250-CA	12010065	\$0.34
C-21	350-CA	12010083	\$0.34
C-21	400-CA	12010107	\$0.34
C-21	435-CA	12010139	\$0.34
C-21	600-CA	12010213	\$0.34
C-21	700-CA	12010299	\$0.34

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Page	Model #	Part #	Price
C-21	710-CA	12010351	\$0.34
C-21	790-CA	12010407	\$0.57
C-21	800-CA	12010430	\$0.57
C-21	900-CA	12010503	\$0.57
C-21	P710CPS	72500948	\$4.81
C-21	P700A	72500993	\$0.99
C-21	P700SA	72500994	\$0.99
C-21	P710SA	72500997	\$1.02
C-21	P900A	72501001	\$2.20
C-21	P600CPS	72501086	\$1.43
C-21	P700CPS	72501089	\$5.38
C-22	1/2-IPS-CL24	11210017	\$2.95
C-22	1/2-IPS-CL30	11210020	\$3.77
C-22	1/2-IPS-CL36	11210021	\$4.29
C-22	1/2-IPS-CL42	11210023	\$5.12
C-22	1/2-IPS-CL48	11210025	\$5.42
C-22	1/2-IPS-CL60	11210028	\$7.72
C-22	1/2-IPS-CL72	11210029	\$8.82
C-22	1-IPS-CL24	11210046	\$6.59
C-22	1-IPS-CL30	11210047	\$8.37
C-22	1-IPS-CL36	11210048	\$10.56
C-22	1-IPS-CL48	11210050	\$17.36
C-22	3/4-IPS-CL24	11210071	\$3.38
C-22	3/4-IPS-CL30	11210074	\$4.21
C-22	3/4-IPS-CL36	11210077	\$5.12
C-22	3/4-IPS-CL42	11210079	\$5.83
C-22	3/4-IPS-CL48	11210081	\$6.83
C-22	3/4-IPS-CL60	11210085	\$8.82
C-22	3/4-IPS-CL72	11210087	\$11.09
C-22	600-CHS-WS	12010232	\$1.74
C-22	600-CHS-WW	12010233	\$1.41
C-22	600-CST-WS	12010243	\$2.09
C-22	600-CST-WW	12010244	\$1.97
C-22	700-CHS-WS	12010319	\$1.74
C-22	700-CHS-WW	12010320	\$1.41
C-22	700-CST-WS	12010331	\$2.09
C-22	700-CST-WW	12010332	\$1.97
C-22	710-CHS-WS	12010371	\$1.74
C-22	710-CHS-WW	12010372	\$1.41
C-22	710-CST-WS	12010383	\$2.09
C-22	710-CST-WW	12010384	\$1.97
C-22	800-CHS-WS	12010448	\$3.07
C-22	800-CHS-WW	12010449	\$2.75

Page	Model #	Part #	Price
C-22	800-CST-WS	12010456	\$4.03
C-22	800-CST-WW	12010458	\$3.91
C-22	900-CHS-WS	12010521	\$3.07
C-22	900-CHS-WW	12010522	\$2.75
C-22	900-CST-WS	12010531	\$4.03
C-22	900-CST-WW	12010533	\$3.91
C-22	*MSTV-WW	12010562	\$6.27
C-22	*MST-WS	12010563	\$2.09
C-22	*MST-WW	12010564	\$1.66
C-22	3/4MHAMSTWW	12010570	\$2.45
C-22	*1000-GRO	12020002	\$3.30
C-22	1/2-MHA	12040003	\$0.99
C-22	1000-PIA	12040006	\$2.06
C-22	3/4-MHA	12040028	\$1.15
C-22	3/4-MHS	12040029	\$0.97
C-22	400-PIA	12040044	\$0.76
C-22	700-PIA	12040061	\$0.85
C-22	700-PIA-1	12040092	\$1.51
C-22	3/4-B	12060012	\$4.25
C-22	3/4-B	12060012	\$4.25
C-22	3/4-B	12060012	\$4.25
C-22	3/4-BU**	12060015	\$6.62
C-22	3/4WYE-BLACK	12060024	\$3.76
C-22	3/4WYE-BLACK	12060024	\$3.76
C-22	3/4WYE-BLACK	12060024	\$3.76
C-22	3/4-BU-AG	12060026	\$11.09
C-22	3/4-BU-AG	12060026	\$11.09
C-22	3/4-BU-AG	12060026	\$11.09
C-22	3/4-GB	12062047	\$2.22
C-22	3/4-GB	12062047	\$2.22
C-22	3/4-GB	12062047	\$2.22
C-22	AS-1/2-1-1/2	12080035	\$1.22
C-22	AS-1/2-2	12080036	\$1.22
C-22	AS-1/2-2-1/2	12080037	\$1.22
C-22	AS-1/2-3	12080038	\$1.22
C-22	AS-1/2-4	12080039	\$1.22
C-22	AS-1/2-5	12080040	\$1.22
C-22	AS-1/2-6	12080041	\$1.22
C-22	AS-1-4	12080043	\$1.48
C-22	AS-1-5	12080044	\$1.48
C-22	AS-1-6	12080045	\$1.48
C-22	AS-1-8	12080046	\$1.48
C-22	AS-3/4-10	12080047	\$1.30

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Page	Model #	Part #	Price
C-22	AS-3/4-2	12080049	\$1.30
C-22	AS-3/4-2 1/2	12080050	\$1.30
C-22	AS-3/4-3	12080051	\$1.30
C-22	AS-3/4-4	12080052	\$1.30
C-22	AS-3/4-5	12080053	\$1.30
C-22	AS-3/4-6	12080054	\$1.30
C-22	AS-3/4-8	12080055	\$1.30
C-22	1-MHA	12290011	\$1.51
C-22	*400-GRO	12290031	\$0.52
C-22	*700-GRO	12290032	\$0.86
C-22	*700-GRO	12290032	\$0.86
C-23	400Bx520-I	12030009	\$0.73
C-23	400-TB	12040046	\$0.47
C-23	700-TB	12040063	\$0.60
C-23	ELO12	12290076	\$0.50
C-23	TO12	12290077	\$0.57
C-23	JO16	12290078	\$0.41
C-23	ELO16	12290079	\$0.57
C-23	TO16	12290080	\$0.64
C-23	JI16	12290082	\$0.59
C-23	ELI16	12290083	\$0.78
C-23	TI16	12290084	\$0.82
C-23	JO20	12290085	\$0.70
C-23	ELO20	12290086	\$0.87
C-23	TO20	12290087	\$0.93
C-24	170-TB	12290009	\$0.17
C-24	250-TB	12290012	\$0.28
C-24	47-TB	17097032	\$0.18
C-24	L250	72015079	\$0.18
C-24	C125	72290006	\$0.15
C-24	AL050MA	72291010	\$0.82
C-24	AL075MA	72291011	\$0.83
C-24	ALCOUP	72291013	\$0.31
C-24	ALMPTEL	72291014	\$0.83
C-24	ALELB	72291022	\$0.86
C-24	ALY3/4	72291025	\$1.65
C-24	ALSTAR	72291026	\$1.65
C-24	ALCROSS	72291027	\$1.65
C-24	AL075FTEE	72291028	\$2.06
C-24	AL1FTEE	72291029	\$2.06
C-24	PRA1032	72500492	\$0.22
C-24	PRAB170	72500493	\$0.22
C-24	T125	72500541	\$0.29

Page	Model #	Part #	Price
C-24	T250	72500542	\$0.20
C-24	C250	72501964	\$0.17
C-24	ALTEE	77291024	\$0.85
C-25	1000-PIA	12040006	\$2.06
C-25	250-PIA-S	12040019	\$0.70
C-25	400-CPIA-400	12040035	\$1.25
C-25	400-CPIA-600	12040039	\$1.25
C-25	400-CPIA-700	12040041	\$1.25
C-25	400-PIA	12040044	\$0.76
C-25	400-PIA-S	12040045	\$0.76
C-25	700-CPIA-600	12040056	\$1.34
C-25	700-CPIA-710	12040058	\$1.34
C-25	700-PIA	12040061	\$0.85
C-25	700-PIA-S	12040062	\$0.85
C-25	700-PIA-1	12040092	\$1.51
C-25	TJI16	12290091	\$0.75
C-25	TEI16	12290092	\$1.71
C-25	TTI16	12290093	\$1.54
C-25	TSAI16	12290095	\$2.19
C-26	3/4-CSS	12010001	\$1.03
C-26	3/4-90-MHA	12010002	\$2.42
C-26	1/2-CSS	12010004	\$0.75
C-26	1/2-90-MHA	12010005	\$2.19
C-26	1/2-MA	12040002	\$1.22
C-26	1/2-MHA	12040003	\$0.99
C-26	3/4-MHA	12040028	\$1.15
C-26	3/4-MHS	12040029	\$0.97
C-26	1-MHA	12290011	\$1.51
C-26	660SWCHP	12501078	\$6.56
C-26	FAM-H5P	72500379	\$3.56
C-26	FAM-5075	72500803	\$1.25
C-26	FAM-H3P	72500806	\$1.25
C-27	MSTV-WW	12010562	\$6.27
C-27	MST-WS	12010563	\$2.09
C-27	MST-WW	12010564	\$1.66
C-27	3/4-MHA-MST-WW	12010570	\$2.45
C-27	3/4-FHS-1-WS	12040023	\$2.64
C-27	3/4-FHS-1-WW	12040024	\$2.08
C-27	3/4-FHS-WS	12040025	\$2.25
C-27	3/4-FHS-WW	12040026	\$1.90
C-27	350-TPAG	12040032	\$1.95
C-27	400-TPA	12040047	\$1.59
C-27	600-TPA	12040051	\$1.59

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Page	Model #	Part #	Price
C-27	SAS-A	12040085	\$1.09
C-28	BV-005S	12220001	\$2.61
C-28	BV-007S	12220010	\$3.52
C-28	BV-010S	12220020	\$5.35
C-28	BV-012S	12220030	\$7.35
C-28	BV-015S	12220040	\$9.11
C-28	BV-020S	12220050	\$13.67
C-28	BV-025S	12220055	\$44.24
C-28	BV-030S	12220060	\$69.61
C-28	BV-040S	12220070	\$123.59
C-28	BV-060S	12220080	\$390.77
C-28	BV-005T	12220100	\$2.61
C-28	BV-007T	12220110	\$3.52
C-28	BV-010T	12220120	\$5.35
C-28	BV-012T	12220130	\$7.35
C-28	BV-015T	12220140	\$9.11
C-28	BV-020T	12220150	\$13.67
C-28	BV-025T	12220155	\$44.24
C-28	BV-030T	12220160	\$69.61
C-28	BV-040T	12220170	\$123.59
C-29	AS-1/2-1-1/2*	12080035	\$1.22
C-29	AS-1/2-2	12080036	\$1.22
C-29	AS-1/2-2-1/2	12080037	\$1.22
C-29	AS-1/2-3	12080038	\$1.22
C-29	AS-1/2-4	12080039	\$1.22
C-29	AS-1/2-5	12080040	\$1.22
C-29	AS-1/2-6	12080041	\$1.22
C-29	AS-1-4	12080043	\$1.48
C-29	AS-1-5	12080044	\$1.48
C-29	AS-1-6	12080045	\$1.48
C-29	AS-1-8	12080046	\$1.48
C-29	AS-3/4-10	12080047	\$1.30
C-29	AS-3/4-2	12080049	\$1.30
C-29	AS-3/4-2 1/2	12080050	\$1.30
C-29	AS-3/4-3	12080051	\$1.30
C-29	AS-3/4-4	12080052	\$1.30
C-29	AS-3/4-5	12080053	\$1.30
C-29	AS-3/4-6	12080054	\$1.30
C-29	AS-3/4-8	12080055	\$1.30
C-29	AS-1-3	12080059	\$1.48

“The Raphael Valve is the only one I will use. I can easily set the pressure to exactly what I want and it doesn’t change. The valves function well over time and are very dependable.”

**Henry Nightengale,**  
Nightengale Farms, Sublette, KS

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<b>D-04</b>	Performance Charts and Sizing	<b>D-13</b>	Finger Filters and Specialty Valves
<b>D-06</b>	Jain Hydraulic Valve Pricing Table	<b>D-14</b>	Diaphragms
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# Jain Hydraulic Valve Functions

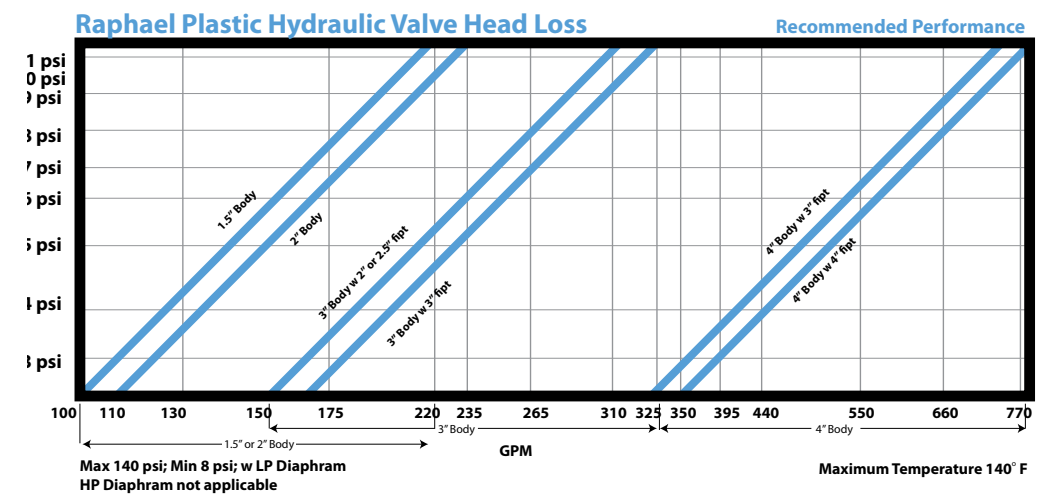
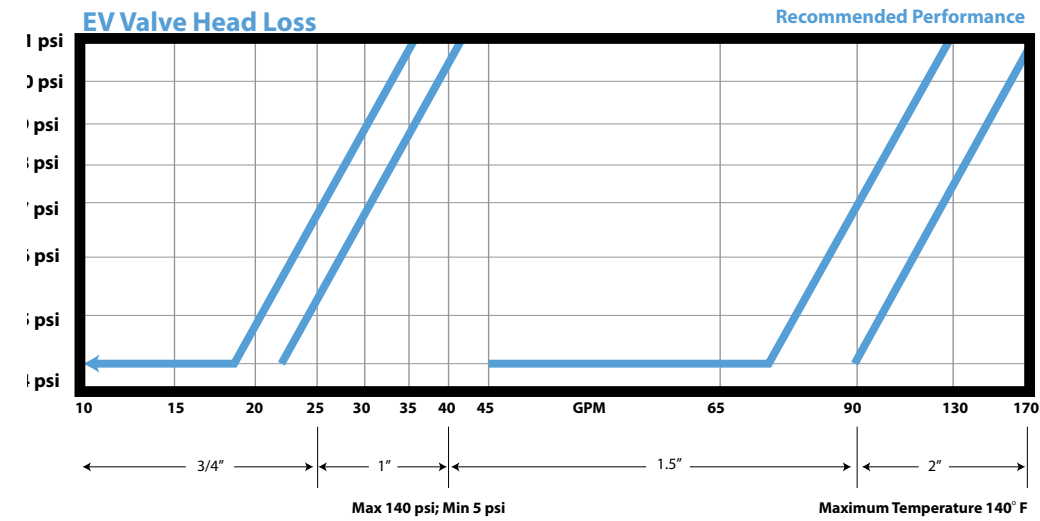
- Select the desired valve function from the table below
- Size the valve body using the performance charts
- Use the valve body and valve function on the price table to find list price.
- Order the exact model using the Model Builder below

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 with 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. It reacts quickly but is more susceptible to dirty water plugging.
2PR	Pressure Reducing valve, this is the 2 way version of the PRM valve less the 3 way selector. It reacts quickly but is more susceptible to dirty water plugging.
2PR2PS	Pressure Sustaining and Pressure Reducing valve. This is the 2 way version of the 2PS & 2PR It reacts quickly but is more susceptible to dirty water plugging.

Other functions available by special order.

# Performance Charts and Sizing

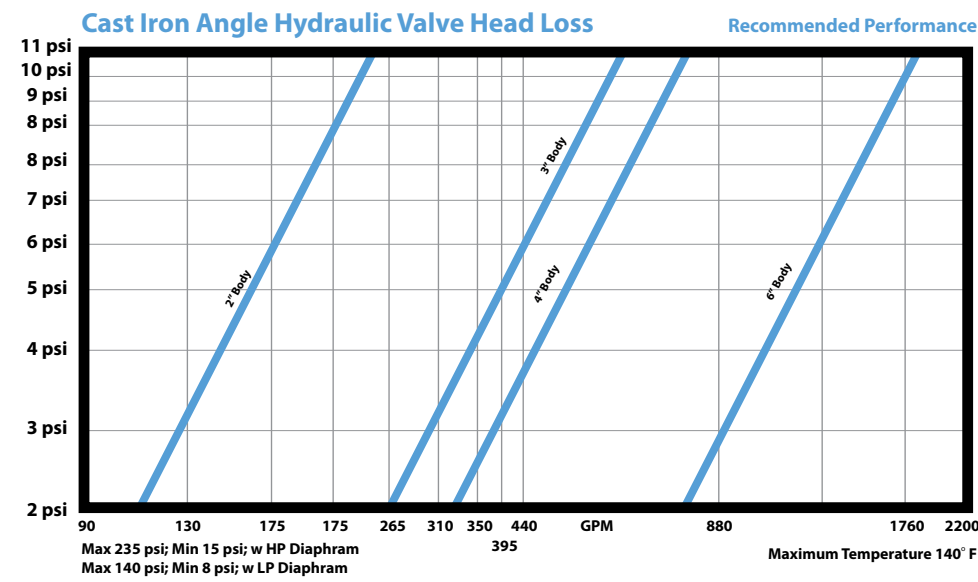
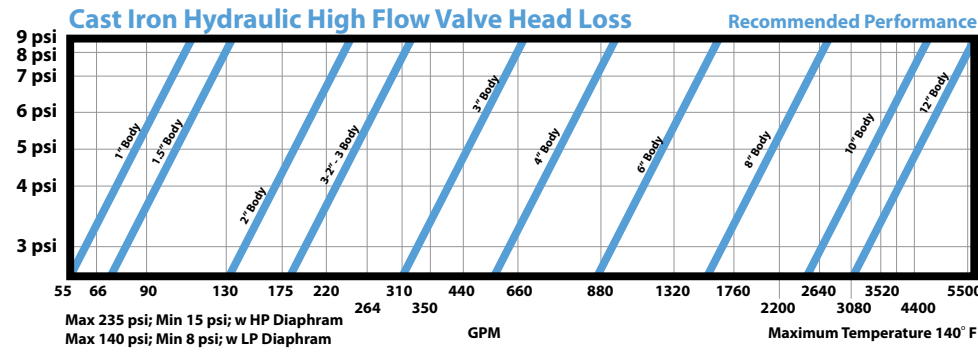
Locate design flow on the lower horizontal axis. Move vertically until you hit a red line. This line indicates the value size you should use. If you can continue vertically and intersect another red line this line also indicates a valid valve size. The higher line is less expensive but has more head loss. The lower line is more expensive but has less head loss. Move horizontally to the left from the point of intersection to read the corresponding head loss on the left vertical axis.



# JAIN Hydraulic Valves Sizing

# Model Builder

VALVES



VALVES

BODY				COMPONENTS					OPTIONS								
Material	Size		Connection	Diaphragm	Manual Selector	Hydraulic Relay	Pilot #1	Pilot #2	Solenoid	Cu tube and fittings	Exterior filter	Gauges	Needle valves	Iso valves	Psh-Lk fittings	SS sleeves	Accelerator
C	3	2	3	T	M	PS	S	S1		c	f	g	n	i	p	b	a

**Material Construction**  
 P = Plastic  
 C = Cast Iron  
 A = Cast Iron Angle

**Size:** 0.75" = 007, 1" = 010, 1.5" = 015, 2" = 020  
 2" body 3" ports = 323, 3" = 030, 4" = 040,  
 6" = 060, 8" = 080, 10" = 100, 12" = 120

**Solenoid:**  
 Enter code from table or no entry for none

**Pilot #2:**  
 Enter code from table or no entry for none

**Pilot #2:**  
 Enter code from table or no entry for none

**Hydraulic Relay:**  
 Enter code from table or no entry for none

**Manual Selector:**  
 M = yes  
 No entry = non

**Diaphragm**  
 L = Low Pressure ( 8 PSI-147 PSI)  
 h = High Pressure (15 PSI-235 PSI)  
 F = CL150 ANSI Flange

**Connection Type**  
 T = female NPT  
 G = IPS Grooved  
 F = CL150 ANSI Flange

**Options:** Enter the option letters desired.  
 c = Copper tube and Brass fittings  
 f\* = exterior filter/s  
 g\* = fixed gauge/s  
 n\* = needle valve/s  
 i\* = isolation valve/s  
 p = push-lock fittings  
 b = braided stainless steel sleeve tube protector  
 a = accelerator

\* Location; enter number below for location.  
 1 = upstream port  
 2 = down stream port  
 3 = both ports

These are optional extras. If the function requires a component. It will be supplied and there is not need to specify it as an option.

# Weight and Dimensions

Valve Body Weights and Dimensions						
Body Model	PN (L)	PN (h)	Wt (lbs)	Length (in)	Width (in)	Height (in)
P015T	14100009	x	2	7	5	4
P020T	14100010	x	2	8	5	4
P030T	14100025	x	3	9	6	6
P040T	14100027	x	10	13	10	8
P030G	14100026	x	3	9	6	6
P040G	14100200	x	10	12	10	8
P040F	14100033	x	17	20	10	9
C010T	14101008	14101021	3	6	4	3
C015T	14101009	14101023	4	6	4	3
C020T	14101000	14100120	8	7	5	4
C323T	14101010	pending	11	9	5	5
C030T	pending	14101020	24	11	8	5
C040T	pending	14101030	36	14	9	9
C020G	14101101	11401103	7	7	5	4
C323G	14101102	14101056	11	9	5	5
C030G	pending	14101110	24	11	8	5
C040G	pending	14101120	40	14	9	9
C060G	pending	14101122	73	16	12	9
C020F	14101055	14101056	17	7	6	6
C323F	14101047	14101048	24	9	8	7
C030F	14101040	14101025	39	11	8	8
C040F	pending	14101050	57	12	9	9
C060F	pending	14101060	101	16	12	12
C080F	pending	14101070	149	19	14	15
C100F	pending	14101080	244	25	18	17
C120F	pending	14101092	332	29	19	19
A020T	14101090	14101006	9	4	5	6
A323T	14101017	14101016	11	4	5	6
A030T	14101027	14101026	26	6	8	8
A040T	14101091	14101093	35	6	9	9
A020G	pending	14101106	9	4	5	6
A323G	14101101	14101116	10	4	5	6
A030G	14101107	14101117	24	6	8	8
A040G	14101108	14101118	34	6	9	9
A060G	14101109	14101119	70	8	12	12
A020F	pending	pending	18	4	6	0
A323F	pending	pending	26	6	8	0
A030F	14101057	14101041	42	6	8	1
A040F	14101058	14101051	58	7	9	1
A060F	14101069	pending	107	9	12	2
A080F	14101071	pending	138	9	14	2



# Component Selection Tables

## Hydraulic Relay Selection Table

Spring Color	Allowable Elevation Change	Valve regulating with control pressure & valve closed when not regulating	Valve regulating with control pressure & valve open when not regulating	Valve regulating without control pressure & valve closed when not regulating	Valve regulating without control pressure & 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

use NO relay for a NC valve; use NC relay for a NO valve; NO = Normally Open; NC = Normally Closed  
Normal condition is when there is no pressure at port 1 from control system



3-Way Pilots				
Valve	Pressure Regulating		Pressure Sustaining	
	Reg Range	Reg Range	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

\* = if >100psi use 3Ry

\*\* = if > 100psi use 3Sy

Brass 2-Way Pilots				
Valve	Pressure Reducing		Pressure Sustaining	
	Reg Range	Reg Range	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

\* = if > 175psi use 61Y

\*\* = if >140 psi use 81Y



ΔPmax = 50% if Pu > 150psi  
ΔPmax = 70% if 150psi > Pu > 100psi  
ΔPmax = 80% if Pu < 100psi

SOLENOIDS				
3-Way	N.O.		N.C.	
Add H for higher psi i.e. L2H	Valve Size		Valve Size	
		1"-4"	6"-12"	1"-4"
	1.4mm	2.4mm	1.4mm	2.4mm
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

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



Latching Solenoids						
			N.O.		N.C.	
			Valve Size		Valve Size	
			1"-2"	8"-12"	1"-2"	8"-12"
			1.6mm	2.4mm	1.6mm	2.4mm
C[μF]	V	Ω				
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

# Components

## Pilots, Hydraulic Relays and 3 way manual selector valves

Model #	Part #	Manual Selectors, Relays and Pilots	Unit Weight (oz)	Length (in)	Width (in)	Height (in)
<b>Manual Selector Valves</b>						
BK-3W-1/8	34100383	Vlv Ftg: Brs Vlv 3wy 1/4"mipt x (3) 1/8"fipt, 3.2mm	4.6	2	2	1.75
BK-3W-1/4	34100384	Vlv Ftg: Brs Vlv 3wy 1/4"mipt x (3) 1/4"fipt, 6mm	4.6	2	2	1.75
<b>Hydraulic Relays and Accessories</b>						
Ho	34100282	Vlv Rly: Plstc 1/8"fipt (no sprng)	3.5	3	2	2
Hy	34100275	Vlv Rly Acc: Sprng Ylw (16-32')	0.6	2	0.3	0.3
Hg	34100276	Vlv Rly Acc: Sprng Grn (32-45')	0.6	2	0.3	0.3
Hw	34100277	Vlv Rly Acc: Sprng Wht (45-55')	0.6	2	0.3	0.3
Hr	34100278	Vlv Rly Acc: Sprng Red (55-72')	0.6	2	0.3	0.3
<b>Pilots 3way Plastic and Accessories</b>						
PPo	34100463	Vlv Plt: Plstc 3wy Rdc or Sst 1/4"mipt & fipt (no sprng)	1.3	5	3.5	3.5
Pb	34100267	Vlv Plt Acc: Sprng Blu (8-22psi) for PPlt	1.6	2.8	1	1
Ps	34100269	Vlv Plt Acc: Sprng Slvr (15-100psi) for PPlt	1.6	2.8	1	1
PaT	34100298	Vlv Plt Acc: Mntg Tongue for PPo	0.3	2	0.4	0.1
<b>Pilots 3way Brass and Accessories</b>						
3Ro	34100455	Vlv Plt: Brs 3wy Rdc 1/4"fipt (no spring)	29.0	8	3	3
3So	34100456	Vlv Plt: Brs 3wy Sst 1/4"fipt (no spring)	29.0	8	3	3
Br	34100292	Vlv Plt Acc: Sprng Red (8-117psi) for Brs 3wy Plt, 2wy 62 & 82	1.7	3	1	1
Bg	34100291	Vlv Plt Acc: Sprng Grn (29-174psi) for Brs 3wy Plt, 2wy 62	1.7	3	1	1
By	34100290	Vlv Plt Acc: Sprng Ylw (16-235psi) for Brs 3wy Plt, 2wy 82	1.7	3	1	1
<b>Pilots 2way Brass for Valves &lt; 6" and Accessories</b>						
62o	34100452	Vlv Plt: Brs 2wy Rdc 1/4"fipt (no spring) for Vlvs < 6"	29.0	9	4	4
82o	34100454	Vlv Plt: Brs 2wy Sst 1/4"fipt (no spring) for Vlvs < 6" & psi < 140	29.0	9	4	4
Br	34100292	Vlv Plt Acc: Sprng Red (8-117psi) for Brs 3wy Plt, 2wy 62 & 82	1.7	3	1	1
By	34100290	Vlv Plt Acc: Sprng Ylw (16-235psi) for Brs 3wy Plt, 2wy 62	1.7	3	1	1
<b>Pilots 2way Brass for Valves &gt; 4" and Accessories</b>						
61r	34100451	Vlv Plt: Brs 2wy Rdc 1/4"fipt (no spring) for Vlvs > 4"	105.0	9	4	4
81o	34100454	Vlv Plt: Brs 2wy Sst 1/4"fipt (no spring) for Vlvs > 4"	64.0	9	4	4
B1r	34100295	Vlv Plt Acc: Sprng Red (8-88psi) for Brs 2wy 61 & 81 Plt	4.0	3	1	1
B1y	34100293	Vlv Plt Acc: Sprng Ylw (29-235psi) for Brs 2wy 61 & 81 Plt	4.0	3	1	1
<b>Pilot Brass Parts</b>						
44886	34100297	Vlv Plt Acc: Stl Mntg Brkt for Brs Plt	1.8	2	1	0.2
BRM2	34100570	Vlv Plt Acc: Stl Mntg Blt Pair for 2" CI	6.0	2	0.5	0.5
BRM3	34100571	Vlv Plt Acc: Stl Mntg Blt Pair for 3" CI	6.0	3	0.8	0.8
BRM4-8	34100572	Vlv Plt Acc: Stl Mntg Blt Pair for 4" CI	6.0	4	1	1
BRM10-12	34100575	Vlv Plt Acc: Stl Mntg Blt Pair for 10" CI	6.0	5	1	1



BK-3W



PP



3R, 3S



62



61



Ho

Model #	Part #	Standard Solenoides	Unit Wt. (oz)	Unit Cube (in <sup>3</sup> )	Max psi	Nom. Resist. (ohm)	Nom. Volt.	Volt max	Volt min	In-Rush (A)	Holding (A)	watt
<b>3-Way Normally Open</b>												
S1	14105300	Vlv Snd: 3wy NO 24VAC wo diode 1.2mm plstc 1/8"fipt Plstc Ovrde 2 wire	3	6	117	24	24	26.4	19.2	0.14	0.12	3
L1	14105320	Vlv Snd: 3wy NO 24VAC 2.4mm Brs 1/4"fipt Plstc Ovrde Mld Cable	9	9	117	9.3	24	26.4	21.6	0.45	0.41	10
S3	14105301	Vlv Snd: 3wy NO 110VAC wo diode 1.2mm plstc 1/8"fipt Plstc Ovrde 2 wire	3	6	117	820	110	121	88	0.02	0.01	2
L3	14105321	Vlv Snd: 3wy NO 110VAC 2.4mm Brs 1/4"fipt Plstc Ovrde Mld Cable	9	9	117	228	110	121	99	0.1	0.09	10
S5	14105302	Vlv Snd: 3wy NO 12VDC 1.2mm Plstc 1/8"fipt Plstc Ovrde 2 wire	3	6	117	32	12	13.2	9.6	0.375	0.375	4.5
L5	14105322	Vlv Snd: 3wy NO 12VDC 2.4mm Brs 1/4"fipt Plstc Ovrde Mld Cable	9	9	117	25	12	13.2	10.8	0.73	0.66	8
<b>Solenoids 3way Normally Closed</b>												
S2	14105303	Vlv Snd: 3wy NC 24VAC wo diode 1.2mm plstc 1/8"fipt Plstc Ovrde 2 wire	3	6	87	24	24	26.4	19.2	0.14	0.12	3
L2	14105323	Vlv Snd: 3wy NC 24VAC 2.4mm Brs 1/4"fipt Plstc Ovrde Mld Cable	9	9	147	7.6	24	26.4	21.6	0.45	0.41	10
S4	14105304	Vlv Snd: 3wy NC 110VAC wo diode 1.2mm plstc 1/8"fipt Plstc Ovrde 2 wire	3	6	87	28	110	121	88	0.02	0.01	2
L4	14105324	Vlv Snd: 3wy NC 110VAC 2.4mm Brs 1/4"fipt Plstc Ovrde, Mld Cable	9	9	147	165	110	121	99	0.1	0.09	10
S6	14105305	Vlv Snd: 3wy NC 12VDC 1.2mm plstc 1/8"fipt Plstc Ovrde 2 wire	3	6	73	32	12	13.2	9.6	0.38	0.38	5
L6	14105325	Vlv Snd: 3wy NC 12VDC 2.4mm Brs 1/4"fipt Plstc Ovrde Mld Cable	9	9	147	14.5	12	13.2	10.8	0.73	0.66	8
<b>Solenoids 2way Normally Open</b>												
S7	14105200	Vlv Snd: 2wy NO 24VAC 1.2mm plstc 1/8"fipt Plstc Ovrde 2 wire	9	6	367	7.6	24	26.4	19.2	0.2	0.14	4.5
L7	14105220	Vlv Snd: 2wy NO 24VAC 2.4mm Brs 1/4"fipt Plstc Ovrde Mld Cable	9	9	220	7.6	24	26.4	19.2	0.45	0.41	10
S9	14105201	Vlv Snd: 2wy NO 110VAC 1.2mm plstc 1/8"fipt Plstc Ovrde 2 wire	9	6	367	165	110	121	88	0.02	0.02	2
L9	14105221	Vlv Snd: 2wy NO 110VAC 2.4mm Brs 1/4"fipt Plstc Ovrde, Mld Cable	9	9	220	165	110	121	88	0.1	0.09	10
S11	14105202	Vlv Snd: 2wy NO 12VDC, 1.2mm plstc 1/8"fipt Plstc Ovrde 2 wire	9	6	367	14.5	12	13.2	9.6	0.375	0.375	4.5
L11	14105222	Vlv Snd: 2wy NO 12VDC 2.4mm Brs 1/4"fipt Plstc Ovrde Mld Cable	9	9	220	14.5	12	13.2	9.6	0.73	0.66	8
<b>Solenoids 2way Normally Closed</b>												
S8	14105203	Vlv Snd: 2wy NC 24VAC wo diode 1.2mm Plstc 1/8"fipt Plstc Ovrde 2 wire	3	6	175	24	24	26.4	19.2	0.2	0.14	5
L8	14105223	Vlv Snd: 2wy NC 24VAC 2.4mm Brs 1/4"fipt Plstc Ovrde Mld Cable	9	9	220	7.6	24	26.4	21.6	0.45	0.41	10
S10	14105204	Vlv Snd: 2wy NC 110VAC wo diode 1.2mm Plstc 1/8"fipt Plstc Ovrde 2 wire	3	6	175	820	110	121	88	0.02	0.02	2
L10	14105224	Vlv Snd: 2wy NC 110VAC 2.4mm Brs 1/4"fipt Plstc Ovrde Mld Cable	9	9	220	1195	110	121	99	0.1	0.09	10
S12	14105205	Vlv Snd: 2wy NC 12VDC 1.2mm plstc 1/8"fipt Plstc Ovrde 2 wire	3	6	175	32	12	13.2	9.6	0.375	0.375	2
L12	14105225	Vlv Snd: 2wy NC 12VDC 2.4mm Brs 1/4"fipt Plstc Ovrde Mld cable	9	9	220	14.5	12	13.2	10.8	0.73	0.66	8
<b>2way coils for EV valves</b>												
EV1	14103058	Vlv Prt: Snd Coil 2wy 24VAC NC wo diode for EV valve	3	3	176	36.5	24	26.4	19.2	0.09	0.08	2
EV2	14103057	Vlv Prt: Snd Coil 2wy 110VAC NC for EV Valve	3	3	176	820	110	121	88	0.2	0.02	2
EV3	14103076	Vlv Prt: Snd Coil 2wy 12VDC NC for EV Valve	3	3	176	32	12	13.2	9.6	0.8	0.375	4.5
EV4	14103059	Vlv Prt: Snd Coil 2wy Ltch 9Ω for EV valve G	3	3	176	9.1						2
EV5	14103077	Vlv Prt: Snd Coil 2wy Ltch 4Ω for EV valve B	3	3	176	4.1						2



# Parts

Model #	Part #	Description	Unit Weight (oz)	Unit Cube (in <sup>3</sup> )	Max Psi	Resistance (ohms)	Pulse (V)	Length (mS)
<b>Solenoids 3way Latching Normally Open</b>								
4S1	14105331	Vlv Slnd: 3wy NO Ltch 4Ω 1.2mm Plstc 1/8"fipt	3.3	6	117	4.1	6	30-50
9S1	14103055	Vlv Slnd: 3wy NO Ltch 9Ω 1.2mm Plstc 1/8"fipt	3.3	6	117	9.1	8	30-50
12S1	14105334	Vlv Slnd: 3wy NO Ltch 12Ω 1.2mm Plstc 1/8"fipt	3.3	6	117	12	9	30-50
23S1	14105336	Vlv Slnd: 3wy NO Ltch 23Ω 1.2mm Plstc 1/8"fipt	3.3	6	117	23	12	30-50
2L1	14105350	Vlv Slnd: 3wy NO Ltch 2Ω 2.4mm Brs 1/4"fipt	9.3	9	147	2	6	30-50
5L1	14105352	Vlv Slnd: 3wy NO Ltch 5Ω 2.4mm Brs 1/4"fipt	9.3	9	147	5	9	30-50
13L1	14105354	Vlv Slnd: 3wy NO Ltch 13Ω 2.4mm Brs 1/4"fipt	9.3	9	147	13	12	30-50
20L1	14105356	Vlv Slnd: 3wy NO Ltch 20Ω 2.4mm Brs 1/4"fipt	9.3	9	147	20	18	30-50
53L1	14105358	Vlv Slnd: 3wy NO Ltch 53Ω 2.4mm Brs 1/4"fipt	9.3	9	147	53	24	30-50
<b>Solenoids 3way Latching Normally Closed</b>								
4S2	14105332	Vlv Slnd: 3wy NC Ltch 4Ω 1.2mm Plstc 1/8"fipt	3.3	6	88	4.1	6	30-50
9S2	14105333	Vlv Slnd: 3wy NC Ltch 9Ω 1.2mm Plstc 1/8"fipt	3.3	6	88	9.1	6	30-50
12S2	14105335	Vlv Slnd: 3wy NC Ltch 12Ω 1.2mm Plstc 1/8"fipt	3.3	6	88	12	9	30-50
23S2	14105337	Vlv Slnd: 3wy NC Ltch 23Ω 1.2mm Plstc 1/8"fipt	3.3	6	88	23	12	30-50
2L2	14105351	Vlv Slnd: 3wy NC Ltch 2Ω 2.4mm Brs 1/4"fipt	9.3	9	147	2	6	30-50
5L2	14105353	Vlv Slnd: 3wy NC Ltch 5Ω 2.4mm Brs 1/4"fipt	9.3	9	147	5	9	30-50
13L2	14105355	Vlv Slnd: 3wy NC Ltch 13Ω 2.4mm Brs 1/4"fipt	9.3	9	147	13	12	30-50
20L2	14105357	Vlv Slnd: 3wy NC Ltch 20Ω 2.4mm Brs 1/4"fipt	9.3	9	147	20	18	30-50
53L2	14105359	Vlv Slnd: 3wy NC Ltch 53Ω 2.4mm Brs 1/4"fipt	9.3	9	147	53	24	30-50
<b>Solenoids 2way Latching Normally Open</b>								
2S3	14105360	Vlv Slnd: 2wy NO Ltch 4Ω 1.2mm Brs 1/8"fipt	9.3	6	235	2	6	30-50
9S3	14105362	Vlv Slnd: 2wy NO Ltch 9Ω 1.2mm Brs 1/8"fipt	9.3	6	235	5	9	30-50
12S3	14105364	Vlv Slnd: 2wy NO Ltch 12Ω 1.2mm Brs 1/8"fipt	9.3	6	235	12	12	30-50
23S3	14105366	Vlv Slnd: 2wy NO Ltch 23Ω 1.2mm Brs 1/8"fipt	9.3	6	235	23	18	30-50
53S3	14105368	Vlv Slnd: 2wy NO Ltch 53Ω 1.2mm Brs 1/8"fipt	9.3	6	235	53	24	30-50
2L3	14105380	Vlv Slnd: 2wy NO Ltch 2Ω 2.4mm Brs 1/4"fipt	9.3	9	220	2	6	30-50
5L3	14105382	Vlv Slnd: 2wy NO Ltch 5Ω 2.4mm Brs 1/4"fipt	9.3	9	220	5	9	30-50
13L3	14105384	Vlv Slnd: 2wy NO Ltch 13Ω 2.4mm Brs 1/4"fipt	9.3	9	220	13	12	30-50
20L3	14105386	Vlv Slnd: 2wy NO Ltch 20Ω 2.4mm Brs 1/4"fipt	9.3	9	220	20	18	30-50
53L3	14105388	Vlv Slnd: 2wy NO Ltch 53Ω 2.4mm Brs 1/4"fipt	9.3	9	220	53	24	30-50
<b>Solenoids 2way Latching Normally Closed</b>								
4S4	14105361	Vlv Slnd: 2wy NC Ltch 4Ω 1.2mm Plstc 1/8"fipt	3.3	6	176	4.1	6	30-50
9S4	14105363	Vlv Slnd: 2wy NC Ltch 9Ω 1.2mm Plstc 1/8"fipt	3.3	6	176	9.1	7.5	30-50
12S4	14105365	Vlv Slnd: 2wy NC Ltch 12Ω 1.2mm Plstc 1/8"fipt	3.3	6	176	12	9	30-50
23S4	14105367	Vlv Slnd: 2wy NC Ltch 23Ω 1.2mm Plstc 1/8"fipt	3.3	6	176	23	12	30-50
2L4	14105381	Vlv Slnd: 2wy NC Ltch 2Ω 2.4mm Brs 1/4"fipt	9.3	9	235	2	6	30-50
5L4	14105383	Vlv Slnd: 2wy NC Ltch 5Ω 2.4mm Brs 1/4"fipt	9.3	9	235	5	9	30-50
13L4	14105385	Vlv Slnd: 2wy NC Ltch 13Ω 2.4mm Brs 1/4"fipt	9.3	9	235	13	12	30-50
20L4	14105387	Vlv Slnd: 2wy NC Ltch 20Ω 2.4mm Brs 1/4"fipt	9.3	9	235	20	18	30-50
53L4	14105389	Vlv Slnd: 2wy NC Ltch 53Ω 2.4mm Brs 1/4"fipt	9.3	9	235	53	24	30-50



9S1



5L3

Model #	Part #	Fittings	Unit Weight (oz)	Unit Cube (in <sup>3</sup> )
<b>Finger Filters</b>				
FI-P-1/8-1/4	34100380	Vlv Ftg: Plstc Scrn 1/8"fipt x 1/4"mipt	0.3	1.6
FI-B-1/4-1/4	34100381	Vlv Ftg: Brs Scrn 1/4"fipt x 1/4"mipt	1.9	2.0
FI-B-1/4-1/2	34100382	Vlv Ftg: Brs Scrn 1/4"fipt x 1/2"mipt	2.4	2.9
<b>Specialty Valves</b>				
BK-1/4NP	34100388	Vlv Ftg: Brs Ball Valve 1/4" fipt x mipt	2.9	3.0
BK-1/2NP	34100389	Vlv Ftg: Brs Ball Valve 1/2" fipt x mipt	4.2	4.1
BM -1/4-33	34100387	Vlv Ftg: Brs Needle Valve 1/4" fipt	3.3	2.6
APS18	12070014	Vlv Ftg: Brs vlv Schrdr1/4" mipt	0.5	0.6
T-BORDER-PL	34100385	Vlv Ftg: Plstc T Chk (Shtl) 1/8" mipt x 8mmC	0.5	3.6
T-Border-1/4	34100386	Vlv Ftg: Brs T Chk (Shtl) 1/4" fipt	3.3	1.6



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 #	Fittings	Unit Weight (oz)	Unit Cube (in <sup>3</sup> )
<b>Metal Threaded Fittings</b>				
VFN18M	34100050	Vlv Ftg: Brs Nip TBE 1/8" mipt	0.3	0.3
VFN14M	34100052	Vlv Ftg: Brs Nip TBE 1/4" mipt	0.6	0.7
VFRN1418M	34100056	Vlv Ftg: Brs Nip Rdc TBE 1/4" x 1/8"	0.5	0.6
VFR1214M	34100076	Vlv Ftg: Brs RB 1/2" mipt x 1/4"fipt	1.6	1.0
VFTFFM18M	34100092	Vlv Ftg: Brs T Run 1/8"	1.9	1.2
VFTFFM14M	34100096	Vlv Ftg: Brs T Run 1/4"	2.3	1.3
VFP14M	34100112	Vlv Ftg: Brs PLG 1/4" mipt	0.4	0.3
BP1/2	34100114	Vlv Ftg: Brs PLG 1/2" mipt	1.6	1.0
<b>8mmC Plastic Tubing Fittings</b>				
IRMAE8x1/8	34100500	Vlv Ftg: Plstc EL 1/8" mipt x 8mmC	0.1	497.7
IRMAE8x1/4	34100501	Vlv Ftg: Plstc EL 1/4" mipt x 8mmC	0.1	1194.4
IRMA8x1/8	34100502	Vlv Ftg: Plstc MA 1/8" mipt x 8mmC	0.1	1105.9
IRMA8x1/4	34100503	Vlv Ftg: Plstc MA 1/4" mipt x 8mmC	0.1	1728.0
Blu PLt Ftg	34100545	Vlv Ftg: Plstc FA metric x 8mmC	0.1	2090.2
IRMBT8x1/8	34100505	Vlv Ftg: Plstc T Brnch 1/8" mipt x 8mmC	0.2	0.0
IRMBT8x1/4	34100506	Vlv Ftg: Plstc T Brnch 1/4" mipt x 8mmC	0.3	2262.0
IRUT8x8x8	34100507	Vlv Ftg: Plstc T Un 8mmC	0.3	0.0
IRMRT8x1/8	34100508	Vlv Ftg: Plstc T Rn 1/8" mipt x 8mmC	0.2	0.0
IRMRT8x1/4	34100509	Vlv Ftg: Plstc T RN 1/4" mipt x 8mmC	0.3	508.0
IRHP1/4	34100511	Vlv Ftg: Plstc plug 1/4" mipt	0.1	1791.6
<b>3/8" Plastic Tubing Fittings</b>				
PMAE3/8x1/8	34100517	Vlv Ftg: Plstc EL 1/8" mipt x 3/8"C (metal)	0.4	3.2
PMAE3/8x1/4	34100523	Vlv Ftg: Plstc EL 1/4" mipt x 3/8"C	0.4	3.3
PMA3/8x1/4	34100521	Vlv Ftg: Plstc MA 1/4" mipt x 3/8"C	0.3	2.1
PFA3/8x1/4	34100522	Vlv Ftg: Plstc FA 1/4" fipt x 3/8"C	0.3	2.1
PMBT3/8x1/8	34100516	Vlv Ftg: Plstc T Brnch 1/8" mipt x 3/8"C	0.8	6.0
PMBT3/8x1/4	34100524	Vlv Ftg: Plstc T Brnch 1/4" mipt x 3/8"C	1.0	6.9
PUCT3/8x3/8	34100526	Vlv Ftg: Plstc T Un 3/8"C	1.0	6.9
<b>3/8" Brass Tubing Fittings</b>				
CTTEL818M	34100130	Vlv Ftg: Brs EL 1/8" mipt x 3/8"C	4.0	3.5
CTTEL814M	34100132	Vlv Ftg: Brs EL 1/4" mipt x 3/8"C	4.0	3.5
CTTMA818M	34100120	Vlv Ftg: Brs MA 1/8" mipt x 3/8"C	4.0	3.5
CTTMA814M	34100124	Vlv Ftg: Brs MA 1/4" mipt x 3/8"C	4.0	3.5
CTFA818M	34100122	Vlv Ftg: Brs FA 1/8" mipt x 3/8"C	4.0	3.5
CTFA814M	34100126	Vlv Ftg: Brs FA 1/4" mipt x 3/8"C	4.0	3.5
CTBT818M	34100140	Vlv Ftg: Brs T Brnch 1/8" mipt x 3/8"C	4.0	3.5
CTBT814M	34100142	Vlv Ftg: Brs T Brnch 1/4" mipt x 3/8"C	4.0	3.5
<b>Push Lock Fittings</b>				
HTTE818P	34100182	Vlv Ftg: PshLk EL 1/8" mipt x 8mmC	4.0	3.5
HTTE814P	34100186	Vlv Ftg: PshLk EL 1/4" mipt 8mmC	4.0	3.5
HTTE318P	34100181	Vlv Ftg: PshLk EL 1/8" mipt x 3/8"C	4.0	3.5
HTTE314P	34100185	Vlv Ftg: PshLk EL 1/4" mipt x 3/8"C	4.0	3.5
HTTMA818P	34100172	Vlv Ftg: PshLk MA 1/8"mipt x 8mmC	4.0	3.5
HTTMA814P	34100176	Vlv Ftg: PshLk MA 1/4"mipt x 8mmC	4.0	3.5
HTTE318P	34100187	Vlv Ftg: PshLk MA 1/8"mipt x 3/8"C	4.0	3.5
HTTE314P	34100188	Vlv Ftg: PshLk MA 1/4"mipt x 3/8"C	4.0	3.5
HTBT818P	34100192	Vlv Ftg: PshLk T Brnch 1/8"mipt x 8mmC	4.0	3.5
HTBT814P	34100196	Vlv Ftg: PshLk T Brnch 1/4" mipt x 8mmC	4.0	3.5
HTBT318P	34100191	Vlv Ftg: PshLk T Brnch 1/8" mipt x 3/8"C	4.0	3.5
HTBT314P	34100195	Vlv Ftg: PshLk T Brnch 1/4" mipt x 3/8"C	4.0	3.5
<b>Tubing</b>				
315x208-1000PE	11190737	Vlv Ftg: PE Tube 315x208 (8mm) per ft	2.0	1.2
375x250-750PE	11190624	Vlv Ftg: PE Tube 375x250 (3/8") per ft	2.0	1.6
375x277-10CU	34100160	Vlv Ftg: CU Tube 375 x 277 (3/8" O.D.) per ft	8.0	1.6



VFN18M



VFRN1418M



IRMAE8x1/4



IRMA8x1/4



IRMBT8x1/4



PMA3/8x1/4



CTTEL818M



HTTE818P



HTTMA818P



HTBT818P



315X208-1000PE

VALVES

VALVES



# Diaphragms

Model #	Part #	Diaphragms and Tools	Unit Weight (oz)	Length (in)	Width (in)	Height (in)
<b>Diaphragms For Plastic Globe Style Bodies (NDJ EV VALVES)</b>						
DV075-010	14103067	Vlv Bdy Prt: Diaphragm for 3/4"-1" Vlv Bodies	0.7	3.0	3.0	0.6
DV015-020	14103068	Vlv Bdy Prt: Diaphragm for 1.5"-2" Vlv Bodies	1.1	5.0	4.0	0.8
<b>Diaphragms For Plastic High Flow Inline Vlv Bodies</b>						
DP015-0	34100370	Vlv Bdy Prt: Diaphragm for 1-1/2" - 2" Plstc Vlv Bodies	3.1	4.8	4.8	1.2
DP030	34100371	Vlv Bdy Prt: Diaphragm for 3" Plstc Vlv Bodies	8.1	5.9	5.9	1.5
DP040	34100372	Vlv Bdy Prt: Diaphragm for 4" Plstc Vlv Bodies	25.1	9.9	9.9	1.6
<b>Low Pressure Diaphragms For Castiron High Flow Vlv Bodies</b>						
DCL010-015	34100359	Vlv Bdy Prt: Diaphragm LP for 1-1.5" CI Vlv Bodies	1.8	3.8	3.8	0.7
DCL020	34100363	Vlv Bdy Prt: Diaphragm LP for 2" CI Vlv Bodies	3.9	4.8	4.8	1.0
DCL030	34100375	Vlv Bdy Prt: Diaphragm LP for 3" CI Vlv Bodies	16.5	7.9	7.9	1.4
DCL040	34100376	Vlv Bdy Prt: Diaphragm LP for 4" CI Vlv Bodies	26.6	9.2	9.2	1.6
DCL060+	34100377	Vlv Bdy Prt: Diaphragm LP for 6" CI Vlv Bodies	50	11.6	11.6	1.8
DCL080+	34100378	Vlv Bdy Prt: Diaphragm LP for 8" CI Vlv Bodies	109.6	13.9	13.9	2.4
DCL100-120+	34100379	Vlv Bdy Prt: Diaphragm LP for 10-12" CI Vlv Bodies	190	20.9	20.9	3.0
<b>High Pressure Diaphragms For Castiron High Flow Vlv Bodies</b>						
DCH010-015	34100360	Vlv Bdy Prt: Diaphragm HP for 1-1.5" CI Vlv Bodies	1.8	3.8	3.8	0.7
DCH020	34100361	Vlv Bdy Prt: Diaphragm HP for 2" CI Vlv Bodies	3.9	4.8	4.8	1.0
DCH030	34100364	Vlv Bdy Prt: Diaphragm HP for 3" CI Vlv Bodies	16.5	7.9	7.9	1.4
DCH040	34100365	Vlv Bdy Prt: Diaphragm HP for 4" CI Vlv Bodies	26.6	9.2	9.2	1.6
DCH060+	34100366	Vlv Bdy Prt: Diaphragm HP for 6" CI Vlv Bodies	50	11.6	11.6	1.8
DCH080+	34100367	Vlv Bdy Prt: Diaphragm HP for 8" CI Vlv Bodies	109.6	13.9	13.9	14.0
DCH100-120+	34100368	Vlv Bdy Prt: Diaphragm HP for 10-12" CI Vlv Bodies	190	20.9	20.9	3.0
<b>Valve Accessories</b>						
PHG015	12070506	Vlv Acc: Tool Pressure Hose Gauge Asmbly 15 PSI	15	8.0	5.0	1.0
PHG030	12070505	Vlv Acc: Tool Pressure Hose Gauge Asmbly 30 PSI	15	8.0	5.0	1.0
PHG060	12070500	Vlv Acc: Tool Pressure Hose Gauge Asmbly 60 PSI	15	8.0	5.0	1.0
PHG160	12070501	Vlv Acc: Tool Pressure Hose Gauge Asmbly 160 PSI	15	8.0	5.0	1.0
PHG300	12070502	Vlv Acc: Tool Pressure Hose Gauge Asmbly 300 PSI	15	8.0	5.0	1.0
LFG-15	12070325	Vlv Acc: Tool Gauge 15 PSI 1/4"mipt 2.5"face LF	7.8	3.0	2.5	1.0
LFG-30	12070326	Vlv Acc: Tool Gauge 30 PSI 1/4"mipt 2.5"face LF	7.8	3.0	2.5	1.0
LFG-60	12070328	Vlv Acc: Tool Gauge 60 PSI 1/4"mipt 2.5"face LF	7.8	3.0	2.5	1.0
LFG-160	12070330	Vlv Acc: Tool Gauge 160 PSI 1/4"mipt 2.5"face LF	7.8	3.0	2.5	1.0
LFG-300	12070333	Vlv Acc: Tool Gauge 300 PSI 1/4"mipt 2.5"face LF	7.8	3.0	2.5	1.0
ACG	12070006	Vlv Acc: Tool Schrader Chuck 1/4"fipt	1.8	1.0	2.0	1.0
PH	12090070	Vlv Acc: Tool Hse 1/4"x24"	5.1	12.0	0.5	0.5



DCH060+    DCH020    DV015--020    DP040    LFG-100    PHG-160

# EV Low Flow Commercial Globe Valves

Model #	Part #	EV Plastic Globe Valves (2wy NC)	Unit Weight (oz)	Length (in)	Width (in)	Height (in)
EV-075-FC	14103021	Vlv Plstc NC 3/4"fipt w FC & 24VDC Coil	0.75	4.3	3.2	4.2
EV-010-FC	14103012	Vlv Plstc NC 1"fipt w FC & 24VDC Coil	0.75	4.3	3.2	4.2
EV-015-FC	14103017	Vlv Plstc NC 1.5"fipt w FC & 24VDC Coil	0.75	4.3	3.2	4.2
EV-020-FC	14103019	Vlv Plstc NC 2"fipt w FC & 24VDC Coil	0.75	4.3	3.2	4.2
EV-075-2	14103010	Vlv Plstc NC 3/4"fipt w FC & 110VAC Coil	0.75	4.3	3.2	5
EV-010-2	14103013	Vlv Plstc NC 1"fipt w FC & 110VAC Coil	0.75	4.3	3.2	5
EV-015-2	14103018	Vlv Plstc NC 1.5"fipt w FC & 110VAC Coil	0.75	4.3	3.2	5
EV-020-2	14103020	Vlv Plstc NC 2"fipt w FC & 110VAC Coil	0.75	4.3	3.2	5
EV-075-3	14103005	Vlv Plstc NC 3/4"fipt w FC & 12VDC Coil	1.65	6.3	5	7.1
EV-010-3	14103006	Vlv Plstc NC 1"fipt w FC & 12VDC Coil	1.65	6.3	5	7.1
EV-015-3	14103007	Vlv Plstc NC 1.5"fipt w FC & 12VDC Coil	1.65	6.3	5	7.1
EV-020-3	14103008	Vlv Plstc NC 2"fipt w FC & 12VDC Coil	1.65	6.3	5	7.1
EV-075-4	14103011	Vlv Plstc NC 3/4"fipt w FC & 9ohm Coil	1.75	6.7	5	7.5
EV-010-4	14103014	Vlv Plstc NC 1"fipt w FC & 9ohm Coil	1.75	6.7	5	7.5
EV015-4	14103015	Vlv Plstc NC 1.5"fipt w FC & 9ohm Coil	1.75	6.7	5	7.5
EV-020-4	14103022	Vlv Plstc NC 2"fipt w FC & 9ohm Coil	1.75	6.7	5	7.5
EV-075-9	14103031	Vlv Plstc NC 3/4"fipt w FC & 9ohm Coil	1.75	6.7	5	7.5
EV-010-9	14103034	Vlv Plstc NC 1"fipt w FC & 9ohm Coil	1.75	6.7	5	7.5
EV015-9	14103035	Vlv Plstc NC 1.5"fipt w FC & 9ohm Coil	1.75	6.7	5	7.5
EV-020-9	14103032	Vlv Plstc NC 2"fipt w FC & 9ohm Coil	1.75	6.7	5	7.5



## Brass Gate and Ball Valves

Model #	Part #	Manual Brass Valves	Bag Qty.	Box Qty.	Stock Code
BGV-005	12220246	Vlv Brs Gate .5" fipt	10	100	MTO
BGV-007	12220247	Vlv Brs Gate .75" fipt	8	80	MTO
BGV-010	12220248	Vlv Brs Gate 1" fipt	6	60	MTO
BGV-012	12220249	Vlv Brs Gate 1.25" fipt	5	50	MTO
BGV-015	12220250	Vlv Brs Gate 1.5" fipt	2	43	MTO
BGV-20	12220251	Vlv Brs Gate 2" fipt	2	24	
BGV-025	12220255	Vlv Brs Gate 2.5" fipt	1	8	MTO
BGV-030	12220261	Vlv Brs Gate 3" fipt	1	6	
BGV-040	12220271	Vlv Brs Gate 4" fipt	1	4	
BBV-005	12220302	Vlv Brs Ball .5" fipt	12	120	MTO
BBV-007	12220303	Vlv Brs Ball .75" fipt	12	120	MTO
BBV-010	12220304	Vlv Brs Ball 1" fipt	6	60	MTO
BBV-012	12220305	Vlv Brs Ball 1.25" fipt	4	40	MTO
BBV-015	12220306	Vlv Brs Ball 1.5" fipt	2	30	MTO
BBV-020	12220307	Vlv Brs Ball 2" fipt	2	24	MTO
BBV-025	12220308	Vlv Brs Ball 2.5" fipt	2	8	MTO
BBV-030	12220309	Vlv Brs Ball 3" fipt	2	6	MTO
BBV-040	12220310	Vlv Brs Ball 4" fipt	2	4	MTO
BBV-005-FP	12220201	Vlv Brs Ball .5" fipt Full port	10	120	MTO
BBV-007-FP	12220210	Vlv Brs Ball .75" fipt Full port	10	100	MTO
BBV-010-FP	12220220	Vlv Brs Ball 1" fipt Full Port	6	60	MTO
BBV-012-FP	12220230	Vlv Brs Ball 1.25" fipt Full Port	6	40	MTO
BBV-015-FP	12220240	Vlv Brs Ball 1.5" fipt Full port	2	24	MTO
BBV-020-FP	12220241	Vlv Brs Ball 2" fipt Full Port	1	20	
BBV-025-FP	12220242	Vlv Brs Ball 2.5" fipt Full Port	1	8	MTO
BBV-030-FP	12220243	Vlv Brs Ball 3" fipt Full Port	1	6	MTO
BBV-040-FP	12220244	Vlv Brs Ball 4" fipt Full Port	1	4	MTO



BGV-020



BBV-007 FP

## Leak Prevention and Anti-Siphon Devices

Model #	Part #	Flush Valves	Bag Qty	Box Qty
<b>Flush Valves with tattle Tail</b>				
FCH-L-FHT	12060036	3/4" FHT Low Pressure White Plunger	50	1200
FCH-H-FHT	12060034	3/4" FHT High Pressure Orange Plunger	50	1200
FCH-L-FIPT	12060037	3/4" FPT Low Pressure White Plunger	50	1200
FCH-H-FIPT	12060035	3/4" FPT Low Pressure White Plunger	50	1200
<b>Lateral Flush Valves</b>				
LFV-50NPT	12060701	Threaded 1/2" NPT Male laterAAL Flush Valve		180
LFV-16B	12060716	Barb 16mm Lateral Flush valve		180
LFV-17B	12060717	Barb 17mm Lateral Flush valve		180
LFV-20B	12060720	Barb 20mm Lateral Flush valve		180
LFV-17T	12060727	Tape 17mm Lateral flush valve		180
<b>2" Flush valve</b>				
FCH-2L	12060010	2" MPT x Low Pressure White Plunger		180
FCH-2H	12060008	2" MPT x High pressure Black Plunger		60

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
<b>Lateral LPD</b>			
LLPD-16B	11990616	1/2" npt Thread x 16mm Barb	280
LLPD-17B	11990617	1/2" npt Thread x 17mm Barb	270
LLPD-20B	11990610	1/2" npt Thread x 18mm Barb	250
<b>Sprinkler LPD</b>			
ILPD-12B	11990512	LPD 1/2" FPT x 12mm Barb	230
ILPD-16M	11990516	LPD 1/2" FPT x 16mm Barb	230
ILPD-50NPT	11990601	LPD 1/2" Universal	270
LFV-20B	11990602	LPD 3/4" x 1/2" Universal	250
<b>Anti-Siphon Device</b>			
PASV77H	72501963	3/4" FHT x 3/4" MHT	60



FCH-H-FHT



LFV-16B



FCH-2H



PASV77H



ILPD-50NPT



LLPD-16B



ILPD-12B

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Part #	Model #	Page	Price
11190624	375x250-750PE	D-11	\$247.17
11190737	315x208-1000PE	D-11	\$223.63
11990512	ILPD-12B	D-15	\$8.15
11990516	ILPD-16M	D-15	\$8.15
11990601	ILPD-50NPT	D-15	\$8.15
11990602	LFV-20B	D-15	\$8.15
11990610	LLPD-20B	D-15	\$8.15
11990616	LLPD-16B	D-15	\$8.15
11990617	LLPD-17B	D-15	\$8.15
12060008	FCH-2H	D-15	\$34.04
12060010	FCH-2L	D-15	\$34.04
12060034	FCH-H-FHT	D-15	\$1.39
12060035	FCH-H-FIPT	D-15	\$1.39
12060036	FCH-L-FHT	D-15	\$1.39
12060037	FCH-L-FIPT	D-15	\$1.39
12060701	LFV-50NPT	D-15	\$6.92
12060716	LFV-16B	D-15	\$6.92
12060717	LFV-17B	D-15	\$6.92
12060720	LFV-20B	D-15	\$6.92
12060727	LFV-17T	D-15	\$6.92
12070006	ACG	D-12	\$16.46
12070014	APS18	D-10	\$2.74
12070325	LFG-15	D-12	\$19.90
12070326	LFG-30	D-12	\$19.90
12070328	LFG-60	D-12	\$19.90
12070330	LFG-160	D-12	\$19.90
12070333	LFG-300	D-12	\$19.90
12070500	PHG060	D-12	\$81.11
12070501	PHG160	D-12	\$81.11
12070502	PHG300	D-12	\$81.11
12070505	PHG030	D-12	\$81.11
12070506	PHG015	D-12	\$81.11
12090070	PH	D-12	\$34.07
12220201	BBV-005-FP	D-14	\$11.90
12220210	BBV-007-FP	D-14	\$26.75
12220220	BBV-010-FP	D-14	\$33.01
12220230	BBV-012-FP	D-14	\$50.25
12220240	BBV-015-FP	D-14	\$67.66
12220241	BBV-020-FP	D-14	\$93.18
12220242	BBV-025-FP	D-14	\$218.93
12220243	BBV-030-FP	D-14	\$314.26

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12220244	BBV-040-FP	D-14	\$588.50
12220246	BGV-005	D-14	\$16.11
12220247	BGV-007	D-14	\$22.92
12220248	BGV-010	D-14	\$29.62
12220249	BGV-012	D-14	\$37.17
12220250	BGV-015	D-14	\$59.48
12220251	BGV-020	D-14	\$85.82
12220255	BGV-025	D-14	\$143.60
12220261	BGV-030	D-14	\$221.28
12220271	BGV-040	D-14	\$362.52
12220302	BBV-005	D-14	\$11.15
12220303	BBV-007	D-14	\$16.11
12220304	BBV-010	D-14	\$27.26
12220305	BBV-012	D-14	\$37.17
12220306	BBV-015	D-14	\$64.43
12220307	BBV-020	D-14	\$86.73
12220308	BBV-025	D-14	\$165.96
12220309	BBV-030	D-14	\$256.59
12220310	BBV-040	D-14	\$390.77
14103005	EV-075-3	D-13	\$54.08
14103006	EV-010-3	D-13	\$54.08
14103007	EV-015-3	D-13	\$130.54
14103008	EV-020-3	D-13	\$130.54
14103010	EV-075-2	D-13	\$64.08
14103011	EV-075-4	D-13	\$54.08
14103012	EV-010-FC	D-13	\$54.08
14103013	EV-010-2	D-13	\$64.08
14103014	EV-010-4	D-13	\$54.08
14103015	EV015-4	D-13	\$130.54
14103017	EV-015-FC	D-13	\$130.54
14103018	EV-015-2	D-13	\$140.54
14103019	EV-020-FC	D-13	\$130.54
14103020	EV-020-2	D-13	\$140.54
14103021	EV-075-FC	D-13	\$54.08
14103022	EV-020-4	D-13	\$130.54
14103031	EV-075-9	D-13	\$54.08
14103032	EV-020-9	D-13	\$130.54
14103034	EV-010-9	D-13	\$54.08
14103035	EV015-9	D-13	\$130.54
14103055	9S1	D-10	\$71.33
14103057	EV2	D-09	\$57.86

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Part #	Model #	Page	Price
14103058	EV1	D-09	\$47.14
14103059	EV9	D-09	\$37.41
14103067	DV075-010	D-12	\$15.76
14103068	DV015-020	D-12	\$15.76
14103076	EV3	D-09	\$47.14
14103077	EV4	D-09	\$47.41
14105200	S7	D-09	\$69.93
14105201	S9	D-09	\$69.93
14105202	S11	D-09	\$69.93
14105203	S8	D-09	\$69.93
14105204	S10	D-09	\$69.93
14105205	S12	D-09	\$69.93
14105220	L7	D-09	\$143.59
14105221	L9	D-09	\$143.59
14105222	L11	D-09	\$143.59
14105223	L8	D-09	\$143.59
14105224	L10	D-09	\$143.59
14105225	L12	D-09	\$143.59
14105300	S1	D-09	\$69.93
14105301	S3	D-09	\$69.93
14105302	S5	D-09	\$69.93
14105303	S2	D-09	\$69.93
14105304	S4	D-09	\$69.93
14105305	S6	D-09	\$69.93
14105320	L1	D-09	\$143.59
14105321	L3	D-09	\$143.59
14105322	L5	D-09	\$143.59
14105323	L2	D-09	\$143.59
14105324	L4	D-09	\$143.59
14105325	L6	D-09	\$143.59
14105331	4S1	D-10	\$105.93
14105332	4S2	D-10	\$105.93
14105333	9S2	D-10	\$71.33
14105334	12S1	D-10	\$77.47
14105335	12S2	D-10	\$77.47
14105336	23S1	D-10	\$105.93
14105337	23S2	D-10	\$105.93
14105350	2L1	D-10	\$173.10
14105351	2L2	D-10	\$173.10
14105352	5L1	D-10	\$173.10
14105353	5L2	D-10	\$173.10

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14105354	13L1	D-10	\$173.10
14105355	13L2	D-10	\$173.10
14105356	20L1	D-10	\$173.10
14105357	20L2	D-10	\$173.10
14105358	53L1	D-10	\$173.10
14105359	53L2	D-10	\$173.10
14105360	4S3	D-10	\$73.83
14105361	4S4	D-10	\$105.93
14105362	9S3	D-10	\$71.33
14105363	9S4	D-10	\$71.33
14105364	12S3	D-10	\$77.47
14105365	12S4	D-10	\$77.47
14105366	23S3	D-10	\$77.47
14105367	23S4	D-10	\$77.47
14105368	53S3	D-10	\$77.47
14105380	2L3	D-10	\$173.10
14105381	2L4	D-10	\$173.10
14105382	5L3	D-10	\$173.10
14105383	5L4	D-10	\$173.10
14105384	13L3	D-10	\$173.10
14105385	13L4	D-10	\$173.10
14105386	20L3	D-10	\$173.10
14105387	20L4	D-10	\$173.10
14105388	53L3	D-10	\$173.10
14105389	53L4	D-10	\$173.10
34100050	VFN18M	D-11	\$1.95
34100052	VFN14M	D-11	\$10.72
34100056	VFRN1418M	D-11	\$4.59
34100076	VFR1214M	D-11	\$7.33
34100092	VFTFFM18M	D-11	\$6.68
34100096	VFTFFM14M	D-11	\$8.58
34100112	VFP14M	D-11	\$2.69
34100114	BP1/2	D-11	\$7.98
34100120	CTTMA818M	D-11	\$5.89
34100122	CTFA818M	D-11	\$6.53
34100124	CTTMA814M	D-11	\$6.39
34100126	CTFA814M	D-11	\$6.53
34100130	CTTEL818M	D-11	\$7.03
34100132	CTTEL814M	D-11	\$46.09
34100140	CTBT818M	D-11	\$6.19
34100142	CTBT814M	D-11	\$6.19



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Part #	Model #	Page	Price
34100160	375x277-10CU	D-11	\$284.25
34100172	HTTMA818P	D-11	\$9.23
34100176	HTTMA814P	D-11	\$3.84
34100181	HTTE318P	D-11	\$25.39
34100182	HTTE818P	D-11	\$11.42
34100185	HTTE314P	D-11	\$25.39
34100186	HTTE814P	D-11	\$4.44
34100187	HTTE318P	D-11	\$25.39
34100188	HTTE314P	D-11	\$25.39
34100191	HTBT318P	D-11	\$35.00
34100192	HTBT818P	D-11	\$24.94
34100195	HTBT314P	D-11	\$35.00
34100196	HTBT814P	D-11	\$5.44
34100267	Pb	D-08	\$27.39
34100269	Ps	D-08	\$27.39
34100275	Hy	D-08	\$6.67
34100276	Hg	D-08	\$6.67
34100277	Hw	D-08	\$6.67
34100278	Hr	D-08	\$6.67
34100282	Ho	D-08	\$99.77
34100290	By	D-08	\$34.92
34100291	Bg	D-08	\$34.92
34100292	Br	D-08	\$34.92
34100293	B1y	D-08	\$34.92
34100295	B1r	D-08	\$34.92
34100297	44886	D-08	\$24.94
34100298	PaT	D-08	\$4.99
34100359	DCL010-015	D-12	\$38.11
34100360	DCH010-015	D-12	\$38.11
34100361	DCH020	D-12	\$51.63
34100363	DCL020	D-12	\$51.63
34100364	DCH030	D-12	\$82.66
34100365	DCH040	D-12	\$123.96
34100366	DCH060+	D-12	\$431.59
34100367	DCH080+	D-12	\$932.71
34100368	DCH100-120+	D-12	\$1,305.45
34100370	DP015-0	D-12	\$38.11
34100371	DP030	D-12	\$82.59
34100372	DP040	D-12	\$152.44
34100375	DCL030	D-12	\$82.66
34100376	DCL040	D-12	\$124.01
34100377	DCL060+	D-12	\$431.59

Part #	Model #	Page	Price
34100378	DCL080+	D-12	\$932.72
34100379	DCL100-120+	D-12	\$1,305.45
34100380	FI-P-1/8-1/4	D-10	\$14.97
34100381	FI-B-1/4-1/4	D-10	\$29.93
34100382	FI-B-1/4-1/2	D-10	\$49.88
34100383	BK-3W-1/8	D-08	\$39.91
34100384	BK-3W-1/4	D-08	\$39.91
34100385	T-BORDER-PL	D-10	\$62.85
34100386	T-Border-1/4	D-10	\$121.37
34100387	BM -1/4-33	D-10	\$49.88
34100388	BK-1/4NP	D-10	\$41.35
34100389	BK-1/2NP	D-10	\$48.30
34100451	61o	D-08	\$463.91
34100452	62o	D-08	\$269.37
34100454	81o	D-08	\$542.25
34100454	82o	D-08	\$370.78
34100455	3Ro	D-08	\$532.40
34100456	3So	D-08	\$532.40
34100463	PPo	D-08	\$87.34
34100500	IRMAE8x1/8	D-11	\$1.45
34100501	IRMAE8x1/4	D-11	\$1.45
34100502	IRMA8x1/8	D-11	\$1.20
34100503	IRMA8x1/4	D-11	\$1.20
34100505	IRMBT8x1/8	D-11	\$1.80
34100506	IRMBT8x1/4	D-11	\$1.80
34100507	IRUT8x8x8	D-11	\$2.14
34100508	IRMRT8x1/8	D-11	\$1.80
34100509	IRMRT8x1/4	D-11	\$1.80
34100511	IRHP1/4	D-11	\$0.50
34100516	PMBT3/8x1/8	D-11	\$7.49
34100517	PMAE3/8x1/8	D-11	\$8.18
34100521	PMA3/8x1/4	D-11	\$8.18
34100522	PFA3/8x1/4	D-11	\$17.96
34100523	PMAE3/8x1/4	D-11	\$14.67
34100524	PMBT3/8x1/4	D-11	\$19.75
34100526	PUCT3/8x3/8	D-11	\$35.92
34100545	Blu PLt Ftg	D-11	\$8.48
34100570	BRM2	D-08	\$11.67
34100571	BRM3	D-08	\$11.67
34100572	BRM4-8	D-08	\$17.51
34100575	BRM10-12	D-08	\$17.51
72501963	PASV77H	D-15	\$3.85

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Page	Model #	Part #	Price
D-08	Pb	34100267	\$27.39
D-08	Ps	34100269	\$27.39
D-08	Hy	34100275	\$6.67
D-08	Hg	34100276	\$6.67
D-08	Hw	34100277	\$6.67
D-08	Hr	34100278	\$6.67
D-08	Ho	34100282	\$99.77
D-08	By	34100290	\$34.92
D-08	Bg	34100291	\$34.92
D-08	Br	34100292	\$34.92
D-08	B1y	34100293	\$34.92
D-08	B1r	34100295	\$34.92
D-08	44886	34100297	\$24.94
D-08	PaT	34100298	\$4.99
D-08	BK-3W-1/8	34100383	\$39.91
D-08	BK-3W-1/4	34100384	\$39.91
D-08	61o	34100451	\$463.91
D-08	62o	34100452	\$269.37
D-08	81o	34100454	\$542.25
D-08	82o	34100454	\$370.78
D-08	3Ro	34100455	\$532.40
D-08	3So	34100456	\$532.40
D-08	PPo	34100463	\$87.34
D-08	BRM2	34100570	\$11.67
D-08	BRM3	34100571	\$11.67
D-08	BRM4-8	34100572	\$17.51
D-08	BRM10-12	34100575	\$17.51
D-09	EV2	14103057	\$57.86
D-09	EV1	14103058	\$47.14
D-09	EV9	14103059	\$37.41
D-09	EV3	14103076	\$47.14
D-09	EV4	14103077	\$47.41
D-09	S7	14105200	\$69.93
D-09	S9	14105201	\$69.93
D-09	S11	14105202	\$69.93
D-09	S8	14105203	\$69.93
D-09	S10	14105204	\$69.93
D-09	S12	14105205	\$69.93
D-09	L7	14105220	\$143.59
D-09	L9	14105221	\$143.59
D-09	L11	14105222	\$143.59

Page	Model #	Part #	Price
D-09	L8	14105223	\$143.59
D-09	L10	14105224	\$143.59
D-09	L12	14105225	\$143.59
D-09	S1	14105300	\$69.93
D-09	S3	14105301	\$69.93
D-09	S5	14105302	\$69.93
D-09	S2	14105303	\$69.93
D-09	S4	14105304	\$69.93
D-09	S6	14105305	\$69.93
D-09	L1	14105320	\$143.59
D-09	L3	14105321	\$143.59
D-09	L5	14105322	\$143.59
D-09	L2	14105323	\$143.59
D-09	L4	14105324	\$143.59
D-09	L6	14105325	\$143.59
D-10	APS18	12070014	\$2.74
D-10	9S1	14103055	\$71.33
D-10	4S1	14105331	\$105.93
D-10	4S2	14105332	\$105.93
D-10	9S2	14105333	\$71.33
D-10	12S1	14105334	\$77.47
D-10	12S2	14105335	\$77.47
D-10	23S1	14105336	\$105.93
D-10	23S2	14105337	\$105.93
D-10	2L1	14105350	\$173.10
D-10	2L2	14105351	\$173.10
D-10	5L1	14105352	\$173.10
D-10	5L2	14105353	\$173.10
D-10	13L1	14105354	\$173.10
D-10	13L2	14105355	\$173.10
D-10	20L1	14105356	\$173.10
D-10	20L2	14105357	\$173.10
D-10	53L1	14105358	\$173.10
D-10	53L2	14105359	\$173.10
D-10	4S3	14105360	\$73.83
D-10	4S4	14105361	\$105.93
D-10	9S3	14105362	\$71.33
D-10	9S4	14105363	\$71.33
D-10	12S3	14105364	\$77.47
D-10	12S4	14105365	\$77.47
D-10	23S3	14105366	\$77.47



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Page	Model #	Part #	Price
D-10	23S4	14105367	\$77.47
D-10	53S3	14105368	\$77.47
D-10	2L3	14105380	\$173.10
D-10	2L4	14105381	\$173.10
D-10	5L3	14105382	\$173.10
D-10	5L4	14105383	\$173.10
D-10	13L3	14105384	\$173.10
D-10	13L4	14105385	\$173.10
D-10	20L3	14105386	\$173.10
D-10	20L4	14105387	\$173.10
D-10	53L3	14105388	\$173.10
D-10	53L4	14105389	\$173.10
D-10	FI-P-1/8-1/4	34100380	\$14.97
D-10	FI-B-1/4-1/4	34100381	\$29.93
D-10	FI-B-1/4-1/2	34100382	\$49.88
D-10	T-BORDER-PL	34100385	\$62.85
D-10	T-Border-1/4	34100386	\$121.37
D-10	BM -1/4-33	34100387	\$49.88
D-10	BK-1/4NP	34100388	\$41.35
D-10	BK-1/2NP	34100389	\$48.30
D-11	375x250-750PE	11190624	\$247.17
D-11	315x208-1000PE	11190737	\$223.63
D-11	VFN18M	34100050	\$1.95
D-11	VFN14M	34100052	\$10.72
D-11	VFRN1418M	34100056	\$4.59
D-11	VFR1214M	34100076	\$7.33
D-11	VFTFFM18M	34100092	\$6.68
D-11	VFTFFM14M	34100096	\$8.58
D-11	VFP14M	34100112	\$2.69
D-11	BP1/2	34100114	\$7.98
D-11	CTTMA818M	34100120	\$5.89
D-11	CTFA818M	34100122	\$6.53
D-11	CTTMA814M	34100124	\$6.39
D-11	CTFA814M	34100126	\$6.53
D-11	CTTEL818M	34100130	\$7.03
D-11	CTTEL814M	34100132	\$46.09
D-11	CTBT818M	34100140	\$6.19
D-11	CTBT814M	34100142	\$6.19
D-11	375x277-10CU	34100160	\$284.25
D-11	HTTMA818P	34100172	\$9.23
D-11	HTTMA814P	34100176	\$3.84

Page	Model #	Part #	Price
D-11	HTTE318P	34100181	\$25.39
D-11	HTTE818P	34100182	\$11.42
D-11	HTTE314P	34100185	\$25.39
D-11	HTTE814P	34100186	\$4.44
D-11	HTTE318P	34100187	\$25.39
D-11	HTTE314P	34100188	\$25.39
D-11	HTBT318P	34100191	\$35.00
D-11	HTBT818P	34100192	\$24.94
D-11	HTBT314P	34100195	\$35.00
D-11	HTBT814P	34100196	\$5.44
D-11	IRMAE8x1/8	34100500	\$1.45
D-11	IRMAE8x1/4	34100501	\$1.45
D-11	IRMA8x1/8	34100502	\$1.20
D-11	IRMA8x1/4	34100503	\$1.20
D-11	IRMBT8x1/8	34100505	\$1.80
D-11	IRMBT8x1/4	34100506	\$1.80
D-11	IRUT8x8x8	34100507	\$2.14
D-11	IRMRT8x1/8	34100508	\$1.80
D-11	IRMRT8x1/4	34100509	\$1.80
D-11	IRHP1/4	34100511	\$0.50
D-11	PMBT3/8x1/8	34100516	\$7.49
D-11	PMAE3/8x1/8	34100517	\$8.18
D-11	PMA3/8x1/4	34100521	\$8.18
D-11	PFA3/8x1/4	34100522	\$17.96
D-11	PMAE3/8x1/4	34100523	\$14.67
D-11	PMBT3/8x1/4	34100524	\$19.75
D-11	PUCT3/8x3/8	34100526	\$35.92
D-11	Blu PLt Ftg	34100545	\$8.48
D-12	ACG	12070006	\$16.46
D-12	LFG-15	12070325	\$19.90
D-12	LFG-30	12070326	\$19.90
D-12	LFG-60	12070328	\$19.90
D-12	LFG-160	12070330	\$19.90
D-12	LFG-300	12070333	\$19.90
D-12	PHG060	12070500	\$81.11
D-12	PHG160	12070501	\$81.11
D-12	PHG300	12070502	\$81.11
D-12	PHG030	12070505	\$81.11
D-12	PHG015	12070506	\$81.11
D-12	PH	12090070	\$34.07
D-12	DV075-010	14103067	\$15.76

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Page	Model #	Part #	Price
D-12	DV015-020	14103068	\$15.76
D-12	DCL010-015	34100359	\$38.11
D-12	DCH010-015	34100360	\$38.11
D-12	DCH020	34100361	\$51.63
D-12	DCL020	34100363	\$51.63
D-12	DCH030	34100364	\$82.66
D-12	DCH040	34100365	\$123.96
D-12	DCH060+	34100366	\$431.59
D-12	DCH080+	34100367	\$932.71
D-12	DCH100-120+	34100368	\$1,305.45
D-12	DP015-0	34100370	\$38.11
D-12	DP030	34100371	\$82.59
D-12	DP040	34100372	\$152.44
D-12	DCL030	34100375	\$82.66
D-12	DCL040	34100376	\$124.01
D-12	DCL060+	34100377	\$431.59
D-12	DCL080+	34100378	\$932.72
D-12	DCL100-120+	34100379	\$1,305.45
D-13	EV-075-3	14103005	\$54.08
D-13	EV-010-3	14103006	\$54.08
D-13	EV-015-3	14103007	\$130.54
D-13	EV-020-3	14103008	\$130.54
D-13	EV-075-2	14103010	\$64.08
D-13	EV-075-4	14103011	\$54.08
D-13	EV-010-FC	14103012	\$54.08
D-13	EV-010-2	14103013	\$64.08
D-13	EV-010-4	14103014	\$54.08
D-13	EV015-4	14103015	\$130.54
D-13	EV-015-FC	14103017	\$130.54
D-13	EV-015-2	14103018	\$140.54
D-13	EV-020-FC	14103019	\$130.54
D-13	EV-020-2	14103020	\$140.54
D-13	EV-075-FC	14103021	\$54.08
D-13	EV-020-4	14103022	\$130.54
D-13	EV-075-9	14103031	\$54.08
D-13	EV-020-9	14103032	\$130.54
D-13	EV-010-9	14103034	\$54.08
D-13	EV015-9	14103035	\$130.54
D-14	BBV-005-FP	12220201	\$11.90
D-14	BBV-007-FP	12220210	\$26.75
D-14	BBV-010-FP	12220220	\$33.01
D-14	BBV-012-FP	12220230	\$50.25

Page	Model #	Part #	Price
D-14	BBV-015-FP	12220240	\$67.66
D-14	BBV-020-FP	12220241	\$93.18
D-14	BBV-025-FP	12220242	\$218.93
D-14	BBV-030-FP	12220243	\$314.26
D-14	BBV-040-FP	12220244	\$588.50
D-14	BGV-005	12220246	\$16.11
D-14	BGV-007	12220247	\$22.92
D-14	BGV-010	12220248	\$29.62
D-14	BGV-012	12220249	\$37.17
D-14	BGV-015	12220250	\$59.48
D-14	BGV-020	12220251	\$85.82
D-14	BGV-025	12220255	\$143.60
D-14	BGV-030	12220261	\$221.28
D-14	BGV-040	12220271	\$362.52
D-14	BBV-005	12220302	\$11.15
D-14	BBV-007	12220303	\$16.11
D-14	BBV-010	12220304	\$27.26
D-14	BBV-012	12220305	\$37.17
D-14	BBV-015	12220306	\$64.43
D-14	BBV-020	12220307	\$86.73
D-14	BBV-025	12220308	\$165.96
D-14	BBV-030	12220309	\$256.59
D-14	BBV-040	12220310	\$390.77
D-15	FCH-L-FHT	12060036	\$1.39
D-15	FCH-H-FHT	12060034	\$1.39
D-15	FCH-L-FIPT	12060037	\$1.39
D-15	FCH-H-FIPT	12060035	\$1.39
D-15	LFV-50NPT	12060701	\$6.92
D-15	LFV-16B	12060716	\$6.92
D-15	LFV-17B	12060717	\$6.92
D-15	LFV-20B	12060720	\$6.92
D-15	LFV-17T	12060727	\$6.92
D-15	FCH-2L	12060010	\$34.04
D-15	FCH-2H	12060008	\$34.04
D-15	LLPD-16B	11990616	\$8.15
D-15	LLPD-17B	11990617	\$8.15
D-15	LLPD-20B	11990610	\$8.15
D-15	ILPD-12B	11990512	\$8.15
D-15	ILPD-16M	11990516	\$8.15
D-15	ILPD-50NPT	11990601	\$8.15
D-15	LFV-20B	11990602	\$8.15
D-15	PASV77H	72501963	\$3.85

# VALVES—Hydraulic Valve Pricing Table

Hydraulic Valve Function																
Body Size	B	M	MEL	MRC	PRM	PRMEL	PRMRC	PSM	PSMEL	PSMRC	PSPRM	PSPRMEL	PSPRMRC	QR or 2PS	2PR	2PRPS
P015T	106	162	301	273	318	372	488	356	552	503	557	651	703	x	x	x
P020T	120	176	314	286	330	395	502	372	565	518	570	664	717	x	x	x
P030T	239	294	435	406	447	529	617	490	685	637	686	781	834	x	x	x
P040T	537	593	733	705	734	811	905	789	983	936	954	1,048	1,101	x	x	x
P030G	234	290	431	402	442	525	613	485	681	633	682	778	828	x	x	x
P040G	464	528	673	638	663	751	837	716	913	864	881	985	1,031	x	x	x
P040F	705	743	867	858	895	945	1,064	956	1,142	1,100	1,121	1,197	1,262	x	x	x
C010T	99	154	294	266	306	468	476	349	486	495	438	532	584	761	574	1,494
C015T	130	185	323	295	336	496	506	378	516	525	469	563	615	791	603	1,524
C020T	161	215	352	326	366	526	537	408	547	554	497	592	644	821	633	1,553
C323T	223	278	417	388	427	587	598	473	611	619	559	653	705	884	694	1,614
C030T	486	542	680	652	682	850	862	736	873	882	823	917	969	1,148	959	1,879
C040T	771	824	961	935	974	1,132	1,142	1,021	1,213	1,168	1,104	1,196	1,251	1,738	1,238	2,165
C020G	161	215	352	326	366	526	537	408	601	554	497	592	644	801	633	1,553
C323G	223	278	417	388	427	587	598	473	663	619	559	653	705	866	694	1,614
C030G	486	542	680	652	682	850	862	736	928	882	823	917	969	1,444	959	1,879
C040G	739	794	933	904	942	1,101	1,109	988	1,180	1,134	1,073	1,167	1,219	1,697	1,208	2,127
C060G	1,792	1,902	2,123	2,123	2,505	2,793	2,666	2,597	3,356	2,597	2,666	2,666	2,666	3,554	2,686	2,686
C020F	222	299	373	399	414	495	583	460	556	601	556	591	704	1,075	704	1,549
C323F	286	359	428	460	479	557	648	526	622	669	618	647	766	1,163	763	1,626
C030F	504	558	695	669	697	858	868	752	945	899	831	925	977	1,462	966	1,885
C040F	771	826	965	936	955	1,117	1,124	1,020	1,212	1,166	1,088	1,183	1,234	1,728	1,223	2,144
C060F	1,844	1,956	2,175	2,175	2,555	2,844	2,716	2,648	3,408	2,794	2,716	2,897	2,862	3,606	2,737	3,656
C080F	3,434	3,545	3,765	3,765	4,143	4,430	4,301	4,238	4,997	4,385	4,307	4,489	4,454	5,198	4,323	5,244
C100F	4,586	4,696	4,917	4,917	5,294	5,583	5,455	5,389	6,150	5,536	5,455	5,638	5,601	6,347	5,475	6,395
C120F	9,086	9,196	9,417	9,417	9,791	10,080	9,952	9,889	10,650	10,036	9,952	10,134	10,099	10,847	9,974	10,894
A020T	197	251	383	397	394	548	540	436	584	583	519	614	666	490	475	815
A323T	250	320	386	451	446	521	597	493	549	638	585	609	734	595	578	978
A030T	397	452	590	600	594	756	740	647	784	793	727	822	873	702	684	1,085
A040T	831	844	949	1,036	1,034	1,168	1,166	1,099	1,201	1,253	1,148	1,198	1,290	1,016	999	1,399
A020G	237	285	421	439	436	594	581	480	631	627	559	653	705	516	502	842
A323G	297	363	426	498	494	567	644	542	594	688	631	650	779	629	613	1,013
A030G	486	542	680	689	681	840	827	736	873	882	812	906	959	790	772	1,191
A040G	950	968	1,071	1,155	1,147	1,278	1,278	1,217	1,317	1,367	1,257	1,308	1,399	1,133	1,115	1,535
A060G	2,076	2,151	2,376	2,306	2,728	3,022	2,875	2,830	3,135	2,999	2,827	3,014	2,980	2,874	3,048	4,029
A020F	200	254	386	402	397	552	543	440	587	586	523	617	669	492	477	817
A323F	343	437	518	560	552	638	721	597	668	746	710	751	868	785	765	1,267
A030F	656	727	888	861	856	1,030	1,013	905	1,063	1,053	1,000	1,118	1,152	1,027	1,005	1,508
A040F	972	1,026	1,165	1,173	1,167	1,324	1,313	1,221	1,360	1,367	1,298	1,393	1,445	1,275	1,254	1,757
A060F	1,924	2,033	2,253	2,179	2,576	2,864	2,724	2,672	2,969	2,818	2,681	2,863	2,827	2,726	2,904	3,867
A080F	3,277	3,289	3,496	3,469	4,070	5,000	4,518	4,201	5,157	4,481	5,123	5,289	4,155	4,309	4,277	5,239

**Add or Subtract as needed:**

Brass Pilots (430 \$ea. Valves < 8" have plastic pilots. Plastic pilots rated to 100 psi. PRPS valves have 2 pilots / valve

Solenoids: S to L upgrade \$88 ea. Latching upgrade \$55 each.

Manual Selector: Valves < 6" \$36 ea. Valves > 4" \$66 each

# VALVES—Option Pricing

JHV Options Price Table								
Body	c	f	g	n	i	p	s	a
P015T	x	106	61	81	30	116	217	171
P020T	x	106	61	81	30	116	217	171
P030T	x	106	61	81	30	116	217	171
P040T	x	106	61	81	30	116	217	171
P030G	x	106	61	81	30	116	217	171
P040G	x	106	61	81	30	116	217	171
P040F	x	106	61	81	30	116	217	171
C010T	610	106	61	81	30	116	217	171
C015T	610	106	61	81	30	116	217	171
C020T	610	106	61	81	30	116	217	171
C323T	610	106	61	81	30	116	217	171
C030T	610	106	61	81	30	116	217	171
C040T	610	106	61	81	30	116	217	171
C020G	610	106	61	81	30	116	217	171
C323G	610	106	61	81	30	116	217	171
C030G	610	106	61	81	30	116	217	171
C040G	610	106	61	81	30	116	217	171
C060G	610	106	61	81	54	212	217	624
C020F	610	106	61	81	30	116	217	171
C323F	610	106	61	81	30	116	217	171
C030F	610	106	61	81	30	116	217	171
C040F	610	106	61	81	30	116	217	171
C060F	610	106	61	81	54	212	217	624
C080F	610	106	61	81	54	212	217	624
C100F	610	106	61	81	54	212	217	624
C120F	610	106	61	81	54	212	217	624
A020T	610	106	61	81	30	116	217	171
A323T	610	106	61	81	30	116	217	171
A030T	610	106	61	81	30	116	217	171
A040T	610	106	61	81	30	116	217	171
A020G	610	106	61	81	30	116	217	171
A323G	610	106	61	81	30	116	217	171
A030G	610	106	61	81	30	116	217	171
A040G	610	106	61	81	30	116	217	171
A060G	610	106	61	81	54	212	217	624
A020F	610	106	61	81	30	116	217	171
A323F	610	106	61	81	30	116	217	171
A030F	610	106	61	81	30	116	217	171
A040F	610	106	61	81	30	116	217	171
A060F	610	106	61	81	54	212	217	624
A080F	610	106	61	81	54	212	217	624



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## Hose Threaded T-Filters

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Box Code	Stock Code
<b>Hose Thread: Plastic T-Filter 4E-3/4" FHS x 3/4" MHT (Stainless Steel Screen)</b>							
4E-3/4T-50	72130088	50 mesh		50	27.0	C	
4E-3/4T-100	72130082	100 mesh		50	27.0	C	
4E-3/4T-150	72130084	150 mesh		50	27.0	C	
4E-3/4T-200	72130086	200 mesh		50	27.0	C	
<b>Hose Thread: Replacement Stainless Steel Screens for Plastic 4E-3/4" Hose Bib T-Filters</b>							
T-50M	72110035	Yellow - 50 mesh		100	12.0	F	
T-100M	72110031	Blue - 100 mesh		100	12.0	F	
T-150M	72110032	Black - 150 mesh		100	12.0	F	
T-200M	72110033	Red - 200 mesh		100	12.0	F	MTO
<b>Hose Thread: Plastic In-Line Hose Filter and Screen</b>							
PIF	72500488	PIF 3/4" Plastic Inline Filter		50	17.6	C	
PIF5	72501097	PIF 120 Mesh Screen Only		100	2.2	C	



4E-3/4T-150



T-50M



T-100M

## Pipe Threaded T Filters

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



## Pipe Threaded T Filters

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

Note: BSP Models available. Chemical resistant Viton seals available.

T-Filters are available drilled and tapped for 1/8" Schrader valve. Contact Jain Customer Service for pricing.

<b>Pipe Threaded Filter Replacement Components</b>						
1 1/2 & 2-30M	12120017	1 1/2" & 2" replacement screen 30 mesh- Orange	1	2.0	B	
S-50M	12120016	1 1/2" & 2" replacement screen 50 mesh- Yellow	1	0.7	B	
S-100M	12120015	1 1/2" & 2" replacement screen 100 mesh- Blue	1	0.7	B	
S-150M	12120011	1 1/2" & 2" replacement screen 150 mesh- Black	1	0.7	B	
S-200M	12120013	1 1/2" & 2" replacement screen 200 mesh- Red	1	0.7	B	MTO
BB-015/020	12120001	1 1/2" & 2" Black Basin	12	24.0	A	
BC-015/020	12120003	1 1/2" & 2" Clear Basin	12	24.0	A	
GE-015/020	12120005	1 1/2" & 2" O-Ring EPDM	1	0.5	B	

Note: T-Filter Screens are not sintered



1 1/2 & 2-30M



S-150M



BB-015/020



GE-015/020



BC-015/020



# Turbo Disclean Filter

Model #	Part #	Description	Box Qty.	Box Wt.	Box Code	Stock Code
<b>Jain Turbo Disclean Manual Disc Filters - 120 psi (8.3 Bar) Max Pressure</b> Includes: Disclean Filter PP Reinforced Body, Disc Element with Turbo Spin Plate and 3/4" FPT PVC Purge Valve						
DCTPL30TWN	12130450	2" MPT Turbo Disclean T/L Filter with 120 Mesh, 195 Sq. Inch Disc Element - 130 Max Flow	1	14.2		MTO
DCTPL50TWN	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
<b>Jain SmartClean Vertical Manual Operated Screen Filter - 120 psi (8.3 Bar) Max. Pressure</b> Includes: SmartClean Filter with PP Reinforced Body, Manual Suction Scanner, SS Screen with PP Element and 3/4" FPT PVC Purge Valve						
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



DCTPL30TWN



DCTPL50TWN



SCVP03T-S12P-M



Disclean Filter

# Jain Y-Filters

Model #	Part #	Description	Box Qty.	Box Code	Stock Code
<b>Jain Filter with Flush Cap</b>					
JF-075-50	72130300	3/4" w/ ss screen 50 mesh	16	F	
JF-075-100	72130301	3/4" w/ ss screen 100 mesh	16	F	MTO
JF-075-150	72130302	3/4" w/ ss screen 150 mesh	16	F	
JF-075-200	72130303	3/4" w/ ss screen 200 mesh	16	F	MTO
JF-100-50	72130310	1" w/ ss screen 50 mesh	16	F	
JF-100-100	72130311	1" w/ ss screen 100 mesh	16	F	MTO
JF-100-150	72130312	1" w/ ss screen 150 mesh	16	F	
JF-100-200	72130313	1" w/ ss screen 200 mesh	16	F	MTO
<b>Jain Filter with Flush Valve</b>					
JFFV-075-150	72130322	3/4" w/ ss screen 150 mesh	16	F	
JFFV-100-150	72130332	1" w/ ss screen 150 mesh	16	F	
<b>Jain Filter Replacement Screens</b>					
RSS50	72130400	3/4" and 1" ss 50 mesh Black	30	F	MTO
RSS100	72130401	3/4" and 1" ss 100 mesh Blue	30	F	MTO
RSS150	72130402	3/4" and 1" ss 150 mesh Yellow	30	F	
RSS200	72130403	3/4" and 1" ss 200 mesh Red	30	F	MTO



JFFV-100-150



RSS150

Note: Maximum operating pressure 85 psi.



## Plastic Spin Clean Y-Filters

Model #	Part #	Description	Box Qty.	Box Wt.	Box Code	Stock Code
<b>4E 3/4" MPT with MHT Flush &amp; Cap (80 psi - 9 GPM max.) (Stainless Steel Screen)</b>						
4E-3/4A-30	72130073	Orange - 30 mesh	8	6.0	G	MTO
4E-3/4A-50	72130074	Yellow - 50 mesh	8	6.0	G	MTO
4E-3/4A-100	72130070	Blue - 100 mesh	8	6.0	G	
4E-3/4A-150	72130071	Black - 150 mesh	8	6.0	G	
4E-3/4A-200	72130072	Red - 200 mesh	8	6.0	G	
<b>4E 3/4" MPT with MHT Flush &amp; Ball Valve (80 psi - 9 GPM max.) (Stainless Steel Screen)</b>						
4E-3/4B-30	72130079	Orange - 30 mesh	6	6.0	G	MTO
4E-3/4B-50	72130080	Yellow - 50 mesh	6	6.0	G	
4E-3/4B-100	72130076	Blue - 100 mesh	6	6.0	G	
4E-3/4B-150	72130077	Black - 150 mesh	6	6.0	G	
4E-3/4B-200	72130078	Red - 200 mesh	6	6.0	G	
<b>4EH 3/4" MPT with MPT Flush &amp; Cap (150 psi - 9 gpm max.) (Stainless Steel Screen)</b>						
4EH-3/4A-30	72130113	Orange - 30 mesh	8	8.5	G	MTO
4EH-3/4A-50	72130114	Yellow - 50 mesh	8	8.5	G	MTO
4EH-3/4A-100	72130110	Blue - 100 mesh	8	8.5	G	MTO
4EH-3/4A-150	72130111	Black - 150 mesh	8	8.5	G	
4EH-3/4A-200	72130112	Red - 200 mesh	8	8.5	G	MTO
<b>4EH 3/4" MPT with MPT Flush &amp; Ball Valve (150 psi - 9 gpm max.) (Stainless Steel Screen)</b>						
4EH-3/4B-30	72130118	Orange - 30 mesh	6	12.8	F	MTO
4EH-3/4B-50	72130119	Yellow - 50 mesh	6	12.8	F	MTO
4EH-3/4B-100	72130115	Blue - 100 mesh	6	12.8	F	
4EH-3/4B-150	72130116	Black - 150 mesh	6	12.8	F	
4EH-3/4B-200	72130117	Red - 200 mesh	6	12.8	F	MTO
<b>4E 1" MPT with MHT Flush &amp; Cap (80 psi -18 gpm max.) (Stainless Steel Screen)</b>						
4E-1AN-30	72130171	Orange - 30 mesh	8	8.0	G	MTO
4E-1AN-50	72130173	Yellow - 50	8	8.0	G	
4E-1AN-100	72130175	Blue - 100 mesh	8	8.0	G	
4E-1AN-150	72130177	Black - 150 mesh	8	8.0	G	
4E-1AN-200	72130179	Red - 200 mesh	8	8.0	G	MTO

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

Model #	Part #	Description	Box Qty.	Box Wt.	Box Code	Stock Code
<b>4E 1" MPT with MHT Flush &amp; Ball Valve (80 psi - 18 gpm max.) (Stainless Steel Screen)</b>						
4E-1BN-30	72130181	Orange - 30 mesh	6	7.0	G	MTO
4E-1BN-50	72130183	Yellow - 50 mesh	6	7.0	G	
4E-1BN-100	72130185	Blue - 100 mesh	6	7.0	G	
4E-1BN-150	72130187	Black - 150 mesh	6	7.0	G	
4E-1BN-200	72130189	Red - 200 mesh	6	7.0	G	

NOTE: Available with BSP Threads - Call Customer Service for pricing and availability.

Note: All Plastic Filter models available drilled and tapped for 1/8" schrader valve. Contact Jain Customer Service for pricing and availability. Plastic Filters are not for use indoors or for static flow, continuous pressure (no-flow) conditions, hot water, or on potable water systems.



## Plastic Spin Clean Y-Filters

Model #	Part #	Description	Box Qty.	Box Wt.	Box Code	Stock Code
<b>4EH 1" MPT w/ MPT Flush &amp; Cap (150 psi - 18 gpm max.) (Stainless Steel Screen)</b>						
4EH-1AN-30	72130191	Orange - 30 mesh	6	10.0	G	MTO
4EH-1AN-50	72130193	Yellow - 50 mesh	6	10.0	G	MTO
4EH-1AN-100	72130195	Blue - 100 mesh	6	10.0	G	MTO
4EH-1AN-150	72130197	Black - 150 mesh	6	10.0	G	
4EH-1AN-200	72130199	Red - 200 mesh	6	10.0	G	MTO

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

Model #	Part #	Description	Box Qty.	Box Wt.	Box Code	Stock Code
<b>4EH 1" MPT w/ MPT Flush &amp; Ball Valve (150 psi - 18 gpm max.) (Stainless Steel Screen)</b>						
4EH-1BN-30	72130201	Orange - 30 mesh	6	7.5	G	
4EH-1BN-50	72130203	Yellow - 50 mesh	6	7.5	G	MTO
4EH-1BN-100	72130205	Blue - 100 mesh	6	7.5	G	
4EH-1BN-150	72130207	Black - 150 mesh	6	7.5	G	
4EH-1BN-200	72130209	Red - 200 mesh	6	7.5	G	MTO

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

Model #	Part #	Description	Box Qty.	Box Wt.	Box Code	Stock Code
<b>4EH 1 1/2" MPT w/ MPT Flush &amp; Ball Valve (150 psi - 55 gpm max.) (Stainless Steel Screen)</b>						
4EH-11/2-30	72130093	Orange - 30 mesh	1	5.8	G	
4EH-11/2-50	72130094	Yellow - 50 mesh	1	5.8	G	
4EH-11/2-100	72130090	Blue - 100 mesh	1	5.8	G	
4EH-11/2-150	72130091	Black - 150 mesh	1	5.8	G	
4EH-11/2-200	72130092	Red - 200 mesh	1	5.8	G	

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

Model #	Part #	Description	Box Qty.	Box Wt.	Box Code	Stock Code
<b>4EH 2" MPT w/ MPT Flush &amp; Ball Valve (150 psi - 110 gpm max.) (Stainless Steel Screen)</b>						
4EH-2P-30	72130108	Orange - 30 mesh	1	5.6	G	
4EH-2P-50	72130109	Yellow - 50 mesh	1	5.6	G	
4EH-2P-100	72130105	Blue - 100 mesh	1	5.6	G	
4EH-2P-150	72130106	Black - 150 mesh	1	5.6	G	
4EH-2P-200	72130107	Red - 200 mesh	1	5.6	G	

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. Contact Jain Customer Service for pricing.

Plastic Filters are not for use indoors or for static flow, continuous pressure (no-flow) conditions, hot water, or on potable water systems.



## Plastic Spin Clean Accessories

Model #	Part #	Description	Box Qty.	Bo Wt.	Box Code
<b>SS Replacement Screens: For 3/4" &amp; 1" Filters (Length: 5 1/4")</b>					
3/4"&1"-30M	72140035	Orange - 30 mesh screen		10.0	G
3/4"&1"-50M	72140036	Yellow - 50 mesh screen		10.0	G
3/4"&1"-100M	72140031	Blue - 100 mesh screen		10.0	G
3/4"&1"-150M	72140032	Black - 150 mesh screen		10.0	G
3/4"&1"-200M	72140034	Red - 200 mesh screen		10.0	G
<b>SS Replacement Screens: For 1 1/2" &amp; 2" Filters (Length: 7 1/4")</b>					
1 1/2" & 2"-30M	72120017	Orange - 30 mesh screen (Non-Sintered)		4.0	G
1 1/2" & 2"-50M	72140049	Yellow - 50 mesh screen		4.0	G
1 1/2" & 2"-100M	72140045	Blue - 100 mesh screen		4.0	G
1 1/2" & 2"-150M	72140046	Black - 150 mesh screen		4.0	G
1 1/2" & 2"-200M	72140047	Red - 200 mesh screen		4.0	G



Model #	Part #	Description	Box Qty.	Box Wt.	Box Code	Stock Code
<b>Spin Plates: For 3/4" &amp; 1" Filters (Length: 5 1/4")</b>						
3/4-SP	72140001	3/4" - 2 Hole (Standard), 9 GPM	10	0.5	B	
1-SP	72140002	1" - 2 Hole (Standard), 18 GPM	10	0.5	B	
1 1/2-SP-2	72140059	1 1/2" - 2 Hole, 23-28 GPM		0.5	B	
1 1/2-SP-3	72140058	1 1/2" - 3 Hole, 34-42 GPM		0.5	B	
1 1/2-SP	72140013	1 1/2" - 4 Hole, 45-55 GPM		0.5	B	MTO
2-SP-2	72140060	2" - 2 Hole, 45-55 GPM		0.5	B	
2-SP-3	72140061	2" - 3 Hole, 68-84 GPM		0.5	B	
2-SP	72140029	2" - 4 Hole, 90-110 GPM		0.5	B	



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.	Box Code
<b>Debris Basin</b>						
1 1/2 & 2-DB-H	72140007	With O-Ring: 1 1/2" & 2" Model		1	3.0	B
3/4 & 1-DB	72140038	3/4" & 1" Low Pressure		1	1.0	B
<b>O-Rings</b>						
1 1/2 & 2-Ring	72140008	Body to Basin: 1 1/2" & 2" models		1	0.1	B
3/4 & 1-Ring	72140037	Body to Basin: 3/4" & 1" models		1	0.1	B
<b>Wrench</b>						
Wrench	72140044	Wrench for 1 1/2" & 2" 4E Plastic Filters (T-Filters/Y-Filters)	1	50	45.0	F



## Steel Spin Clean Y-Filters

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

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 Spin Clean Y-Filters

Model #	Part #	Description	Box Qty.	Box Wt.	Box Code	Stock Code
<b>4" Grooved 4E Steel Filter (365 GPM max. flow)</b>						
4E-4-30	13150061	Orange - 30 mesh	1	50.0	Q	MTO
4E-4-50	13150063	Yellow - 50 mesh	1	50.0	Q	MTO
4E-4-100	13150051	Blue - 100 mesh	1	50.0	Q	MTO
4E-4-150	13150055	Black - 150 mesh	1	50.0	Q	MTO
4E-4-200	13150058	Red - 200 mesh	1	50.0	Q	MTO
<b>6" Flanged 4E Steel Filter (550 GPM max. flow)</b>						
4E-6-30F	13150072	Orange - 30 mesh	1	122.0	S	MTO
4E-6-50F	13150073	Yellow - 50 mesh	1	122.0	S	
4E-6-100F	13150067	Blue - 100 mesh	1	122.0	S	
4E-6-150F	13150069	Black - 150 mesh	1	122.0	S	
4E-6-200F	13150071	Red - 200 mesh	1	122.0	S	MTO
<b>6" Grooved 4E Steel Filter (550 GPM max. flow)</b>						
4E-6-30	13150115	Orange - 30 mesh	1	90.0	R	MTO
4E-6-50	13150116	Yellow - 50 mesh	1	90.0	R	MTO
4E-6-100	13150117	Blue - 100 mesh	1	90.0	R	MTO
4E-6-150	13150118	Black - 150 mesh	1	90.0	R	MTO
4E-6-200	13150119	Red - 200 mesh	1	90.0	R	MTO



## Steel Spin Clean Y-Filters

Model #	Part #	Description	Box Qty.	Box Wt.	Box Code	Stock Code
<b>6" Flanged High Flow 4E Steel Filter (1000 GPM max. flow)</b>						
4E-6HF-30F	13150078	Orange - 30 mesh	1	300.0	R	MTO
4E-6HF-50F	13150079	Yellow - 50 mesh	1	300.0	R	MTO
4E-6HF-100F	13150075	Blue - 100 mesh	1	300.0	R	
4E-6HF-150F	13150076	Black - 150 mesh	1	300.0	R	
4E-6HF-200F	13150077	Red - 200 mesh	1	300.0	R	MTO
<b>8" Flanged 4E Steel Filter (1300 GPM max. flow)</b>						
4E-8-30F	13150083	Orange - 30 mesh	1	330.0	R	MTO
4E-8-50F	13150084	Yellow - 50 mesh	1	330.0	R	
4E-8-100F	13150080	Blue - 100 mesh	1	330.0	R	
4E-8-150F	13150081	Black - 150 mesh	1	330.0	R	
4E-8-200F	13150082	Red - 200 mesh	1	330.0	R	MTO
<b>10" Flanged 4E Steel Filter (2200 GPM max. flow)</b>						
4E-10-30F	13150004	Orange - 30 mesh	1	545.0	U	MTO
4E-10-50F	13150005	Yellow - 50 mesh	1	545.0	U	
4E-10-100F	13150001	Blue - 100 mesh	1	545.0	U	
4E-10-150F	13150002	Black - 150 mesh	1	545.0	U	
4E-10-200F	13150003	Red - 200 mesh	1	545.0	U	MTO
<b>12" Flanged 4E Steel Filter (2800 GPM max. flow)</b>						
4E-12-30F	13150010	Orange - 30 mesh	1	640.0	U	MTO
4E-12-50F	13150011	Yellow - 50 mesh	1	640.0	U	MTO
4E-12-100F	13150007	Blue - 100 mesh	1	640.0	U	
4E-12-150F	13150008	Black - 150 mesh	1	640.0	U	MTO
4E-12-200F	13150009	Red - 200 mesh	1	640.0	U	MTO



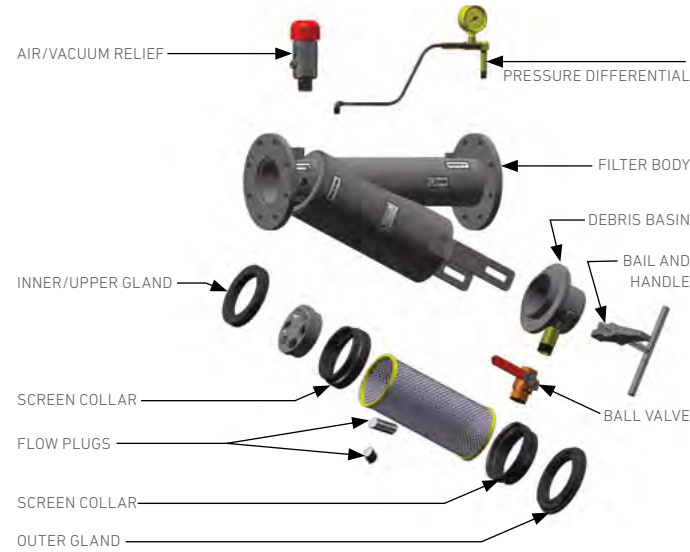
Note: 4E Epoxy Coated Steel Spin Clean Filters come complete with two flow plugs, one liquid filled pressure gauge and 3-way valve assembly, one air vent and one brass ball valve. All Steel Spin Clean Filters are packaged and crated for secure shipping. All screens are sintered 316 stainless steel mesh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

# Steel Filter Dimensions

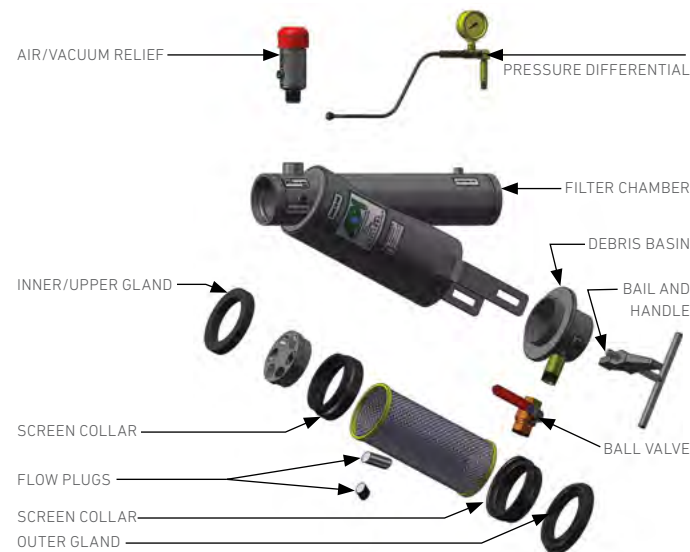
## 4E Steel Filter Screen Dimensions

Size	Diameter		Length		Length with Collar	
	in	cm	in	cm	in	cm
2" & 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

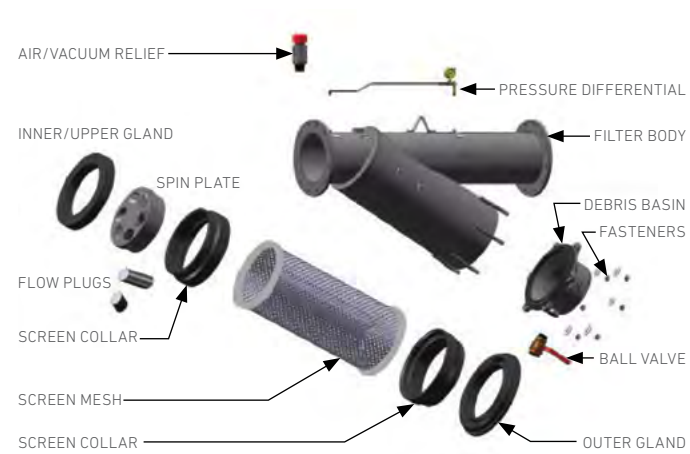
### 4E Steel Filter Flanged 2"-6"



### 4E Steel Filter Flanged 2"-6"



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



# Mesh Screens

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

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



FILTERS

FILTERS

## Mesh Screens

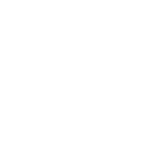
Model #	Part #	Description	Box Qty.	Box Wt.	Box Code	Stock Code
<b>SS Replacement Screens for Steel Spin Clean Filters - 4E-10"</b>						
10-30M	13180013	Orange - 30 mesh screen	1	25.0	T	MTO
10-50M	13180014	Yellow - 50 mesh screen	1	25.0	T	MTO
10-100M	13180001	Blue - 100 mesh screen	1	25.0	T	
10-150M	13180011	Black - 150 mesh screen	1	25.0	T	
10-200M	13180012	Red - 200 mesh screen	1	25.0	T	MTO
<b>SS Replacement Screens for Steel Spin Clean Filters - 4E-12"</b>						
12-30M	13180023	Orange - 30 mesh screen	1	29.0	T	MTO
12-50M	13180024	Yellow - 50 mesh screen	1	29.0	T	MTO
12-100M	13180020	Blue - 100 mesh screen	1	29.0	T	MTO
12-150M	13180021	Black - 150 mesh screen	1	29.0	T	MTO
12-200M	13180022	Red - 200 mesh screen	1	29.0	T	MTO

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.	Box Code	Stock Code
<b>Steel Spin Clean Filter Inner Gland</b>						
A-IG	13180037	For 4E-2", 3", 4" & 5E-130-3"	1	2.0	F	
B-IG	13180095	For 4E-6" & 5E-225-4"	1	2.0	F	
C-IG	13180118	For 4E-6"HF, 8" & 5E-350-6", 550-6"	1	2.0	F	
D-IG	13180004	For 4E-10", 12" & 5E-950-8", 1300-8"	1	5.0	D	
<b>Steel Spin Clean Filter Outer Gland</b>						
A-OG	13180040	For 4E-2", 3", 4" & 5E-130-3"	1	2.0	F	
B-OG	13180097	For 4E-6" & 5E-225-4"	1	2.0	F	
C-OG	13180121	For 4E-6"HF, 8" & 5E-350-6", 550-6"	1	2.0	F	
D-OG	13180007	For 4E-10", 12" & 5E-950-8", 1300-8"	1	5.0	D	
<b>Steel Spin Clean Filter Plastic Collar</b>						
A-PC	13180043	For 4E-2", 3", 4"	1	2.0	B	
A130-PC	13180150	For 5E-130-3"	1	2.0	A	MTO
B-PC	13180100	For 4E-6" & 5E-225-4"	1	2.0	A	
C-PC	13180124	For 4E-6"HF, 8" & 5E-350-6", 550-6"	1	2.0	F	
D-PC	13180010	For 4E-10", 12" & 5E-950-8", 1300-8"	1	2.0	B	
<b>Flow Plugs for 4E Filters</b>						
2-FP	13180049	For 4E-2"	16	6.0	B	MTO
3-FP	13180055	For 4E-3"	16	6.0	B	
4-FP	13180071	For 4E-4"	16	6.0	B	
6-FP	13180087	For 4E-6"	16	6.0	B	
6-HF-FP	13180093	For 4E-6"HF	16	6.0	B	
8-FP	13180116	For 4E-8"	16	6.0	B	
10-FP	13180016	For 4E-10"	16	6.0	B	
12-FP	13180025	For 4E-12"	16	6.0	B	MTO



## Steel Spin Clean Accessories

Model #	Part #	Description	Stock Code
<b>4E Spin Plates</b>			
2-SP	13180051	For 4E-2" (PVC)	MTO
3-SP	13180056	For 4E-3" (PVC)	
SP-4	13180072	For 4E-4" (PVC)	
6-SP	13180102	For 4E-6" (PVC)	
6-HFSP	13180094	For 4E-6" wth Cone (alum)	MTO
8-SP	13180126	For 4E-8" (alum.)	
10-SP	13180018	For 4E-10" (alum.)	MTO
12-SP	13180027	For 4E-12" (alum.)	MTO
<b>4E Spin Plates with Sand Guard</b>			
2-SPSG	13180053	For 4E-2" (PVC)	MTO
3-SPSG	13180057	For 4E-3" (PVC)	MTO
4-SPSG	13180073	For 4E-4" (PVC)	MTO
6-SPSG	13180103	For 4E-6" (PVC)	MTO
6HF-SPSG	13180005	For 4E-6" with Cone (alum)	MTO
8-SPSG	13180008	For 4E-8" (alum)	MTO
10-SPSG	13180015	For 4E-10" (alum)	MTO
12-SPSG	13180017	For 4E-12" (alum)	MTO
<b>4E Debris Basin</b>			
234-DB-CC	13180035	For 4E-2", 3", 4" (Coated)	
6-DB-CC	13180086	For 4E-6" (Coated)	MTO
8-DB	13180114	For 4E-6HF and 4E-8" (alum)	MTO
10-12-DB	13180002	For 4E-10", 12" (alum)	MTO
<b>4E Bale / Handle</b>			
234-BH	13180034	Standard	
6-BH	13180083	Large	MTO
<b>4E Filter Automatic Purge Kit</b>			
4E-APK	13280020	Includes filtron PD Battery Operated Controller, 2" Hydraulic Y-Valve, Mount and Fittings	

Note: For use with 6"HF to 12" Y-Filters



SP-4



10-SP



## Steel Spin Clean Accessories

Model #	Part #	Description	Box Qty.	Box Wt.	Box Code	Stock Code
<b>Inserts for 5E-SWF Filters</b>						
FI-130	13180156	For 5E-130-3"	16	5.0	B	MTO
FI-225	13180155	For 5E-225-4"	16	5.0	B	MTO
FI-350	13180154	For 5E-350-6"	16	5.0	B	MTO
FI-550	13180153	For 5E-550-6"	16	5.0	B	MTO
FI-950	13180152	For 5E-950-8"	16	5.0	B	MTO
FI-1300	13180151	For 5E-1300-8"	16	5.0	B	MTO
FI-40	13170006	For 5E-40	16	5.0	B	MTO
<b>4E 3-Way Pressure Gauge Valve Kit</b> Converts Dual Gauges 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	1	0.6	B	



# Jain Media Filter Systems

- 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



# Jain Media Filtration Systems Model Builder

## Jain Media Filter System Specification Builder

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

<b>Series:</b>	MFS = Media Filter, Single chamber
<b>Tank Diameter:</b>	48", 36" or 24" (36" and 24" by special oder)
<b># of Tanks:</b>	24"; 2 to 3 (by special order) 36"; 2 to 3 (by special order) 48"; 2 to 12 (additional tanks by special order)
<b>Inlet and Outlet Size:</b>	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
<b>Configurations:</b>	E = End fed systems T = T fed systems H = H fed systems
<b>Controllers:</b>	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
<b>Solenoid:</b>	G = GemSol, P = Parker 12D = 12VDC, 24A = 24VAC, 12L = 12V latching

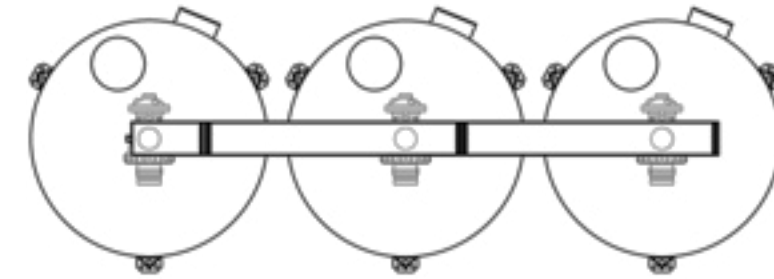


# Jain Media Filtration Systems

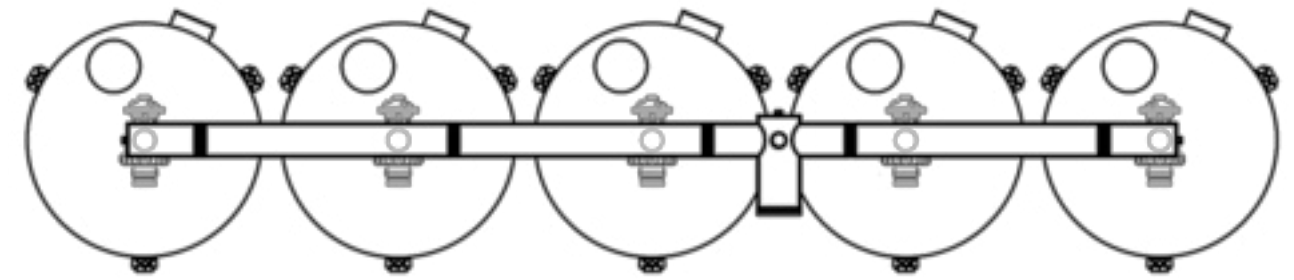
Model #	Part #	DESCRIPTION	Dirty H2 Qmin gpm	Clean H2O Qmax gpm	Warranty		Wt Lbs	Vol ft3
					Pmax psi	Pmin psi		
<b>End Feed</b>								
MFS-4802-06E-F3P12D	1364026136	Jain Media Filter Sta w Cast Iron Single Chamber 48" Tanks (2), FV&C 6" SS End Feed manifold, FV&C backwash Valve, Alextronix Cntrl 12VDC Prkr	375	625	100	20	1,152	180
MFS-4803-06E-F3P12D	1364036136	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	100	20	1,738	271
MFS-4804-08E-F4P12D	1364038136	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	100	20	2,390	371
<b>T Feed Systems</b>								
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	100	20	2,389	370
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	100	20	2,974	461
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	100	20	3,560	553
<b>H Feed Systems</b>								
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	100	20	4,330	664
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	100	20	4,915	755
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	100	20	5,853	872
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 Prker	1,875	3,125	100	20	6,457	965
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	100	20	7,061	1,059
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	100	20	7,665	1,153

- 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

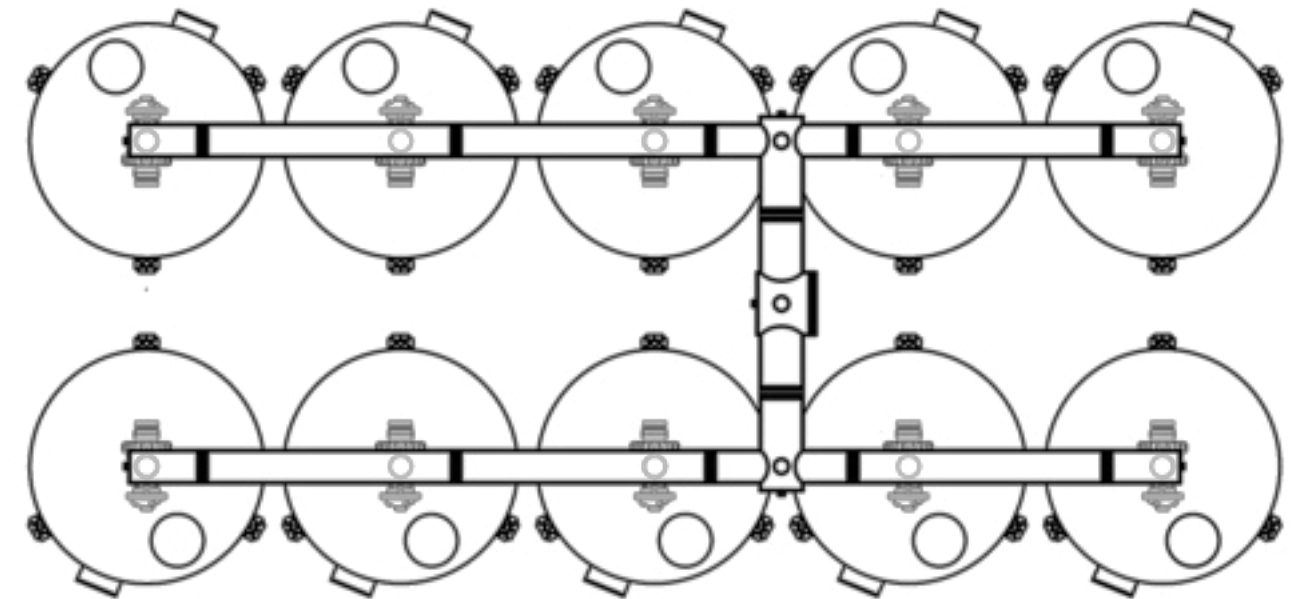
# Jain Media Filtration Systems



End Feed E Configuration / Tanks 52" on Center (4E6)



48" Tanks Center Fed T Configuration / Tanks 52" on Center (5T10)



48" Tanks Two Rows Center Fed H Configuration / Tanks 52" on Center, Rows 72" on center (10H14)

## Jain Media Filtration Kits

Model	PN	DESCRIPTION	Weight (Lbs)	Volume (ft³)
<b>Flush Manifold Kits</b>				
MF FK2E6	13350500	Flsh Mfold Kit: Rstrc Vlv, Site Tube, Fittings & Pipe 2E6	58	5
MF FK3E6	13350501	Flsh Mfold Kit: Rstrc Vlv, Site Tube, Fittings & Pipe 3E6	69	6
MF FK4E8	13350502	Flsh Mfold Kit: Rstrc Vlv, Site Tube, Fittings & Pipe 4E8, 4T10	81	7
MF FK5T10	13350503	Flsh Mfold Kit: Rstrc Vlv, Site Tube, Fittings & Pipe 5T10	92	7
MF FK6T10	13350504	Flsh Mfold Kit: Rstrc Vlv, Site Tube, Fittings & Pipe 6T10	104	8
MF FK7H12	13350505	Flsh Mfold Kit: Rstrc Vlv, Site Tube, Fittings & Pipe 7H12	121	9
MF FK8H12	13350506	Flsh Mfold Kit: Rstrc Vlv, Site Tube, Fittings & Pipe 8H12	132	10
MF FK9H14	13350507	Flsh Mfold Kit: Rstrc Vlv, Site Tube, Fittings & Pipe 9H14	144	11
MF FK10H14	13350508	Flsh Mfold Kit: Rstrc Vlv, Site Tube, Fittings & Pipe 10H14	155	12
MF FK11H12	13350509	Flsh Mfold Kit: Rstrc Vlv, Site Tube, Fittings & Pipe 11H14	166	13
MF FK12H12	13350510	Flsh Mfold Kit: Rstrc Vlv, Site Tube, Fittings & Pipe 12H14	178	13
<b>Wiring Kits</b>				
MF WK2E6	13350520	MF Wiring Kit: Conduit, Fittings, Wire, Wire connectors 2E6	5	1
MF WK3E6	13350521	MF Wiring Kit: Conduit, Fittings, Wire, Wire connectors 3E6	8	1
MF WK4E8	13350522	MF Wiring Kit: Conduit, Fittings, Wire, Wire connectors 4E8	11	1
MF WK4T10	13350523	MF Wiring Kit: Conduit, Fittings, Wire, Wire connectors 4T10	10	1
MF WK5T10	13350524	MF Wiring Kit: Conduit, Fittings, Wire, Wire connectors 5T10	12	2
MF WK6T10	13350525	MF Wiring Kit: Conduit, Fittings, Wire, Wire connectors 6T10	15	2
MF WK7H12	13350526	MF Wiring Kit: Conduit, Fittings, Wire, Wire connectors 7H12	17	2
MF WK8H12	13350527	MF Wiring Kit: Conduit, Fittings, Wire, Wire connectors 8H12	20	2
MF WK9H14	13350528	MF Wiring Kit: Conduit, Fittings, Wire, Wire connectors 9H14	22	3
MF WK10H14	13350529	MF Wiring Kit: Conduit, Fittings, Wire, Wire connectors 10H14	25	3
MF WK11H14	13350530	MF Wiring Kit: Conduit, Fittings, Wire, Wire connectors 11H14	27	3
MF WK12H14	13350531	MF Wiring Kit: Conduit, Fittings, Wire, Wire connectors 12H14	30	4
<b>Vent &amp; Pressure Relief Kit</b>				
MF VRK E6	13350540	MF Vnt Rlf Kit: Combination Air Vent, Pressure Relief & Ftgs 2E6, 3E6	49	1
MF VRK E8	13350541	MF Vnt Rlf Kit: Combination Air Vent, Pressure Relief & Ftgs 3E8	74	2
MF VRK T	13350542	MF Vnt Rlf Kit: Combination Air Vent, Pressure Relief & Ftgs T	33	1
MF VRK H	13350543	MF Vnt Rlf Kit: Cmb Air Vent, Pressure Relief & Ftgs H	67	2
<b>Pressure Sustaining Kit</b>				
MF PSK E6	13350550	MF Prs Sst Kit; PSM Vlv, Cnc Adpts & Hrdwr E6	61	1
MF PSK E8	13350551	MF Prs Sst Kit; PSM Vlv, Cnc Adpts & HrdwrE8	184	2
MF PSK T10	13350552	MF Prs Sst Kit; PSM Vlv, Cnc Adpts & Hrdwr T10	249	5
MF PSK H12	13350553	MF Prs Sst Kit; PSM Vlv, Cnc Adpts & Hrdwr H12	548	11
MF PSK H14	13350554	MF Prs Sst Kit; PSM Vlv, Cnc Adpts & Hrdwr H14	559	13

- Filtration Systems do not include these kits
- Match kit to the system using the code in the kit description
- Example: 6T10 = 6 Tank, T configuration, 10" inlet

## Jain Media Filtration Kits

For these items please see the catalog section listed below.

Item	Catalog Section
Y Filter & Screen	See Plastic Filters section. Specify 4EH-3/4B-100 (PN 72130115)
Gauges	See Accessories section, Specify LFG-100 (PN 12070347)
Hydraulic PE Fittings	See Hydraulic Valve section
PE Tubing; Tank to Tank	See Hydraulic Valve section. 375x250-750PE (PN 11190624) 15'/tnk
PE Tubing; TOK to Cntrl	See Hydraulic Valve section. 315x208-1000PE (PN 11190737) 15'/TOK
Air Vents	See Air Vent Section, specify ARV-2 (PN12090020) 1/E or T Sys, 2/H Sys
Pressure Relief Valve	See Hydraulic Valve section specify. A020Gh-PSs (PN 14109199). 1/E or T SYS, 2/T Sys
Pressure Sustaining Valve	See Valve section; Size by flow and specify C___Fh-M0PSs
Restricting valve	See valve section, specify BGV-040 (pn 12220271)



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)
<b>Components</b>						
JMCS4	13600004	MF Tnk Stl Coated Sngl Chmbr 48"	470	52	55	52
BW Vlv 4F	33049006	FV&C BW Vlv 4"x4"x4" (1/Tnk)	30	15.5	6.75	8
ALEX-F3	13350103	Alex F3 Controller (1/Sys)	9	8	8	5
ALEX-F4	13350104	Alex F4 Controller(1/Sys)	9	8	8	5
ALEX-F8	13350108	Alex F8 Controller (1/Sys)	9	8	8	5
ALEX-F12	13350112	Alex F12 Controller (1/Sys)	15	13	10	5
ALEX-F16	13350116	Alex F16 Controller (1/Sys)	15	13	10	5
P12D	13350256	Parker 12 VDC Solenoid Kit (1/Tnk)	1.6	4	3	3
P24A	13350254	Parker 24VAC Solenoid Kit (1/Tnk)	1.6	4	3	3
P12L	13350252	Parker 12V Ltch Solenoid kit (1/Tnk)	1.6	4	3	3
MF TOK	33049071	Media Filter Take off Kit (1/Sys)	2.8	12	8	4
STB6x4SS	13350432	MF Mfold Stub 6x4 SS	9	15	10	7
STB8x4SS	13350433	MF Mfold Stub 8x4 SS	12	15	12	9
STB10x4SS	13350434	MF Mfold Stub 10x4 SS	15	15	14	11
GBE6x4SS	33049065	MF Mfold GBE 6x4 SS	25	52	10	7
GBE8x4SS	13350279	MF Mfold GBE 8x4 SS	32	52	12	9
GBE10x4SS	13350273	MF Mfold GBE 10x4 SS	40	52	14	11
MT6x8SS	13350226	MF Mfold T6x8SS	35	22	14	30
MT8x10SS	13350293	MF Mfold T8x10SS	45	23	16	30
MT10x12SS	13350289	MF Mfold T10x12SS	54	24	18	30
XOT8x12	13350286	MF Mfold XoT8x12SS	50	40	15	20
XOT10x14	13350446	MF Mfold XoT10x14SS	80	40	17	22
XOT12x16	13350447	MF Mfold XoT12x16SS	95	40	19	24
EL45 6x2	13350420	MF Mfold EL 45 Vnt 6x2	10	12	11	7
EL45 8x2	13350421	MF Mfold EL 45 Vnt 8x6	15	14	13	9
EL45 10x2	13350422	MF Mfold EL 45 Vnt 10x6	20	15	16	11



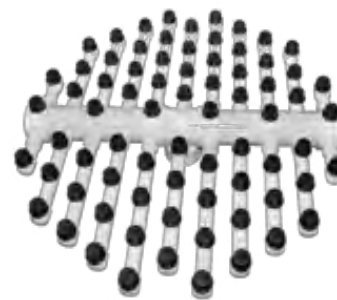
BW Vlv 4F



MF TOK Upper



MF TOK Lower



MFUD48



MF TOK at Controller



304L Stainless Steel Manifold with Grooved Iron Clamps

# Jain Media Filtration Parts

Model #	Part #	DESCRIPTION	Wt (lbs)	L (in)	H (in)	W (in)
<b>Parts</b>						
13350322	GC-2	Clmp Irrn Grv 2" cmplt	1.8	5.08	1.85	3.31
13350321	GC-3	Clmp Irrn Grv 3" cmplt	2.8	6.46	2.05	5.07
13350320	GC-4	Clmp Irrn Grv 4" cmplt	4.1	7.76	2.05	5.71
13350326	GC-6	Clmp Irrn Grv 6" cmplt	10.55	2.09	7.87	7.87
13350328	GC-8	Clmp Irrn Grv 8" cmplt	12.8	13.27	2.44	10.24
13350329	GC-10	Clmp Irrn Grv 10" cmplt	18	13.78	2.56	13.5
13350323	GC-12	Clmp Irrn Grv 12" cmplt	23.8	15.75	2.56	15.35
13350324	GC-14	Clmp Irrn Grv 14" cmplt	34.5	19.8	2.95	16.23
13350325	GC-16	Clmp Irrn Grv 16" cmplt	37	21.85	2.95	18.23
12292009	GN-2P	Ftg PVC SCH80 Adpt PE x Grv 2"	0.34	4	2.5	2.5
12292010	GN-3P	Ftg PVC SCH80 Adpt PE x Grv 3"	0.7	4	3.5	3.5
12292011	GN-4P	Ftg PVC SCH80 Adpt PE x Grv 4"	1	6	4.5	4.5
12292013	GN-6P	Ftg PVC SCH80 Adpt PE x Grv 6"	1.75	6	6.7	6.7
12292014	GN-8P	Ftg PVC SCH80 Adpt PE x Grv 8"	2.7	6	8.7	8.7
12292015	GN-10P	Ftg PVC SCH80 Adpt PE x Grv 10"	4	7.5	10.5	10.5
12292019	GN-12P	Ftg PVC SCH80 Adpt PE x Grv 12"	6	7.5	12.5	12.5
12292021	GN-14P	Ftg PVC SCH80 Adpt PE x Grv 14"	7	8	14	14
12292022	GN-16P	Ftg PVC SCH80 Adpt PE x Grv 16"	10	10	16	16
12292016	GMA-2P	Ftg PVC SCH80 Adpt MIPT x Grv 2"	0.34	4	2.5	2.5
33049186	GP-6P	Ftg PVC End Plate Grv 6" CL100	0.7	6.7	0.7	6.7
33049044	CAP-4P	Ftg PVC Cap fipt 4" CL100	0.75	3	4.5	4.5
33049040	LID-8	MF LID 8" EPX Carbon Steel	6	9	0.4	9
33049038	LID-10	MF LID 10" EPX Carbon Steel	9	11	0.4	11
33049041	LID-G8	MF LID, Gasket 8"	0.25	4	0.4	4
33049042	LID-G10	MF LID, Gasket 10"	0.25	5	0.4	5
33049050	MFST-4	MF Sight Tube 4"	2	12	4.5	4.5
12292050	FPFA-4P	Ftg PVC SCH40 FA 4"	1.2	6	5	5
12292051	FPMA-4P	Ftg PVC SCH40 MA 4"	1.2	6	5	5
12292052	FPTEE-4P	Ftg PVC SCH40 T slip 4"	2.35	9	5	7
12292053	FPEL-4P	Ftg PVC SCH40 EL slip 4"	1.8	7	5	7
12292035	PP-4x46	Pipe PVC IPS CL100 SW 4"	4	46	4.5	4.5
12292036	PP-2x46	Pipe PVC IPS CL100 SW 2"	2.4	46	2.5	2.5
12292043	FPEL-2P	Ftg PVC SCH40 EL slip 2"	0.5	5	2.5	2.5
12292041	FPMA-2P	Ftg PVC Sch40 MA 2"	0.3	2.5	2.5	2.5
13350360	MFSHRM	MF Diffuser	0.07	2.8	2.22	2.22
13350050	MFUD48	MF Underdrain 48" Kit less diffusers	24	44	6	12
13350060	LID-BWK	MF LID, Bolt/Washer Kit (one per hole)	0.25	1	1	1
13350252	LSK-12VDCL	Solar Kit	15	16	18	14
33040022	MF-CMA	MF Controller Mount	2	30	12	2
13350222	MFWR18-7	MF DB Irr Cable 22 AWG 7 (10'/tank) 300'/rool	12	8	6	6
13350223	MFWRC3-18	MF Wire Connector 3-18	0.01	0.25	0.2	0.3
13350490	MFWRCMA	Elec Conduit Ftg MA 1/2"	0.1	0.25	0.30	0.20
13350491	MFWRCT	Elec Flex Conduit 1/2" (20'coil)	2	16	4	16
13350491	MFWRCT	Elec Conduit T Junction Box 1/2"	0.2	3	1	2
13350222	MFWRCCR	MF Conduit retainer	0.01	1	0.25	1



GC-6



CAP-4P



MFMSHRM



LID-10 / LID-G10 / LIDBWK



MFWRCCR



MFWRC3-18



MFWR18-7



LSK-12VDC

FILTERS

FILTERS

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12110001	T-015B-150	E-02	\$194.03
12110002	T-015B-30	E-02	\$194.03
12110003	T-015C-30	E-02	\$218.75
12110004	T-015B-200	E-02	\$194.03
12110005	T-020B-30	E-03	\$218.75
12110006	T-020C-30	E-03	\$242.23
12110007	T-015C-150	E-02	\$218.75
12110009	T-015C-200	E-02	\$218.75
12110012	T-020B-100	E-03	\$218.75
12110015	T-020B-150	E-03	\$218.75
12110018	T-020B-200	E-03	\$218.75
12110021	T-020B-50	E-03	\$218.75
12110023	T-020C-100	E-03	\$242.23
12110025	T-020C-150	E-03	\$242.23
12110027	T-020C-200	E-03	\$242.23
12110029	T-020C-50	E-03	\$242.23
12110047	T-015C-50	E-02	\$218.75
12110052	T-015B-50	E-02	\$194.03
12110053	T-015B-100	E-02	\$194.03
12110054	T-015C-100	E-02	\$218.75
12120001	BB-015/020	E-03	\$91.75
12120003	BC-015/020	E-03	\$103.22
12120005	GE-015/020	E-03	\$5.28
12120011	S-150M	E-03	\$147.07
12120013	S-200M	E-03	\$147.07
12120015	S-100M	E-03	\$147.07
12120016	S-50M	E-03	\$147.07
12120017	11/2 & 2-30M	E-03	\$160.67
12130450	DCTPL30TWN	E-04	\$375.47
12130460	DCTPL50TWN	E-04	\$549.66
12292010	GN-3P	E-25	\$24.50
12292011	GN-4P	E-25	\$27.35
12292013	GN-6P	E-25	\$63.14
12292014	GN-8P	E-25	\$94.20
12292015	GN-10P	E-25	\$129.77
12292016	GMA-2P	E-25	\$69.46
12292019	GN-12P	E-25	\$201.45
12292021	GN-14P	E-25	\$129.53
12292022	GN-16P	E-25	\$185.04
12292035	PP-4x46	E-25	\$35.87
12292036	PP-2x46	E-25	\$10.54

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12292041	FPMA-2P	E-25	\$2.87
12292043	FPEL-2P	E-25	\$14.38
12292050	FPFA-4P	E-25	\$13.25
12292051	FPMA-4P	E-25	\$12.74
12292052	FPTEE-4P	E-25	\$33.54
12292053	FPEL-4P	E-25	\$22.30
13150001	4E-10-100F	E-11	\$16,326.82
13150002	4E-10-150F	E-11	\$16,326.82
13150003	4E-10-200F	E-11	\$16,326.82
13150004	4E-10-30F	E-11	\$16,326.82
13150005	4E-10-50F	E-11	\$16,326.82
13150007	4E-12-100F	E-11	\$19,028.39
13150008	4E-12-150F	E-11	\$19,028.39
13150009	4E-12-200F	E-11	\$19,028.39
13150010	4E-12-30F	E-11	\$19,028.39
13150011	4E-12-50F	E-11	\$19,028.39
13150012	4E-2-100G	E-09	\$3,350.39
13150013	4E-2-100F	E-09	\$3,527.12

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13150016	4E-2-150G	E-09	\$3,350.39
13150017	4E-2-150F	E-09	\$3,527.12
13150021	4E-2-200G	E-09	\$3,350.39
13150022	4E-2-200F	E-09	\$3,527.12
13150027	4E-2-30F	E-09	\$3,527.12
13150028	4E-2-50G	E-09	\$3,350.39
13150029	4E-2-50F	E-09	\$3,527.12
13150031	4E-3-100	E-09	\$3,810.13
13150032	4E-3-100F	E-09	\$3,988.09
13150036	4E-3-150	E-09	\$3,810.13
13150037	4E-3-150F	E-09	\$3,988.09
13150040	4E-3-200	E-09	\$3,810.13
13150041	4E-3-200F	E-09	\$3,988.09
13150044	4E-3-30	E-09	\$3,810.13
13150045	4E-3-30F	E-09	\$3,988.09
13150046	4E-3-50	E-09	\$3,810.13
13150047	4E-3-50F	E-09	\$3,988.09
13150051	4E-4-100	E-10	\$4,122.80
13150052	4E-4-100F	E-09	\$4,258.74
13150055	4E-4-150	E-10	\$4,122.80
13150056	4E-4-150F	E-09	\$4,258.74
13150058	4E-4-200	E-10	\$4,122.80
13150059	4E-4-200F	E-09	\$4,258.74
13150061	4E-4-30	E-10	\$4,122.80
13150062	4E-4-30F	E-09	\$4,258.74
13150063	4E-4-50	E-10	\$4,122.80
13150064	4E-4-50F	E-09	\$4,258.74
13150067	4E-6-100F	E-10	\$5,924.67
13150069	4E-6-150F	E-10	\$5,924.67
13150071	4E-6-200F	E-10	\$5,924.67
13150072	4E-6-30F	E-10	\$5,924.67
13150073	4E-6-50F	E-10	\$5,924.67
13150075	4E-6HF-100F	E-11	\$10,122.85
13150076	4E-6HF-150F	E-11	\$10,122.85
13150077	4E-6HF-200F	E-11	\$10,122.85
13150078	4E-6HF-30F	E-11	\$10,122.85
13150079	4E-6HF-50F	E-11	\$10,122.85
13150080	4E-8-100F	E-11	\$11,144.90
13150081	4E-8-150F	E-11	\$11,144.90
13150082	4E-8-200F	E-11	\$11,144.90
13150083	4E-8-30F	E-11	\$11,144.90

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13150084	4E-8-50F	E-11	\$11,144.90
13150086	4E-2-30G	E-09	\$3,350.39
13150115	4E-6-30	E-10	\$5,924.67
13150116	4E-6-50	E-10	\$5,924.67
13150117	4E-6-100	E-10	\$5,924.67
13150118	4E-6-150	E-10	\$5,924.67
13150119	4E-6-200	E-10	\$5,924.67
13170006	FI-40	E-17	\$5.61
13170110	SCVP03T-S12P-M	E-04	CALL
13180001	10-100M	E-14	\$4,285.93
13180002	10-12-DB	E-16	\$3,423.31
13180004	D-IG	E-15	\$149.54
13180005	6HF-SPSG	E-16	\$1,693.12
13180007	D-OG	E-15	\$155.72
13180008	8-SPSG	E-16	\$1,118.45
13180010	D-PC	E-15	\$160.67
13180011	10-150M	E-14	\$4,285.93
13180012	10-200M	E-14	\$4,285.93
13180013	10-30M	E-14	\$4,285.93
13180014	10-50M	E-14	\$4,285.93
13180015	10-SPSG	E-16	\$1,663.46
13180016	10-FP	E-15	\$58.77
13180017	12-SPSG	E-16	\$2,825.16
13180018	10-SP	E-16	\$1,672.11
13180020	12-100M	E-14	\$4,923.63
13180021	12-150M	E-14	\$4,923.63
13180022	12-200M	E-14	\$4,923.63
13180023	12-30M	E-14	\$4,923.63
13180024	12-50M	E-14	\$4,923.63
13180025	12-FP	E-15	\$58.77
13180027	12-SP	E-16	\$1,919.28
13180030	2-3-100M	E-13	\$720.51
13180031	2-3-150M	E-13	\$720.51
13180032	2-3-200M	E-13	\$720.51
13180033	2-3-30M	E-13	\$720.51
13180034	234-BH	E-16	\$294.14
13180035	234-DB-CC	E-16	\$1,046.77
13180037	A-IG	E-15	\$32.36
13180040	A-OG	E-15	\$32.36
13180043	A-PC	E-15	\$35.28
13180045	2-3-50M	E-13	\$720.51



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13180049	2-FP	E-15	\$7.93
13180051	2-SP	E-16	\$341.10
13180053	2-SPSG	E-16	\$629.05
13180055	3-FP	E-15	\$7.93
13180056	3-SP	E-16	\$355.93
13180057	3-SPSG	E-16	\$629.05
13180058	4-100M	E-13	\$773.65
13180059	4-150M	E-13	\$773.65
13180060	4-200M	E-13	\$773.65
13180061	4-30M	E-13	\$773.65
13180063	4--50M	E-13	\$773.65
13180071	4-FP	E-15	\$7.93
13180072	SP-4	E-16	\$368.29
13180073	4-SPSG	E-16	\$671.07
13180077	6-100M	E-13	\$1,529.99
13180078	6-150M	E-13	\$1,529.99
13180079	6-200M	E-13	\$1,529.99
13180080	6-30M	E-13	\$1,529.99
13180081	6-50M	E-13	\$1,529.99
13180083	6-BH	E-16	\$400.42
13180086	6-DB-CC	E-16	\$1,227.20
13180087	6-FP	E-15	\$15.85
13180088	6HF-100M	E-13	\$2,948.74
13180089	6HF-150M	E-13	\$2,948.74
13180090	6HF-200M	E-13	\$2,948.74
13180091	6HF-30M	E-13	\$2,948.74
13180092	6HF-50M	E-13	\$2,948.74
13180093	6-HF-FP	E-15	\$58.77
13180094	6-HFSP	E-16	\$1,863.67
13180095	B-IG	E-15	\$40.78
13180097	B-OG	E-15	\$44.31
13180100	B-PC	E-15	\$38.23
13180102	6-SP	E-16	\$412.78
13180103	6-SPSG	E-16	\$811.96
13180106	8-100M	E-13	\$3,223.10
13180108	8-150M	E-13	\$3,223.10
13180109	8-200M	E-13	\$3,223.10
13180110	8-30M	E-13	\$3,223.10
13180111	8-50M	E-13	\$3,223.10
13180114	8-DB	E-16	\$1,788.28
13180116	8-FP	E-15	\$58.77

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13180118	C-IG	E-15	\$110.56
13180121	C-OG	E-15	\$118.86
13180124	C-PC	E-15	\$101.40
13180126	8-SP	E-16	\$609.28
13180150	A130-PC	E-15	\$88.19
13180151	FI-1300	E-17	\$5.88
13180152	FI-950	E-17	\$5.88
13180153	FI-550	E-17	\$5.88
13180154	FI-350	E-17	\$5.88
13180155	FI-225	E-17	\$5.88
13180156	FI-130	E-17	\$5.88
13280002	3-WAY KIT	E-17	\$245.94
13280020	4E-APK	E-16	\$3,588.78
13350050	MFUD48	E-25	\$405.00
13350060	LID-BWK	E-25	\$4.00
13350103	ALEX-F3	E-24	\$3,361.52
13350104	ALEX-F4	E-24	\$3,836.08
13350108	ALEX-F8	E-24	\$4,339.07
13350112	ALEX-F12	E-24	\$5,304.27
13350116	ALEX-F16	E-24	\$6,092.75
13350222	MFWR18-7	E-25	\$0.99
13350222	MFWRCR	E-25	\$0.99
13350223	MFWRC3-18	E-25	\$0.74
13350226	MT6x8SS	E-24	\$2,215.82
13350252	P12L	E-24	\$795.89
13350252	LSK-12VDCL	E-25	\$795.89
13350254	P24A	E-24	\$685.90
13350256	P12D	E-24	\$795.89

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13350273	GBE10x4SS	E-24	\$0.00
13350279	GBE8x4SS	E-24	\$0.00
13350286	XOT8x12	E-24	\$0.00
13350289	MT10x12SS	E-24	\$0.00
13350293	MT8x10SS	E-24	\$0.00
13350320	GC-4	E-25	\$36.42
13350321	GC-3	E-25	\$28.46
13350322	GC-2	E-25	\$39.80
13350323	GC-12	E-25	\$226.21
13350324	GC-14	E-25	\$395.25
13350325	GC-16	E-25	\$481.48
13350326	GC-6	E-25	\$63.43
13350328	GC-8	E-25	\$104.03
13350329	GC-10	E-25	\$273.13
13350360	MFSHRM	E-25	\$0.00
13350420	EL45 6x2	E-24	\$423.93
13350421	EL45 8x2	E-24	\$525.81
13350422	EL45 10x2	E-24	\$667.69
13350432	STB6x4SS	E-24	\$373.27
13350433	STB8x4SS	E-24	\$468.68
13350434	STB10x4SS	E-24	\$624.71
13350446	XOT10x14	E-24	\$2,219.42
13350447	XOT12x16	E-24	\$2,661.94
13350490	MFWRMCA	E-25	\$1.85
13350491	MFWRCT	E-25	\$10.54
13350500	MF FK2E6	E-22	\$923.00
13350501	MF FK3E6	E-22	\$1,046.00
13350502	MF FK4E8	E-22	\$1,169.00
13350503	MF FK5T10	E-22	\$1,292.00
13350504	MF FK6T10	E-22	\$1,414.00
13350505	MF FK7H12	E-22	\$1,604.00
13350506	MF FK8H12	E-22	\$1,727.00
13350507	MF FK9H14	E-22	\$1,850.00
13350508	MF FK10H14	E-22	\$1,972.00
13350509	MF FK11H12	E-22	\$2,095.00
13350510	MF FK12H12	E-22	\$2,218.00
13350520	MF WK2E6	E-22	\$126.00
13350521	MF WK3E6	E-22	\$194.00
13350522	MF WK4E8	E-22	\$262.00
13350523	MF WK4T10	E-22	\$252.00
13350524	MF WK5T10	E-22	\$316.00

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13350525	MF WK6T10	E-22	\$381.00
13350526	MF WK7H12	E-22	\$437.00
13350527	MF WK8H12	E-22	\$501.00
13350528	MF WK9H14	E-22	\$565.00
13350529	MF WK10H14	E-22	\$630.00
13350530	MF WK11H14	E-22	\$694.00
13350531	MF WK12H14	E-22	\$758.00
13350540	MF VRK E6	E-22	\$3,252.00
13350541	MF VRK E8	E-22	\$3,735.00
13350542	MF VRK T	E-22	\$2,885.00
13350543	MF VRK H	E-22	\$5,770.00
13350550	MF PSK E6	E-22	\$1,302.00
13350551	MF PSK E8	E-22	\$3,778.00
13350552	MF PSK T10	E-22	\$5,961.00
13350553	MF PSK H12	E-22	\$43,425.00
13350554	MF PSK H14	E-22	\$43,425.00
13600004	JMCS4	E-24	\$2,747.86
33040022	MF-CMA	E-25	\$516.54
33049006	BW Vlv 4F	E-24	\$973.60
33049038	LID-10	E-25	\$216.28

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33049040	LID-8	E-25	\$216.28
33049041	LID-G8	E-25	\$787.24
33049042	LID-G10	E-25	\$0.00
33049044	CAP-4P	E-25	\$0.00
33049050	MFST-4	E-25	\$637.70
33049065	GBE6x4SS	E-24	\$0.00
33049071	MF TOK	E-24	\$419.44
33049186	GP-6P	E-25	\$38.54
33080500	TF02D	E-26	\$943.74
33080501	TF02DE	E-26	\$0.00
33080510	TF02A	E-26	\$998.31
33080511	TF02AE	E-26	\$0.00
72110031	T-100M	E-02	\$7.87
72110032	T-150M	E-02	\$7.87
72110033	T-200M	E-02	\$9.84
72110035	T-50M	E-02	\$7.87
72120017	11/2" & 2"-30M	E-08	\$163.88
72130070	4E-3/4A-100	E-06	\$36.14
72130071	4E-3/4A-150	E-06	\$36.14
72130072	4E-3/4A-200	E-06	\$36.14
72130073	4E-3/4A-30	E-06	\$36.14
72130074	4E-3/4A-50	E-06	\$36.14
72130076	4E-3/4B-100	E-06	\$42.42
72130077	4E-3/4B-150	E-06	\$42.42
72130078	4E-3/4B-200	E-06	\$42.42
72130079	4E-3/4B-30	E-06	\$42.42
72130080	4E-3/4B-50	E-06	\$42.42
72130082	4E-3/4T-100	E-02	\$10.62
72130084	4E-3/4T-150	E-02	\$10.92
72130086	4E-3/4T-200	E-02	\$12.67
72130088	4E-3/4T-50	E-02	\$10.62
72130090	4EH-11/2-100	E-07	\$403.39
72130091	4EH-11/2-150	E-07	\$403.39
72130092	4EH-11/2-200	E-07	\$403.39
72130093	4EH-11/2-30	E-07	\$403.39
72130094	4EH-11/2-50	E-07	\$403.39
72130105	4EH-2P-100	E-07	\$443.72
72130106	4EH-2P-150	E-07	\$443.72
72130107	4EH-2P-200	E-07	\$443.72
72130108	4EH-2P-30	E-07	\$443.72
72130109	4EH-2P-50	E-07	\$443.72

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72130110	4EH-3/4A-100	E-06	\$50.78
72130111	4EH-3/4A-150	E-06	\$50.78
72130112	4EH-3/4A-200	E-06	\$50.78
72130113	4EH-3/4A-30	E-06	\$50.78
72130114	4EH-3/4A-50	E-06	\$50.78
72130115	4EH-3/4B-100	E-06	\$57.42
72130116	4EH-3/4B-150	E-06	\$57.42
72130117	4EH-3/4B-200	E-06	\$57.42
72130118	4EH-3/4B-30	E-06	\$57.42
72130119	4EH-3/4B-50	E-06	\$57.42
72130171	4E-1AN-30	E-06	\$35.77
72130173	4E-1AN-50	E-06	\$35.77
72130175	4E-1AN-100	E-06	\$35.77
72130177	4E-1AN-150	E-06	\$35.77
72130179	4E-1AN-200	E-06	\$35.77
72130181	4E-1BN-30	E-06	\$43.54
72130183	4E-1BN-50	E-06	\$43.54
72130185	4E-1BN-100	E-06	\$43.54
72130187	4E-1BN-150	E-06	\$43.54
72130189	4E-1BN-200	E-06	\$43.54
72130191	4EH-1AN-30	E-07	\$56.97
72130193	4EH-1AN-50	E-07	\$56.97
72130195	4EH-1AN-100	E-07	\$56.97
72130197	4EH-1AN-150	E-07	\$56.97
72130199	4EH-1AN-200	E-07	\$56.97
72130201	4EH-1BN-30	E-07	\$61.41
72130203	4EH-1BN-50	E-07	\$61.41
72130205	4EH-1BN-100	E-07	\$61.41
72130207	4EH-1BN-150	E-07	\$61.41
72130209	4EH-1BN-200	E-07	\$61.41
72130300	JF-075-50	E-05	\$16.87
72130301	JF-075-100	E-05	\$17.72
72130302	JF-075-150	E-05	\$16.87
72130303	JF-075-200	E-05	\$17.72
72130310	JF-100-50	E-05	\$17.42
72130311	JF-100-100	E-05	\$18.30
72130312	JF-100-150	E-05	\$17.42
72130313	JF-100-200	E-05	\$18.30
72130322	JFFV-075-150	E-05	\$24.70
72130332	JFFV-100-150	E-05	\$24.70
72130400	RSS50	E-05	\$10.70

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72130401	RSS100	E-05	\$10.70
72130402	RSS150	E-05	\$10.20
72130403	RSS200	E-05	\$10.70
72140001	3/4-SP	E-08	\$5.57
72140002	1-SP	E-08	\$5.85
72140007	11/2 & 2-DB-H	E-08	\$70.06
72140008	11/2 & 2-Ring	E-08	\$5.38
72140013	11/2-SP	E-08	\$22.94
72140029	2-SP	E-08	\$25.75
72140031	3/4"&1"-100M	E-08	\$22.18
72140032	3/4"&1"-150M	E-08	\$22.18
72140034	3/4"&1"-200M	E-08	\$22.18
72140035	3/4"&1"-30M	E-08	\$22.18
72140036	3/4"&1"-50M	E-08	\$22.18
72140037	3/4 & 1-Ring	E-08	\$2.68
72140038	3/4 & 1-DB	E-08	\$22.25
72140044	Wrench	E-08	\$42.02
72140045	11/2" & 2"-100M	E-08	\$226.54
72140046	11/2" & 2"-150M	E-08	\$226.54
72140047	11/2" & 2"-200M	E-08	\$226.54
72140049	11/2" & 2"-50M	E-08	\$226.54
72140058	11/2-SP-3	E-08	\$25.75
72140059	11/2-SP-2	E-08	\$25.75
72140060	2-SP-2	E-08	\$25.75
72140061	2-SP-3	E-08	\$25.75
72500488	PIF	E-02	\$9.87
72501097	PIF5	E-02	\$5.34
1364026136	MFS-4802-06E-F3P12D	E-20	\$9,339.50
1364036136	MFS-4803-06E-F3P12D	E-20	\$13,629.66
1364038136	MFS-4804-08E-F4P12D	E-20	\$13,747.36
1364040236	MFS-4804-10T-F4P12D	E-20	\$26,101.00
1364050236	MFS-4805-10T-F8P12D	E-20	\$33,032.00
1364060236	MFS-4806-10T-F8P12D	E-20	\$27,424.10
1364070236	MFS-4807-12H-F8P12D	E-20	\$49,224.00
1364080236	MFS-4808-12H-F8P12D	E-20	\$54,688.00
1364090236	MFS-4809-14H-F12P12D	E-20	\$67,904.00
1364100236	MFS-4810-14H-F12P12D	E-20	\$73,921.00
1364110236	MFS-4811-14H-F12P12D	E-20	\$79,937.00
1364120236	MFS-4812-14H-F12P12D	E-20	\$85,953.00

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E-02	T-015B-150	12110001	\$194.03
E-02	T-015B-30	12110002	\$194.03
E-02	T-015C-30	12110003	\$218.75
E-02	T-015B-200	12110004	\$194.03
E-02	T-015C-150	12110007	\$218.75
E-02	T-015C-200	12110009	\$218.75
E-02	T-015C-50	12110047	\$218.75
E-02	T-015B-50	12110052	\$194.03
E-02	T-015B-100	12110053	\$194.03
E-02	T-015C-100	12110054	\$218.75
E-02	T-100M	72110031	\$7.87
E-02	T-150M	72110032	\$7.87
E-02	T-200M	72110033	\$9.84
E-02	T-50M	72110035	\$7.87
E-02	4E-3/4T-100	72130082	\$10.62
E-02	4E-3/4T-150	72130084	\$10.92
E-02	4E-3/4T-200	72130086	\$12.67
E-02	4E-3/4T-50	72130088	\$10.62
E-02	PIF	72500488	\$9.87
E-02	PIF5	72501097	\$5.34
E-03	T-020B-30	12110005	\$218.75
E-03	T-020C-30	12110006	\$242.23
E-03	T-020B-100	12110012	\$218.75
E-03	T-020B-150	12110015	\$218.75
E-03	T-020B-200	12110018	\$218.75
E-03	T-020B-50	12110021	\$218.75
E-03	T-020C-100	12110023	\$242.23
E-03	T-020C-150	12110025	\$242.23
E-03	T-020C-200	12110027	\$242.23
E-03	T-020C-50	12110029	\$242.23
E-03	BB-015/020	12120001	\$91.75
E-03	BC-015/020	12120003	\$103.22
E-03	GE-015/020	12120005	\$5.28
E-03	S-150M	12120011	\$147.07
E-03	S-200M	12120013	\$147.07
E-03	S-100M	12120015	\$147.07
E-03	S-50M	12120016	\$147.07
E-03	11/2 & 2-30M	12120017	\$160.67
E-04	DCTPL30TWN	12130450	\$375.47
E-04	DCTPL50TWN	12130460	\$549.66
E-04	SCVP03T-S12P-M	13170110	CALL

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E-05	JF-075-50	72130300	\$16.87
E-05	JF-075-100	72130301	\$17.72
E-05	JF-075-150	72130302	\$16.87
E-05	JF-075-200	72130303	\$17.72
E-05	JF-100-50	72130310	\$17.42
E-05	JF-100-100	72130311	\$18.30
E-05	JF-100-150	72130312	\$17.42
E-05	JF-100-200	72130313	\$18.30
E-05	JFFV-075-150	72130322	\$24.70
E-05	JFFV-100-150	72130332	\$24.70
E-05	RSS50	72130400	\$10.70
E-05	RSS100	72130401	\$10.70
E-05	RSS150	72130402	\$10.20
E-05	RSS200	72130403	\$10.70
E-06	4E-3/4A-100	72130070	\$36.14
E-06	4E-3/4A-150	72130071	\$36.14
E-06	4E-3/4A-200	72130072	\$36.14
E-06	4E-3/4A-30	72130073	\$36.14
E-06	4E-3/4A-50	72130074	\$36.14
E-06	4E-3/4B-100	72130076	\$42.42
E-06	4E-3/4B-150	72130077	\$42.42
E-06	4E-3/4B-200	72130078	\$42.42
E-06	4E-3/4B-30	72130079	\$42.42
E-06	4E-3/4B-50	72130080	\$42.42
E-06	4EH-3/4A-100	72130110	\$50.78
E-06	4EH-3/4A-150	72130111	\$50.78
E-06	4EH-3/4A-200	72130112	\$50.78
E-06	4EH-3/4A-30	72130113	\$50.78
E-06	4EH-3/4A-50	72130114	\$50.78
E-06	4EH-3/4B-100	72130115	\$57.42
E-06	4EH-3/4B-150	72130116	\$57.42
E-06	4EH-3/4B-200	72130117	\$57.42
E-06	4EH-3/4B-30	72130118	\$57.42
E-06	4EH-3/4B-50	72130119	\$57.42
E-06	4E-1AN-30	72130171	\$35.77
E-06	4E-1AN-50	72130173	\$35.77
E-06	4E-1AN-100	72130175	\$35.77
E-06	4E-1AN-150	72130177	\$35.77
E-06	4E-1AN-200	72130179	\$35.77
E-06	4E-1BN-30	72130181	\$43.54
E-06	4E-1BN-50	72130183	\$43.54

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E-06	4E-1BN-100	72130185	\$43.54
E-06	4E-1BN-150	72130187	\$43.54
E-06	4E-1BN-200	72130189	\$43.54
E-07	4EH-11/2-100	72130090	\$403.39
E-07	4EH-11/2-150	72130091	\$403.39
E-07	4EH-11/2-200	72130092	\$403.39
E-07	4EH-11/2-30	72130093	\$403.39
E-07	4EH-11/2-50	72130094	\$403.39
E-07	4EH-2P-100	72130105	\$443.72
E-07	4EH-2P-150	72130106	\$443.72
E-07	4EH-2P-200	72130107	\$443.72
E-07	4EH-2P-30	72130108	\$443.72
E-07	4EH-2P-50	72130109	\$443.72
E-07	4EH-1AN-30	72130191	\$56.97
E-07	4EH-1AN-50	72130193	\$56.97
E-07	4EH-1AN-100	72130195	\$56.97
E-07	4EH-1AN-150	72130197	\$56.97
E-07	4EH-1AN-200	72130199	\$56.97
E-07	4EH-1BN-30	72130201	\$61.41
E-07	4EH-1BN-50	72130203	\$61.41
E-07	4EH-1BN-100	72130205	\$61.41
E-07	4EH-1BN-150	72130207	\$61.41
E-07	4EH-1BN-200	72130209	\$61.41
E-08	11/2" & 2"-30M	72120017	\$163.88
E-08	3/4-SP	72140001	\$5.57
E-08	1-SP	72140002	\$5.85
E-08	11/2 & 2-DB-H	72140007	\$70.06
E-08	11/2 & 2-Ring	72140008	\$5.38
E-08	11/2-SP	72140013	\$22.94
E-08	2-SP	72140029	\$25.75
E-08	3/4"&1"-100M	72140031	\$22.18
E-08	3/4"&1"-150M	72140032	\$22.18
E-08	3/4"&1"-200M	72140034	\$22.18
E-08	3/4"&1"-30M	72140035	\$22.18
E-08	3/4"&1"-50M	72140036	\$22.18
E-08	3/4 & 1-Ring	72140037	\$2.68
E-08	3/4 & 1-DB	72140038	\$22.25
E-08	Wrench	72140044	\$42.02
E-08	11/2" & 2"-100M	72140045	\$226.54
E-08	11/2" & 2"-150M	72140046	\$226.54
E-08	11/2" & 2"-200M	72140047	\$226.54

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E-08	11/2" & 2"-50M	72140049	\$226.54
E-08	11/2-SP-3	72140058	\$25.75
E-08	11/2-SP-2	72140059	\$25.75
E-08	2-SP-2	72140060	\$25.75
E-08	2-SP-3	72140061	\$25.75
E-09	4E-2-100G	13150012	\$3,350.39
E-09	4E-2-100F	13150013	\$3,527.12
E-09	4E-2-150G	13150016	\$3,350.39
E-09	4E-2-150F	13150017	\$3,527.12
E-09	4E-2-200G	13150021	\$3,350.39
E-09	4E-2-200F	13150022	\$3,527.12
E-09	4E-2-30F	13150027	\$3,527.12
E-09	4E-2-50G	13150028	\$3,350.39
E-09	4E-2-50F	13150029	\$3,527.12
E-09	4E-3-100	13150031	\$3,810.13
E-09	4E-3-100F	13150032	\$3,988.09
E-09	4E-3-150	13150036	\$3,810.13
E-09	4E-3-150F	13150037	\$3,988.09
E-09	4E-3-200	13150040	\$3,810.13
E-09	4E-3-200F	13150041	\$3,988.09
E-09	4E-3-30	13150044	\$3,810.13
E-09	4E-3-30F	13150045	\$3,988.09
E-09	4E-3-50	13150046	\$3,810.13
E-09	4E-3-50F	13150047	\$3,988.09
E-09	4E-4-100F	13150052	\$4,258.74
E-09	4E-4-150F	13150056	\$4,258.74
E-09	4E-4-200F	13150059	\$4,258.74
E-09	4E-4-30F	13150062	\$4,258.74
E-09	4E-4-50F	13150064	\$4,258.74
E-09	4E-2-30G	13150086	\$3,350.39
E-10	4E-4-100	13150051	\$4,122.80
E-10	4E-4-150	13150055	\$4,122.80
E-10	4E-4-200	13150058	\$4,122.80
E-10	4E-4-30	13150061	\$4,122.80
E-10	4E-4-50	13150063	\$4,122.80
E-10	4E-6-100F	13150067	\$5,924.67
E-10	4E-6-150F	13150069	\$5,924.67
E-10	4E-6-200F	13150071	\$5,924.67
E-10	4E-6-30F	13150072	\$5,924.67
E-10	4E-6-50F	13150073	\$5,924.67
E-10	4E-6-30	13150115	\$5,924.67

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E-10	4E-6-50	13150116	\$5,924.67
E-10	4E-6-100	13150117	\$5,924.67
E-10	4E-6-150	13150118	\$5,924.67
E-10	4E-6-200	13150119	\$5,924.67
E-11	4E-10-100F	13150001	\$16,326.82
E-11	4E-10-150F	13150002	\$16,326.82
E-11	4E-10-200F	13150003	\$16,326.82
E-11	4E-10-30F	13150004	\$16,326.82
E-11	4E-10-50F	13150005	\$16,326.82
E-11	4E-12-100F	13150007	\$19,028.39
E-11	4E-12-150F	13150008	\$19,028.39
E-11	4E-12-200F	13150009	\$19,028.39
E-11	4E-12-30F	13150010	\$19,028.39
E-11	4E-12-50F	13150011	\$19,028.39
E-11	4E-6HF-100F	13150075	\$10,122.85
E-11	4E-6HF-150F	13150076	\$10,122.85
E-11	4E-6HF-200F	13150077	\$10,122.85
E-11	4E-6HF-30F	13150078	\$10,122.85
E-11	4E-6HF-50F	13150079	\$10,122.85
E-11	4E-8-100F	13150080	\$11,144.90
E-11	4E-8-150F	13150081	\$11,144.90
E-11	4E-8-200F	13150082	\$11,144.90
E-11	4E-8-30F	13150083	\$11,144.90
E-11	4E-8-50F	13150084	\$11,144.90
E-13	2-3-100M	13180030	\$720.51
E-13	2-3-150M	13180031	\$720.51
E-13	2-3-200M	13180032	\$720.51
E-13	2-3-30M	13180033	\$720.51
E-13	2-3-50M	13180045	\$720.51
E-13	4-100M	13180058	\$773.65
E-13	4-150M	13180059	\$773.65
E-13	4-200M	13180060	\$773.65
E-13	4-30M	13180061	\$773.65
E-13	4--50M	13180063	\$773.65
E-13	6-100M	13180077	\$1,529.99
E-13	6-150M	13180078	\$1,529.99
E-13	6-200M	13180079	\$1,529.99
E-13	6-30M	13180080	\$1,529.99
E-13	6-50M	13180081	\$1,529.99
E-13	6HF-100M	13180088	\$2,948.74
E-13	6HF-150M	13180089	\$2,948.74

Page	Model #	Part #	Price
E-13	6HF-200M	13180090	\$2,948.74
E-13	6HF-30M	13180091	\$2,948.74
E-13	6HF-50M	13180092	\$2,948.74
E-13	8-100M	13180106	\$3,223.10
E-13	8-150M	13180108	\$3,223.10
E-13	8-200M	13180109	\$3,223.10
E-13	8-30M	13180110	\$3,223.10
E-13	8-50M	13180111	\$3,223.10
E-14	10-100M	13180001	\$4,285.93
E-14	10-150M	13180011	\$4,285.93
E-14	10-200M	13180012	\$4,285.93
E-14	10-30M	13180013	\$4,285.93
E-14	10-50M	13180014	\$4,285.93
E-14	12-100M	13180020	\$4,923.63
E-14	12-150M	13180021	\$4,923.63
E-14	12-200M	13180022	\$4,923.63
E-14	12-30M	13180023	\$4,923.63
E-14	12-50M	13180024	\$4,923.63
E-15	D-IG	13180004	\$149.54
E-15	D-OG	13180007	\$155.72
E-15	D-PC	13180010	\$160.67
E-15	10-FP	13180016	\$58.77
E-15	12-FP	13180025	\$58.77
E-15	A-IG	13180037	\$32.36
E-15	A-OG	13180040	\$32.36
E-15	A-PC	13180043	\$35.28
E-15	2-FP	13180049	\$7.93
E-15	3-FP	13180055	\$7.93
E-15	4-FP	13180071	\$7.93
E-15	6-FP	13180087	\$15.85
E-15	6-HF-FP	13180093	\$58.77
E-15	B-IG	13180095	\$40.78
E-15	B-OG	13180097	\$44.31
E-15	B-PC	13180100	\$38.23
E-15	8-FP	13180116	\$58.77
E-15	C-IG	13180118	\$110.56
E-15	C-OG	13180121	\$118.86
E-15	C-PC	13180124	\$101.40
E-15	A130-PC	13180150	\$88.19
E-16	10-12-DB	13180002	\$3,423.31
E-16	6HF-SPSG	13180005	\$1,693.12

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Page	Model #	Part #	Price
E-16	8-SPSG	13180008	\$1,118.45
E-16	10-SPSG	13180015	\$1,663.46
E-16	12-SPSG	13180017	\$2,825.16
E-16	10-SP	13180018	\$1,672.11
E-16	12-SP	13180027	\$1,919.28
E-16	234-BH	13180034	\$294.14
E-16	234-DB-CC	13180035	\$1,046.77
E-16	2-SP	13180051	\$341.10
E-16	2-SPSG	13180053	\$629.05
E-16	3-SP	13180056	\$355.93
E-16	3-SPSG	13180057	\$629.05
E-16	SP-4	13180072	\$368.29
E-16	4-SPSG	13180073	\$671.07
E-16	6-BH	13180083	\$400.42
E-16	6-DB-CC	13180086	\$1,227.20
E-16	6-HFSP	13180094	\$1,863.67
E-16	6-SP	13180102	\$412.78
E-16	6-SPSG	13180103	\$811.96
E-16	8-DB	13180114	\$1,788.28
E-16	8-SP	13180126	\$609.28
E-16	4E-APK	13280020	\$3,588.78
E-17	FI-40	13170006	\$5.61
E-17	FI-1300	13180151	\$5.88
E-17	FI-950	13180152	\$5.88
E-17	FI-550	13180153	\$5.88
E-17	FI-350	13180154	\$5.88
E-17	FI-225	13180155	\$5.88
E-17	FI-130	13180156	\$5.88
E-17	3-WAY KIT	13280002	\$245.94
E-20	MFS-4802-06E-F3P12D	1364026136	\$9,339.50
E-20	MFS-4803-06E-F3P12D	1364036136	\$13,629.66
E-20	MFS-4804-08E-F4P12D	1364038136	\$13,747.36
E-20	MFS-4804-10T-F4P12D	1364040236	\$26,015.00
E-20	MFS-4805-10T-F8P12D	1364050236	\$26,101.00
E-20	MFS-4806-10T-F8P12D	1364060236	\$27,424.10
E-20	MFS-4807-12H-F8P12D	1364070236	\$49,224.00
E-20	MFS-4808-12H-F8P12D	1364080236	\$54,688.00
E-20	MFS-4809-14H-F12P12D	1364090236	\$67,904.00
E-20	MFS-4810-14H-F12P12D	1364100236	\$73,921.00
E-20	MFS-4811-14H-F12P12D	1364110236	\$79,937.00
E-20	MFS-4812-14H-F12P12D	1364120236	\$85,953.00

Page	Model #	Part #	Price
E-22	MF FK2E6	13350500	\$923.00
E-22	MF FK3E6	13350501	\$1,046.00
E-22	MF FK4E8	13350502	\$1,169.00
E-22	MF FK5T10	13350503	\$1,292.00
E-22	MF FK6T10	13350504	\$1,414.00
E-22	MF FK7H12	13350505	\$1,604.00
E-22	MF FK8H12	13350506	\$1,727.00
E-22	MF FK9H14	13350507	\$1,850.00
E-22	MF FK10H14	13350508	\$1,972.00
E-22	MF FK11H12	13350509	\$2,095.00
E-22	MF FK12H12	13350510	\$2,218.00
E-22	MF WK2E6	13350520	\$126.00
E-22	MF WK3E6	13350521	\$194.00
E-22	MF WK4E8	13350522	\$262.00
E-22	MF WK4T10	13350523	\$252.00
E-22	MF WK5T10	13350524	\$316.00
E-22	MF WK6T10	13350525	\$381.00
E-22	MF WK7H12	13350526	\$437.00
E-22	MF WK8H12	13350527	\$501.00
E-22	MF WK9H14	13350528	\$565.00
E-22	MF WK10H14	13350529	\$630.00
E-22	MF WK11H14	13350530	\$694.00
E-22	MF WK12H14	13350531	\$758.00
E-22	MF VRK E6	13350540	\$3,252.00
E-22	MF VRK E8	13350541	\$3,735.00
E-22	MF VRK T	13350542	\$2,885.00
E-22	MF VRK H	13350543	\$5,770.00
E-22	MF PSK E6	13350550	\$1,302.00
E-22	MF PSK E8	13350551	\$3,778.00
E-22	MF PSK T10	13350552	\$5,961.00
E-22	MF PSK H12	13350553	\$11,148.00
E-22	MF PSK H14	13350554	\$14,487.00
E-24	ALEX-F3	13350103	\$3,361.52
E-24	ALEX-F4	13350104	\$3,836.08
E-24	ALEX-F8	13350108	\$4,339.07
E-24	ALEX-F12	13350112	\$5,304.27
E-24	ALEX-F16	13350116	\$6,092.75
E-24	MT6x8SS	13350226	\$2,215.82
E-24	P12L	13350252	\$795.89
E-24	P24A	13350254	\$685.90
E-24	P12D	13350256	\$795.89





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E-24	GBE10x4SS	13350273	\$1,126.50	E-25	GC-4	13350320	\$36.42
E-24	GBE8x4SS	13350279	\$816.41	E-25	GC-3	13350321	\$28.46
E-24	XOT8x12	13350286	\$1,630.07	E-25	GC-2	13350322	\$39.80
E-24	MT10x12SS	13350289	\$1,799.16	E-25	GC-12	13350323	\$226.21
E-24	MT8x10SS	13350293	\$1,456.76	E-25	GC-14	13350324	\$395.25
E-24	EL45 6x2	13350420	\$423.93	E-25	GC-16	13350325	\$481.48
E-24	EL45 8x2	13350421	\$525.81	E-25	GC-6	13350326	\$63.43
E-24	EL45 10x2	13350422	\$667.69	E-25	GC-8	13350328	\$104.03
E-24	STB6x4SS	13350432	\$0.00	E-25	GC-10	13350329	\$273.13
E-24	STB8x4SS	13350433	\$0.00	E-25	MFSHRM	13350360	\$27.00
E-24	STB10x4SS	13350434	\$0.00	E-25	MFWRCMA	13350490	\$1.85
E-24	XOT10x14	13350446	\$0.00	E-25	MFWRC	13350491	\$1.21
E-24	XOT12x16	13350447	\$0.00	E-25	MFWRCT	13350491	\$10.54
E-24	JMCS4	13600004	\$0.00	E-25	MF-CMA	33040022	\$516.54
E-24	BW Vlv 4F	33049006	\$973.60	E-25	LID-10	33049038	\$216.28
E-24	GBE6x4SS	33049065	\$0.00	E-25	LID-8	33049040	\$216.28
E-24	MF TOK	33049071	\$419.44	E-25	LID-G8	33049041	\$787.24
E-25	GN-2P	12292009	\$18.80	E-25	LID-G10	33049042	\$0.00
E-25	GN-3P	12292010	\$24.50	E-25	CAP-4P	33049044	\$0.00
E-25	GN-4P	12292011	\$27.35	E-25	MFST-4	33049050	\$637.70
E-25	GN-6P	12292013	\$63.14	E-25	GP-6P	33049186	\$38.54
E-25	GN-8P	12292014	\$94.20				
E-25	GN-10P	12292015	\$129.77				
E-25	GMA-2P	12292016	\$69.46				
E-25	GN-12P	12292019	\$201.45				
E-25	GN-14P	12292021	\$129.53				
E-25	GN-16P	12292022	\$185.04				
E-25	PP-4x46	12292035	\$35.87				
E-25	PP-2x46	12292036	\$10.54				
E-25	FPMA-2P	12292041	\$2.87				
E-25	FPEL-2P	12292043	\$14.38				
E-25	FPFA-4P	12292050	\$13.25				
E-25	FPMA-4P	12292051	\$12.74				
E-25	FPTEE-4P	12292052	\$33.54				
E-25	FPEL-4P	12292053	\$22.30				
E-25	MFUD48	13350050	\$405.00				
E-25	LID-BWK	13350060	\$4.00				
E-25	MFWR18-7	13350222	\$0.99				
E-25	MFWRCR	13350222	\$0.99				
E-25	MFWRC3-18	13350223	\$0.74				
E-25	LSK-12VDCL	13350252	\$795.89				



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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	5

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

\*\*\*\*Used with Vinyl leads

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						
Gray	7.4	0.039	9.8	6.6	13.0	4.9	14.7	16.4			
Brown	9.3	0.043	11.5	8.2	13.0	6.6	16.5	16.4			
Blue	12.5	0.049	11.5	8.2	14.7	6.6	18.0	16.4			
Green	14.5	0.052	11.5	8.2	14.7	6.6	19.7	16.4			
Orange	18.5	0.058		8.2	16.5	8.2	23.0	16.4			
Yellow	25.1	0.069		9.8	18.0	9.8	24.6	16.4			
Red XL	9.3	0.037							3.3	23.0	
Black XL	10.5	0.039							4.9	23.0	
Ivory XL	12.4	0.043							6.6	23.0	

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
<b>2002 Aquasmart Pressure Compensating Sprinklers</b>					
		2002 Head Only (excludes inverted)	350		Call
<b>2002 Assemblies with PE Tubing</b>					
		24" Tube Length	150		MTO
		30" Tube Length (standard)	150	4200	
		36" Tube Length	150		MTO
		48" Tube Length	100		MTO
		60" Tube Length	100		MTO

Model #	Part #	Description	Bag Qt.	Box Qty	Box Code	Stock Code
<b>2002 Nozzles</b>						
2002-VT-NZ	11915104	Violet (5.3 GPH)	100			MTO
2002-GY-NZ	11915109	Gray (7.4 GPH)	100			MTO
2002-RD-NZ	11915107	Red XL (9.3 GPH)	100			MTO
2002-BN-NZ	11915100	Brown (9.3 GPH)	100			MTO
2002-BK-NZ	11915108	Black XL (10.4 GPH)	100			MTO
2002-BE-NZ	11915103	Blue (12.5 GPH)	100			MTO
2002-IY-NZ	11915001	Ivory XL (12.4 GPH)	100			MTO
2002-GN-NZ	11915102	Green (14.5 GPH)	100			MTO
2002-OE-NZ	11915105	Orange (18.5 GPH)	100			MTO
2002-YW-NZ	11915106	Yellow (25.1 GPH)	100			MTO

<b>2002 Swivels</b>						
2002-BK-1S	17016208	Black	100			MTO
2002-BE-1S	17016203	Blue	100			
2002-RD-1S	17016207	Red	100			
2002-GN-INV	17016202	Green, Inverted	100			MTO
2002-OE-1S	17016215	Orange	100			MTO
2002-BK-2S	17016218	Black, 2-stage with deflector	100			MTO
2002-BE-2S	17016213	Blue, 2-stage with deflector	100			
2002-RD-2S	17016217	Red, 2-stage with deflector	100			MTO

<b>2002 Body Components</b>						
2002-BODY	17015600	Bridge	100			
2002-IBODY	11917000	Inverted Bridge with Spring	100			MTO
2002-BB-B	17015500	Barbed Housing (base)	100			MTO
2002-FM-B	17015502	Female Housing (base)	100			MTO
2002-QT-B	17015506	Quick Thread Housing (base)	100			
2002-38-B	17015504	3/8" Threaded Housing (base)	100			MTO
2002-REG-DPH	17010402	E.P.D.M. Diaphragm	100			
2002-TP	17043000	Trunk Protector	100			
2002-RD-BR	17015007	Red Bearing	100			
2002-CLIP	17015018	Retainer Clip for Diaphragm	100			

<b>Stakes for Micro Sprinklers</b>						
STAKE-37R	17097947	Stake 37, Red (2002, 2005)	170	Z		



MICROS & SPRINKLERS

MICROS & SPRINKLERS

# 2005 AquaMaster Sprinklers

## 2005 AquaMaster Non-PC Ordering Guide

Series #	Spinner	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"	3 Stake 34-Red
	7 Gray	3 3/8" Thread	9 Gray (18.5 GPH)	2 30" **	5 Stake 37-Red **
	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)		
			7 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" Lead Tube and a 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	18.0						21.3
Brown	13	0.04	6.6	21.3						24.6
Gray	18	0.04			8.2	23.0				29.5
Green	28	0.06			9.8	27.9				32.8
Orange	32	0.06					6.6	18.0	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	23.0	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
<b>2005 Aquamaster Assemblies</b>					
		2005 Head Only (excludes inverted)	500		Call
<b>2005 Assemblies with PE Tubing</b>					
		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	Box Code	Stock Code
<b>2005 Nozzles — Quick Thread</b>						
2005-VT-QT-NZ	17019154	Violet (9.2 GPH)	50			MTO
2005-BN-QT-NZ	17019150	Brown (13.2 GPH)	50			MTO
2005-GY-QT-NZ	17019159	Gray (18.5 GPH)	50			MTO
2005-GN-QT-NZ	17019152	Green (27.7 GPH)	50			MTO
2005-OE-QT-NZ	17019155	Orange (31.7 GPH)	50			MTO
2005-BK-QT-NZ	17019158	Black (42.3 GPH)	50			MTO
2005-BE-QT-NZ	17019153	Blue (52.8 GPH)	50			MTO
<b>2005 Nozzle — 3/8" Thread</b>						
2005-VT-38-NZ	17019114	Violet (9.2 GPH)	50			MTO
2005-BN-38-NZ	17019110	Brown (13.2 GPH)	50			MTO
2005-GY-38-NZ	17019119	Gray (18.5 GPH)	50			MTO
2005-GN-38-NZ	17019112	Green (27.7 GPH)	50			MTO
2005-OE-38-NZ	17019115	Orange (31.7 GPH)	50			MTO
2005-BK-38-NZ	17019118	Black (42.3 GPH)	50			MTO
2005-BE-38-NZ	17019113	Blue (52.8 GPH)	50			MTO
<b>2005 Nozzle — 1/2" Thread</b>						
2005-VT-12-NZ	17019124	Violet (9.2 GPH)	50			MTO
2005-BN-12-NZ	17019120	Brown (13.2 GPH)	50			MTO
2005-GY-12-NZ	17019129	Gray (18.5 GPH)	50			MTO
2005-GN-12-NZ	17019122	Green (27.7 GPH)	50			MTO
2005-OE-12-NZ	17019125	Orange (31.7 GPH)	50			MTO
2005-BK-12-NZ	17019128	Black (42.3 GPH)	50			MTO
2005-BE-12-NZ	17019123	Blue (52.8 GPH)	50			MTO
<b>2005 Nozzle — Female Press-Fit</b>						
2005-VT-FM-NZ	17019104	Violet (9.2 GPH)	50			MTO
2005-BN-FM-NZ	17019100	Brown (13.2 GPH)	50			MTO
2005-GY-FM-NZ	17019109	Gray (18.5 GPH)	50			MTO
2005-GN-FM-NZ	17019102	Green (27.7 GPH)	50			MTO
2005-OE-FM-NZ	17019105	Orange (31.7 GPH)	50			MTO
2005-BK-FM-NZ	17019108	Black (42.3 GPH)	50			MTO
2005-BE-FM-NZ	17019103	Blue (52.8 GPH)	50			MTO
<b>2005 Swivels</b>						
2005-BK-1S	17019208	Black	100			MTO
2005-BE-1S	17019203	Blue	100			MTO
2005-GY-1S	17019209	Gray	100			MTO
2005-GN-1S	17019202	Green — Upright	100			MTO
2005-BK-2S	17019228	Black, w/ deflector	100			MTO
2005-BE-2S	17019223	Blue, w/ deflector	100			MTO
2005-GY-2S	17019229	Gray, w/ deflector	100			MTO
2005-GN-1S	17019212	Green - Inverted	100			MTO
<b>2005 Body Components</b>						
2005-BODY	17018600	Bridge	100			MTO
2005-IBODY	11919000	Inverted Bridge with Spring	100			MTO
2005-QT-A	17019308	Quick Thread Adapter	100			MTO
<b>Stakes for Micro Sprinklers</b>						
STAKE-37R	17097947	Stake 37, Red		170	Z	



MICROS & SPRINKLERS

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# 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 & Antimist **	2 Green (27.7 GPH)	1 Butterfly - Barb w/24" Tube	9 Weight
	5* Inverted (Green Kiwi)		5 Orange (31.7 GPH)	2 Butterfly - Barb w/30" Tube **	
	6 12 Jet (Green)	7 LPD - Barb & Antimist	6 Yellow (42.3 GPH)	3 Butterfly - Barb w/36" Tube	
	7* Flat (Yellow)	5 LPD - 3/8"	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	7	8	9	0	0

Catalog Number: 161 1 9 3 2 3  
 Bridge Assembly with Flat (Yellow) Spreader and Female LPD

\*Swivels can be inverted

\*\*Standard



# Modular Sprinklers

\* Flow rate and wetted diameter (feet) at 29 PSI and 10" above ground level. Inverted swivel at 2', 4' and 6'.  
 Not Recommended; voids Warranty.

Nozzle Color	Anti-mist Color	Flow Rate [GPH]	Nozzle Diam. [in]	Wetted Diameter (ft)										Swivels					Height (feet)
				90° (Black)	180° (Red)	Mist (Violet)	Strip (Blue)	Close-Range (Orange Concave)	Flat (Yellow)	12 Jet (Green)	Small Round (Black)	Anti-Ant (Red/Black)	One-Sided (Black)	One-Sided (Blue)	Big (Orange Oblong)	Inverted* (Green Kiwi)			
Violet		9.2	0.032	5.6	7.2	4.9	10.5	3.0	9.2	11.2	19.7	19.7	21.3	21.3	21.3	16.4	19.7	19.7	
Brown		11.4	0.037	5.6	8.2	5.9	13.8	3.0	11.2	14.8	19.7	19.7	21.3	21.3	23.0	18.0	19.7	19.7	
Gray		18.5	0.046	8.2	8.9	8.9	27.9	3.0	11.2	18.0	21.3	21.3	21.3	24.6	21.3	21.3	21.3	24.6	
Green		27.7	0.056	11.5	8.9	8.9	29.5	3.0	11.2	19.7	21.3	21.3	23.0	26.2	29.5	26.2	26.2	27.9	
Orange		31.7	0.059	14.8	8.9	8.9	29.5	3.0	13.1	19.7	21.3	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	32.8	36.1	
Black		79.3	0.092												34.4	34.4	32.8	36.1	
Green		10.6	0.037	6.6	3.9		9.2	2.6	11.5	8.2	13.1				14.8	16.4	19.7	19.7	
Orange		18.5	0.046	7.2	7.2		16.4	2.6	11.5	14.8	16.4				19.7	23.0	24.6	24.6	
Yellow		23.8	0.055	8.2	8.2		18.0	3.0	13.1	16.4	18.0				19.7	23.0	26.2	26.2	
Blue		31.7	0.059	8.2	8.9		23.0	3.3	13.1	19.7	19.7				21.3	26.2	26.2	26.2	

Modular Sprinkler Performance Table

# Modular Sprinklers

Description	Box Qty	Stock Code
<b>Modular Bridge Assemblies</b>		
Bridge Assemblies without Antimist	2500	Call
Bridge Assemblies w/ Antimist	1750	MTO
Bridge Assemblies w/ LPD and without Antimist	750	MTO
Bridge Assemblies w/ LPD and Antimist	650	MTO

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



Description	Box Qty	Stock Code
<b>Modular Stake Assemblies</b>		
24" Tube Assembly	200	MTO
30" Tube Assembly (standard)	200	
36" Tube Assembly	200	MTO
48" Tube Assembly	150	MTO
60" Tube Assembly	150	MTO



Description	Box Qty	Stock Code
<b>Inverted Modular Assemblies</b>		
12" Tube Assembly w/ weight		MTO
24" Tube Assembly w/ weight	400	MTO
30" Tube Assembly w/ weight (standard)	400	
36" Tube Assembly w/ weight	400	MTO
48" Tube Assembly w/ weight		MTO
60" Tube Assembly w/ weight		MTO



# Modular Sprinklers

Model #	Part #	Description	Bag Qty	Stock Code
<b>Modular Group Bridge</b>				
MOD-BODY	17050600	Bridge	100	
<b>Modular Group Nozzles</b>				
MOD-VT-NZ	17050104	Violet (9.2 GPH)	100	
MOD-BN-NZ	17050100	Brown (11.4 GPH)	100	
MOD-GY-NZ	17050109	Gray (18.5 GPH)	100	
MOD-GN-NZ	17050102	Green (27.7 GPH)	100	
MOD-OE-NZ	17050105	Orange (31.7 GPH)	100	
MOD-YW-NZ	17050106	Yellow (42.3 GPH)	100	
MOD-BE-NZ	17050103	Blue (52.8 GPH)	100	
MOD-IY-NZ	17050101	Ivory (62.1 GPH)	100	MTO
MOD-RD-NZ	17050107	Red (68.7 GPH)	100	
MOD-BK-NZ	17050108	Black (79.3 GPH)	100	
<b>Modular Antimist</b>				
MOD-GN-AM	17050012	Green (.035")	100	
MOD-OE-AM	17050015	Orange (.047")	100	
MOD-YW-AM	17050016	Yellow (.055")	100	
MOD-BE-AM	17050013	Blue (.060")	100	
<b>Modular Swivel — 8000 Series</b>				
MOD-BR-S	17050218	Small Round (Black)	100	
MOD-BKS-S	17050208	One Sided (Black)	100	
MOD-BES-S	17050228	One Sided (Blue)	100	MTO
MOD-00-S	17050215	Big (Orange Oblong)	100	
MOD-IPS-S	17050217	Anti Ant - (Red) Swivel	100	MTO
MOD-IPC-S	17050220	Anti Ant - (Black) Cup	100	MTO
MOD-GK-S	17050202	Inverted (Green Kiwi)	100	
<b>Butterfly Adapters</b>				
MOD-BF-38T47B	17097030	Butterfly 3/8" x 4/7 Barb	100	MTO
MOD-BF-47B	17090710	Butterfly 4/7 Barb, Black	100	
MOD-BF-38T	17097016	Butterfly 3/8"	100	
MOD-BF-QT	17097017	Butterfly quick thread	100	
MOD-38-B	17097002	3/8" male threaded base	100	
MOD-12-B	17097001	1/2" male threaded base	100	



Butterfly Adapters

# Modular Sprinklers

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Model #	Part #	Description	Bag Qty	Box Qty	Box Code	Stock Code
<b>Modular Spreaders - 7000 Series</b>						
MOD-OC-S	17050305	Close Range (Orange Concave)	100			
MOD-YF-S	17050306	Flat (Yellow)	100			
MOD-GJ-S	17050302	12 Jet (Green)	100			
MOD-VMD-S	17050314	Mist (Violet)	100			
MOD-90-S	17050308	90° (Black)	100			
MOD-180-S	17050317	180° (Red)	100			
MOD-BS-S	17050303	Strip (Blue)	100			MTO
<b>Stakes for Micro Sprinklers</b>						
STAKE-31R	17097907	Spike 31 Red (Modular)		550	Z	
STAKE-31B	17097908	Spike 31 Black (Modular)		550	Z	MTO
<b>Butterfly Tube Assemblies with Barb</b>						
TA-PVC-BF-BB-24	11997030	24" Tube Assembly w/ Butterfly	100	400	H	
TA-PVC-BF-BB-30	11997032	30" Tube Assembly w/ Butterfly	100	400	H	
TA-PVC-BF-BB-36	11997036	36" Tube Assembly w/ Butterfly	100	400	H	
TA-PVC-BF-BB-48	11997040	48" Tube Assembly w/ Butterfly	100	400		MTO
TA-PVC-BF-BB-60	11997042	60" Tube Assembly w/ Butterfly	100			MTO
<b>Stabilized Hanging Sprinkler Tube Assembly w/ Barb</b>						
TA-PVC-BF-BB-WT-12	11997140	12" Tube Assembly w/ Butterfly	100	200		
TA-PVC-BF-BB-WT-18	11997142	18" Tube Assembly w/ Butterfly	100	400		MTO
TA-PVC-BF-BB-WT-24	11997143	24" Tube Assembly w/ Butterfly	100	200		
TA-PVC-BF-BB-WT-30	11997146	30" Tube Assembly w/ Butterfly	100	200		MTO
TA-PVC-BF-BB-WT-36	11997149	36" Tube Assembly w/ Butterfly	100	150		
TA-PVC-BF-BB-WT-48	11997152	48" Tube Assembly w/ Butterfly	100	200		
TA-PVC-BF-BB-WT-60	11997155	60" Tube Assembly w/ Butterfly	100	200		MTO

MICROS & SPRINKLERS



"I enjoy working with Jain Irrigation because of their quality products and excellent service. The Jain Jet has proven to be my go-to sprinkler because of the large selection of flow rates and spray patterns that match all my soil types."

Marc Camino, Valley Wide Land Management  
Del Rey, CA

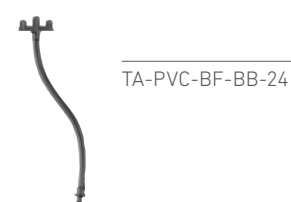
### Modular Spreaders - 7000 Series



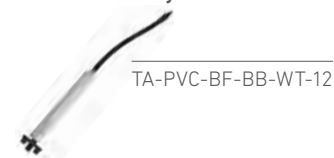
### Stakes for Micro Sprinklers



### Butterfly Tube Assemblies with Barb



### Stabilized Hanging Sprinkler Tube Assembly with Barb





JAIN Jet precision molding ensures precise spray patterns

## PRECISION & PRICE: JAIN JET DELIVERS

**Stronger and More Rigid Stake**  
Feel the Difference

**Industry Leading Warranty**  
5 Year vs 1 Year

**Same Popular Spray Patterns and Flows**—No Difference



Competitor

## 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	1 Stake 34-Red
	12 B1 - Butterfly	3 # 40 Blue (10.7 GPH)	2 30" PE	2 Mult-Stake-Red **
	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			
	27 R - Rectangle			
	28 U - Notch			
29 V - 100 Arc				
30 X - Butterfly Rectangle				
31 Fill In				

Example: 168 10 2 0 0

Catalog Number: 168 28 3 2 2

Description: Jain Jet A Pattern #35 (Orange) Nozzle

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

\*\* Standard





# 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	
		High Stream	Low Stream						
#30 Black	6	14	10	16	17	12	11	12	15
#35 Orange	8.4	17	13	18	18	16	12	14	18
#40 Blue	10.7	19	15	20	21	19	13	15	21
#45 Violet	14.1	22	17	21	22	22	14	17	23
#50 Green	16.7	25	19	22	24	22		17	25
#55 Yellow	20.5	27	20		27	27		19	27
#60 Red	24	28	22		28	29		21	29

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	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	7
#35 Orange	8.4	9	16.5	15	7	8	11.5	19	8
#40 Blue	10.7	10	18.5	16	9	8	12.5	19	9
#45 Violet	14.1	11	20.5	17	10	9	14	22	12
#50 Green	16.7	12	22	19	13			24	14
#55 Yellow	20.5			21	17			25	15
#60 Red	24			24	22			27	16

# Jain Jet

Model #	Part #	Description	Box Qty	Box Code	Stock Code
<b>Stakes for Jain Jets and Smart Jets</b>					
MS-12DR	12501132	Multi Stake*	250	A	
STAKE-34R	17097917	Stake 34, Red	170	Z	
MS-12DR-36PE	22020071	Multi stake with 36" lead and barb	150		
<b>Accessories</b>					
JJ-TOPHAT	12501133	Jain Jet Top Hat	3000	B	
47-COLLAR	12010595	Locking Collar (Vinyl jet assemblies)			MTO

\* Multi Stake is the standard stake for all Jain Jets and Smart Jets

Stakes for Modular Sprinklers



MS-12DR\*



STAKE-34R

Stakes for Modular Sprinklers



JJ-TOPHAT



47-COLLAR

# Smart Jet PC

## Smart Jet 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	1 Stake 34
	19 J2 - Full Circle - 16 Jet	3 40 Blue	2 30" PE	2* Multi-Stake*
	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: 28 5 2 2  
187

Catalog Number: 18 7 28 5 2 2

Description: Smart Jet PC with U 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
<b>Smart Jet</b>		
Head Only	1000	Call
<b>Smart Jet PC Assemblies</b>		
24" Tube Length		MTO
30" Tube Length		MTO
36" Tube Length*		MTO
48" Tube Length		MTO
60" Tube Length		MTO

\* Standard Configuration

## Smart Jet PC Performance

Nozzle Color	Outlet Diameter [inches]	Flow Rate (GPH)	Pressure (PSI)	Flow rate & wetted diameter					
				A (High)		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 Tools and Accessories

Model #	Part #	Description	Bag Qty	Box Qty	Box Code	Stock Code
<b>Accessories</b>						
47-TB	17097032	Barb 4/7 x 4/7	100	2800	B	
FNF-PLUG	17091239	Fast-n-Fast plug	100	2800	B	MTO
FNF-CON	11990100	Fast-n-Fast connector	50	700	B	MTO
WEIGHT	17097051	Stabilizer weight 5 1/2 for suspended stand 1/4" barb	50	500	F	
170-TB	12290009	1/4" Barb Coupling	500	5000	B	
DRAMM-GRO	12291066	Dramm Grommet	250	2000	B	MTO
<b>Tools</b>						
PP-47	17097785	3.2 mm punch	1	10	B	
JJ-PR	12290170	Jain Jet Punch (Red)	1	10		
AP025	12071006	2.5 mm Hole Punch	1	10	B	
AP030	12071008	3.0 mm Hole Punch	1	10	B	

## Accessories



## Tools



# Super 10 Sprinklers

Model #	Part #	Description	Box Qty	Box Code	Stock Code
<b>Super 10 Revolver Low Angle, 14 Degree: Unregulated</b>					
S10-NON-14-VT	17135744	Violet, 1.5 GPM @ 35 PSI, 55 ft	200	Z	MTO
S10-NON-14-YW	17135746	Yellow, 1.9 GPM @ 35 PSI, 65 ft	200	Z	MTO
S10-NON-14-GN	17135742	Green, 2.4 GPM @ 35 PSI, 65 ft	200	Z	MTO
S10-NON-14-RD	17135747	Red, 2.9 GPM @ 35 PSI, 68 ft	200	Z	MTO
<b>Super 10 Revolver Low Angle, 14 Degree: Regulated</b>					
S10-REG-14-VT	17136744	Violet, 1.5 GPM @ 35 PSI, 55 ft	200	Z	MTO
S10-REG-14-YW	17136746	Yellow, 1.9 GPM @ 35 PSI, 65 ft	200	Z	MTO
S10-REG-14-GN	17136742	Green, 2.4 GPM @ 35 PSI, 65 ft	200	Z	MTO
S10-REG-14-RD	17136747	Red, 2.9 GPM @ 35 PSI, 68 ft	200	Z	MTO
<b>Super 10 Revolver, 25 Degree: Unregulated</b>					
S10-NON-25-BE	17135443	Blue, 1.5 GPM @ 35 PSI, 55 ft	200	Z	MTO
S10-NON-25-YW	17135446	Yellow, 1.9 GPM @ 35 PSI, 65 ft	200	Z	MTO
S10-NON-25-GN	17135442	Green, 2.4 GPM @ 35 PSI, 65 ft	200	Z	MTO
S10-NON-25-RD	17135447	Red, 2.9 GPM @ 35 PSI, 68 ft	200	Z	MTO
S10-NON-25-BN	17135440	Brown, 1.4 GPM @ 35 PSI*		Z	MTO
<b>Super 10 Revolver, 25 Degree: Regulated</b>					
S10-REG-25-BE	17136443	Blue, 1.5 GPM @ 35 PSI, 55 ft	200	Z	MTO
S10-REG-25-YW	17136446	Yellow, 1.9 GPM @ 35 PSI, 65 ft	200	Z	MTO
S10-REG-25-GN	17136442	Green, 2.4 GPM @ 35 PSI, 65 ft	200	Z	MTO
S10-REG-25-RD	17136447	Red, 2.9 GPM @ 35 PSI, 68 ft	200	Z	MTO

\* For use with Road Protector  
 Note: Please call for Super 10 availability and lead times



S10-NON-14-RD



S10-NON-25-GN



S10-REG-25-YE

# Super 10 Sprinklers

Model #	Part #	Description	Stock Code
<b>Super 10 Nozzles</b>			
S10-BN-NZ	17035100	Brown, 1.4 GPM (for road protector only)	MTO
S10-BE-NZ	17035103	Blue, 1.5 GPM for 25°	MTO
S10-VT-NZ	17035104	Violet, 1.5 GPM for 14°	MTO
S10-YW-NZ	17035106	Yellow, 1.9 GPM	MTO
S10-GN-NZ	17035102	Green, 2.4 GPM	MTO
S10-RD-NZ	17035107	Red, 2.9 GPM	MTO
<b>Super 10 Nozzles - Swirl Inlets</b>			
S10-BE-SI	17031303	for Blue and Violet Nozzle	MTO
S10-YW-SI	17031306	for Yellow Nozzle	MTO
S10-GN-SI	17031302	for Green Nozzle	MTO
S10-RD-SI	17031307	for Red Nozzle	MTO
<b>Super 10 Components</b>			
S10-COVER	17035600	Cover	MTO
S10-NON-B	17031550	1/2" Black Base for Non-Regulated	MTO
S10-REG-B	17031559	1/2" Silver Base for Regulated	MTO
S10-PLATE	17033001	Regulator Plate	MTO
S10-R-DPH	17030420	Diaphragm	MTO
S10-BALL	17030045	5/16" Stainless Ball	MTO
S10-CUSH	17030047	Cushion	MTO
S10-CWASH	17033401	Ceramic Washer	MTO
S10-BWASH	17031408	Buna Washer	MTO
S10-14-BODY	17035017	Nozzle Body 14° (Red)	MTO
S10-25-BODY	17035010	Nozzle Body 25° (Black)	MTO
S10-NOZ-B	17035050	Nozzle Base	MTO
S10-WRENCH	17030050	Wrench for Super 10	MTO
S10-RP	17035800	Road Guard Protector	MTO

Please call for Super 10 availability and lead times

## Super 10 Nozzle



S10-XX-NZ

## Super 10 Swirl Inlets



S10-XX-SI

## Super 10 Compounds



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	Box Code	Stock Code
<b>Mini Revolver 16: Unregulated - Black Base</b>					
MR-NON-BR*	18047341	Brown 27 GPH @ 35 PSI, r 42 ft Diameter	200	Y	
MR-NON-BE	18047343	Blue 35 GPH @ 35 PSI, 46 ft Diameter	200	Y	
MR-NON-YW	18047346	Yellow 47 GPH @ 35 PSI, 48 ft Diameter	200	Y	MTO
MR-NON-VT	18047344	Violet 59 GPH @ 35 PSI, 51 ft Diameter	200	Y	MTO
MR-NON-BK	18047348	Black 71 GPH @ 35 PSI, 52 ft Diameter	200	Y	MTO
MR-NON-OE	18047345	Orange 47 GPH @ 35 PSI, 39 ft Diameter (low angle)	200	Y	MTO
MR-NON-RD	18047347	Red 59 GPH @ 35 PSI, 42 ft Diameter (low angle)	200	Y	MTO
<b>Mini Revolver 16: Regulated - Silver Base</b>					
MR-REG-BE	18047443	Blue 35 GPH @ 35 PSI, 46 ft Diameter	200	Y	
MR-REG-YW	18047446	Yellow 47 GPH @ 35 PSI, 48 ft Diameter	200	Y	
MR-REG-VT	18047444	Violet 59 GPH @ 35 PSI, 51 ft Diameter	200	Y	MTO
MR-REG-BK	18047448	Black 71 GPH @ 35 PSI, 52 ft Diameter	200	Y	MTO
MR-REG-OE	18047445	Orange 47 GPH @ 35 PSI, 39 ft Diameter (low angle)	200	Y	MTO
MR-REG-RD	18047447	Red 59 GPH @ 35 PSI, 42 ft Diameter (low angle)	200	Y	MTO

Please call for availability and lead times on MTO Mini Revolver sprinklers

\* New



# Mini Revolver

Model #	Part #	Description	Box Qty	Box Code	Stock Code
<b>Mini Revolver 16 Nozzles</b>					
MR-BR-NZ	17047101	Brown 27 GPH Mini Revolver Nozzle			MTO
MR-BE-NZ	17047102	Blue 35 GPH Mini Revolver Nozzle			MTO
MR-YW-NZ	17047106	Yellow 47 GPH Mini Revolver Nozzle			MTO
MR-VT-NZ	17047104	Violet 59 GPH Mini Revolver Nozzle			MTO
MR-BK-NZ	17047108	Black 71 GPH Mini Revolver Nozzle			MTO
MR-OE-NZ	17047105	Orange 47 GPH (low angle) Mini Revolver Nozzle			MTO
MR-RD-NZ	17047107	Red 59 GPH (low angle) Mini Revolver Nozzle			MTO
<b>Mini Revolver 16 Components</b>					
MR-NON-B	17040552	1/2" Black Base			MTO
MR-REG-B	17040559	1/2" Silver Base for Regulated			MTO
MR-COVER	17041600	Cover			MTO
MR-ORING	17043001	Base O-Ring			MTO
MR-BE-APT	17041353	Blue Adapter - For Blue Nozzle			MTO
MR-OE-APT	17041355	Orange Adapter - For Orange and Yellow Nozzle			MTO
MR-RD-APT	17041357	Red Adapter - For Red and Violet Nozzle			MTO
MR-BK-APT	17041358	Black Adapter - For Black Nozzle			MTO
MR-NON-APT	17041350	Adapter for Non-Regulated Sprinklers			MTO
MR-BE-ENG	17041303	Blue Engine Base - For Blue Nozzle			MTO
MR-OE-ENG	17041305	Orange Engine Base - For Orange and Yellow Nozzle			MTO
MR-RD-ENG	17041307	Red Engine Base - For Red and Violet Nozzle			MTO
MR-BK-ENG	17041308	Black Engine Base - For Black Nozzle			MTO
MR-BALL	17040001	Stainless Ball			MTO
MR-SEAL	17040410	Body Seal			MTO
MR-R-DPH	17040400	Regulating Diaphragm			MTO
MR-RP	17043005	Road Protector			MTO
MR-ENG	17043502	Engine Body			MTO
MR-BWASH	17040412	Buna Washer			MTO
MR-CWASH	17043400	Ceramic Washer			MTO
MR-NT	17041128	Nozzle Tube			MTO



# Plastic Impacts

MICROS & SPRINKLERS

Model #	Part #	Description	Box Qty	Box Wt	Box Code	Stock Code
<b>429 AG — 1/2" Male Base, Full and Part Circle, 26 Degree</b>						
429AG-S14	16047623	#14 Nozzle (7/64", 2.8 mm) Orange	125	17.9	X	
429AG-S15	16047633	#15 Nozzle (15/128", 3.0 mm) Red	125	17.9	X	MTO
429AG-S16	16047643	#16 Nozzle (1/8", 3.2 mm) Green	125	17.9	X	
429AG-S18	16047653	#18 Nozzle (9/64", 3.6 mm) Blue	125	17.9	X	MTO
429AG-S20	16047663	#20 Nozzle (5/32", 4.0 mm) Black	125	17.9	X	
429AG-RD-WO	16046010	429 without Nozzle, Red Sleeve for 7/64" and smaller nozzles	125	17.9	X	MTO
429AG-BK-WO	16046510	429 without Nozzle, Black Sleeve for 15/128" and larger nozzles	125	17.9	X	MTO
<b>5022 SD — 1/2" Male Base, Full Circle, 25 Degree</b>						
<b>5022 - Single Bayonet Constructed Nozzle</b>						
5022SD-S12	16052701	#12 Nozzle (3/32", 2.4 mm) Purple	100	11.0	W	
5022SD-S14	16052702	#14 Nozzle (7/64", 2.8 mm) Orange	100	11.0	W	
5022SD-S15	16052703	#15 Nozzle (15/128", 3.0 mm) Red	100	11.0	W	
5022SD-S16	16052704	#16 Nozzle (1/8", 3.2 mm) Green	100	11.0	W	
5022SD-S18	16052705	#18 Nozzle (9/64", 3.6 mm) Blue	100	11.0	W	
5022SD-S20	16052706	#20 Nozzle (5/32", 4.0 mm) Black	100	11.0	W	
<b>5022 SD — 1/2" Male Base, Full Circle, 25 Degree</b>						
<b>5022 - Dual Bayonet Constructed Nozzles</b>						
5022SD-D12	16052711	#12 Nozzle (3/32", 2.4 mm) Purple x Lt. Green	100	11.0	W	MTO
5022SD-D14	16052712	#14 Nozzle (7/64", 2.8 mm) Orange x Lt. Green	100	11.0	W	MTO
5022SD-D15	16052713	#15 Nozzle (15/128", 3.0 mm) Red x Lt. Green	100	11.0	W	MTO
5022SD-D16	16052714	#16 Nozzle (1/8", 3.2 mm) Green x Lt. Green	100	11.0	W	MTO
5022SD-D18	16052715	#18 Nozzle (9/64", 3.6 mm) Blue x Lt. Green	100	11.0	W	MTO
5022SD-D20	16052716	#20 Nozzle (5/32", 4.0 mm) Black x Lt. Green	100	11.0	W	MTO
<b>5022 SD — 1/2" Male Base, Full Circle, 25 Degree</b>						
<b>5022 without Nozzles</b>						
5022SD-RD-BE-WO	16052701	5022 without Nozzle Red Sleeve for 7/64 and smaller Sprinkler	100	11.0	W	MTO
5022SD-BK-BE-WO	16052722	5022 without Nozzle Black Sleeve for 15/128 Single and larger Sprinkler	100	11.0	W	
5022SD-BK-BK-WO	16052720	5022 without Nozzle Black Sleeve for 15/128 Dual and larger Sprinkler	100	11.0	W	MTO



MICROS & SPRINKLERS



429AG-S14



5022SD-S12



5022SD-D12

## Plastic Impacts

Model #	Part #	Description	Box Qty	Box Wt	Box Code	Stock Code
<b>5024 Wedge Drive — 1/2" Male Base, Full Circle</b>						
5024WD-S09	16052652	#9 Nozzle (9/28", 1.8 mm) Light Green	125	13	W	
<b>5024 SD — 1/2" Male Base, Full Circle: 12 Degree</b>						
5024SD-12-S12	16052551	#12 Nozzle (3/32", 2.4 mm) Purple	125	13	W	
5024SD-12-S14	16052552	#14 Nozzle (7/64", 2.8 mm) Orange	125	13	W	
5024SD-12-S15	16052553	#15 Nozzle (15/128", 3.0 mm) Red	125	13	W	MTO
5024SD-12-S16	16052554	#16 Nozzle (1/8", 3.2 mm) Green	125	13	W	MTO
5024SD-12-S18	16052555	#18 Nozzle (9/64", 3.6 mm) Blue	125	13	W	MTO
<b>5024 without Nozzles</b>						
5024SD-RD-WO	16052530	5024 without Nozzle, Red Sleeve for 7/64" and smaller nozzles	125	13	W	MTO
5024SD-BK-WO	16052500	5024 without Nozzle, Black Sleeve for 15/128" and larger nozzles	125	13	W	MTO

5024 SD replaced 5024. SD model now includes standard Frost Cap and Super Diffuser for better uniformity.



5024SD-12-S15

## Plastic Impacts

Model #	Part #	Description	Bag Qty	Stock Code
<b>Plastic Impact Nozzles: 429/5022 SD/5024 SD Nozzles</b>				
5022-12-NZ	17582251	#12 Nozzle (3/32", 2.4 mm) Purple	100	MTO
5022-14-NZ	17582281	#14 Nozzle (7/64", 2.8 mm) Orange	100	
5022-15-NZ	17582301	#15 Nozzle (15/128", 3.0 mm) Red	100	MTO
5022-16-NZ	17582321	#16 Nozzle (1/8", 3.2 mm) Green	100	
5022-18-NZ	17582351	#18 Nozzle (9/64", 3.6 mm) Blue	100	
5022-20-NZ	17582401	#20 Nozzle (5/32", 4.0 mm) Black	100	
5022-09-RNZ	17583181	#9 Rear Slotted Nozzle (9/128", 1.78 mm) Light Green	100	MTO
5022-BK-PLUG	17582001	Black Rear Plug	100	
<b>Plastic Impact Nozzles: 5024 (Non SD) Low Angle Nozzles</b>				
5024-9-12-NZ	17584251	#12 Nozzle (3/32", 2.4mm) 5024 9° Purple	100	MTO
5024-9-14-NZ	17584281	#14 Nozzle (7/64", 2.8mm) 5024 9° Orange	100	MTO
5024-9-15-NZ	17584301	#15 Nozzle (64/128", 3.0mm) 5024 9° Red	100	MTO
5024-9-16-NZ	17584321	#16 Nozzle (1/8", 3.2mm) 5024 9° Green	100	MTO
<b>Plastic Impact Nozzles: 5024 (Non SD) High Angle Nozzles</b>				
5024-14-12-NZ	17581251	#12 Nozzle (3/32" 2.4mm) 14° Purple	100	MTO
5024-14-14-NZ	17581281	#14 Nozzle (7/64" 2.8mm) 14° Orange	100	MTO
5024-14-15-NZ	17581321	#15 Nozzle (15/128" 3.0mm) 14° Red	100	MTO
5024-14-16-NZ	17581351	#16 Nozzle (1/8" 3.2mm) 14° Green	100	MTO
<b>Plastic Impact Nozzles: 5024 Wedge Drive Nozzless</b>				
5024-WD-09-NZ	17582181	#9 Nozzle (9/128", 1.8mm) 5024 WD Light Green	100	MTO
5024-WD-10-NZ	17582201	#10 Nozzle (5/64", 2.0mm) 5024 WD White	100	MTO
5024-WD-11-NZ	17582221	#11 Nozzle(11/128", 2.2mm) 5024 WD Brown	100	MTO



5022-12-NZ

## Plastic Impacts

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Box Code	Stock Code
<b>5035 SD — 3/4" Male Base, Single Bayonet Constructed Nozzle, 25 Degree Full Circle, Single Bayonet Constructed Nozzle</b>							
5035SD-S18	16053502	#18 Nozzle (9/64", 3.6 mm) Blue		45	13	W	MTO
5035SD-S20	16053503	#20 Nozzle (5/32", 4.0 mm) Black		45	13	W	
5035SD-S22	16053504	#22 Nozzle (11/64", 4.4 mm) Brown		45	13	W	MTO
5035SD-S25	16053505	#25 Nozzle (25/128", 5.0 mm) Purple		45	13	W	MTO
5035SD-S28	16053506	#28 Nozzle (7/32", 5.6 mm) Orange		45	13	W	MTO
5035SD-S30	16053507	#30 Nozzle (15/64", 6.0 mm) Red		45	13	W	MTO
<b>5035 SD — 3/4" Male Base, Single Bayonet Constructed Nozzle, 25 Degree Part Circle, Single Bayonet Constructed Nozzle</b>							
5035SD-PC-S18	16053602	#18 Nozzle (9/64", 3.6 mm) Blue		45	13	W	MTO
5035SD-PC-S20	16053603	#20 Nozzle (5/32", 4.0 mm) Black		45	13	W	
5035SD-PC-S22	16053604	#22 Nozzle (11/64", 4.4 mm) Brown		45	13	W	MTO
5035SD-PC-S25	16053605	#25 Nozzle (25/128", 5.0 mm) Purple		45	13	W	MTO
<b>5035 SD — 3/4" Male Base, Single Bayonet Constructed Nozzle, 25 Degree 5035 without Nozzle</b>							
5035SD-RD-WO	16053501	Red Sleeve for 5/32" and smaller nozzles		45	13	W	MTO
5035SD-BK-WO	16053510	Black Sleeve for 11/64" and larger nozzles		45	13	W	MTO
<b>5035 SD — 3/4" Male Base, Full Circle, Dual Bayonet Constructed Nozzles, 25 Degree</b>							
5035SD-D18	16053512	#18 (9/64", 3.6mm) Blue Nozzle x 3/32" Nozzle		45	13	W	MTO
5035SD-D20	16053513	#20 (5/32", 4.0mm) Black Nozzle x 3/32" Nozzle		45	13	W	
5035SD-D22	16053514	#22 (11/64", 4.4mm) Brown Nozzle x 3/32" Nozzle		45	13	W	MTO
5035SD-D25	16053515	#25 (25/128", 5.0mm) Purple Nozzle x 3/32" Nozzle		45	13	W	MTO
5035SD-D28	16053516	#28 (7/32", 5.6mm) Orange Nozzle x 3/32" Nozzle		45	13	W	MTO
5035SD-D30	16053517	#30 (15/64", 6.0mm) Red Nozzle x 3/32" Nozzle		45	13	W	MTO
<b>5035 Sprinkler Nozzles</b>							
5035-18-NZ	17585351	#18 Nozzle (9/64", 3.6 mm) Blue	50	300		B	MTO
5035-20-NZ	17585401	#20 Nozzle (5/32", 4.0 mm) Black	50	300		B	MTO
5035-22-NZ	17585451	#22 Nozzle (11/64", 4.4 mm) Brown	50	300		B	MTO
5035-25-NZ	17585501	#25 Nozzle (25/128", 5.0 mm) Purple	50	300		B	MTO
5035-28-NZ	17585551	#28 Nozzle (7/32", 5.6 mm) Orange	50	300		B	MTO
5035-30-NZ	17585601	#30 Nozzle (15/64", 6.0 mm) Red	50	300		B	MTO
5035-12-RNZ	17583251	3/32" Rear Slotted Nozzle, Gray	50	300		B	MTO
5035-BK-PLUG	17582001	Black Rear Plug	100	1200		B	



5035SD-PC-S18



5035SD-D22



5035-18-NZ

## Metal Impacts

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt (lbs)	Box Code	Stock Code
<b>423 AG - 1/2" Male Base, Full and Part Circle, 25 Degree</b>							
423AG-16	16043432	1/8" Green nozzle		75	43	W	MTO
423AG-18	16043435	9/64" Blue nozzle		75	43	W	
423AG-20	16043440	5/32" Black nozzle		75	43	W	

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Box Code	Stock Code
<b>233 AF - 3/4" Male, Full Circle, Anti-Frost, 30 Degree 233AF w/ Single Nozzle</b>							
233AF-S18	16024640	#18 Nozzle (9/64", 3.6 mm) Blue		50	42	W	MTO
233AF-S20	16024642	#20 Nozzle (5/32", 4.0 mm) Black		50	42	W	
233AF-S22	16024644	#22 Nozzle (11/64", 4.4 mm) Brown		50	42	W	
233AF-S25	16024646	#25 Nozzle (25/128", 5.0 mm) Purple		50	42	W	MTO
233AF-S28	16024648	#28 Nozzle (7/32", 5.6 mm) Orange		50	42	W	MTO
233AF-S32	16024650	#32 Nozzle (1/4", 6.4 mm) Gray		50	42	W	MTO

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Box Code	Stock Code
<b>233 AF - 3/4" Male, Full Circle, Anti-Frost, 30 Degree 233AF w/ Dual Nozzles</b>							
233AF-D18	16024654	#18 Nozzle (9/64", 3.6 mm) Blue		50	42	W	MTO
233AF-D20	16024656	#20 Nozzle (5/32", 4.0 mm) Black		50	42	W	MTO
233AF-D22	16024658	#22 Nozzle (11/64", 4.4 mm) Brown		50	42	W	MTO
233AF-D25	16024660	#25 Nozzle (25/128", 5.0 mm) Purple		50	42	W	MTO
233AF-D28	16024662	#28 Nozzle (7/32", 5.6 mm) Orange		50	42	W	MTO
233AF-D32	16024664	#32 Nozzle (1/4", 6.4 mm) Gray		50	42	W	MTO

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Box Code	Stock Code
<b>233 AF - 3/4" Male, Full Circle, Anti-Frost, 30 Degree 233AF without Nozzles</b>							
233AF-RD-WO	16024600	233AF without Nozzle, Red Sleeve for 11/64" and smaller nozzles		50	42	W	MTO
233AF-BK-WO	16024601	233AF without Nozzle, Black Sleeve for 25/128" and larger nozzles		50	42	W	MTO

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Box Code	Stock Code
<b>233 Sprinkler Nozzles</b>							
233AF-18-NZ	17585355	#18 Nozzle (9/64", 3.6 mm) Blue	50				MTO
233AF-20-NZ	17585405	#20 Nozzle (5/32", 4.0 mwm) Black	50				MTO
233AF-22-NZ	17585455	#22 Nozzle (11/64", 4.4 mm) Brown	50				MTO
233AF-25-NZ	17585505	#25 Nozzle (25/128", 5.0 mm) Purple	50				MTO
233AF-28-NZ	17585555	#28 Nozzle (7/32", 5.6 mm) Orange	50				MTO
233AF-32-NZ	17585655	#32 Nozzle (1/4", 6.4 mm) Gray	50				MTO
233AF-12-RNZ	17544251	#12 Rear Slotted Nozzle (3/32", 2.4 mm) , Gray	100				MTO



423AG-20



233AF-D20



233AF-18-NZ

# Field Stands

Series #	Stand Size	PVC Tubing	Connection Type	Take-Off Type	Options
5	Stand 47B	1 24"	2 1/2" FPT	1 Barb 4/7	0 None
		2 30"	4 Acme		
		3 36"			
		4 39"			
		5 48"			
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"			
8	Stand 710	1 24"	1 Press-Fit	2 Barb 7/10	0 None
		2 30"	2 1/2" FPT	4 Take Apart 7/10	
		3 36"			
		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.

# Field Stand Examples

24" Tubing Lead with 5/8 Take Apart Insert

18047343  
Blue 35 GPH @ 35 PSI, 46 ft Diameter

11990071  
Detachable Start Connector 5/8

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

Black Polyethylene Tubing

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

MICROS & SPRINKLERS

179

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## Field Stands

Model #	Part #	Description	Bag Qty	Box Qty	Box Code	Stock Code
<b>Field Stand Connection Adapters</b>						
ACME-1/2A	12290120	Acme x 1/2" Slip PVC Adaptor	50	400	F	MTO
FACME-1/2NPT	12290121	1/2" Female Pipe Thread x Female ACME Coupler		550	Y	MTO
MOD-BF-BB	17090710	Black Butterfly 4/7 Barb	100	1200	C	
AGC-12F-47	17097707	1/2" FPT Agri-connector 4/7mm	25	400	F	MTO
AGC-12F-58	17097108	1/2" FPT Agri-connector 5/8mm	25	400	F	MTO
AGC-12M-58	17482811	1/2" MPT Adapter 5/8mm	25	400	F	MTO
AGC-12F-710	17097110	1/2" FPT Agri-connector 7/10mm	25	400	F	MTO
AGC-12F-912	17097712	1/2" FPT Agri-connector 9/12mm	25	400	F	MTO
FSA-12F-912	17482821	1/2" FPT Adapter 9/12mm	25	400	F	MTO
FSA-12F-FR15-912	17482601	1/2" FPT Adapter Reg. 1.5gpm 9/12mm	25	400	F	MTO
<b>Field Stand LPD</b>						
ILPD-12B	11990512	Irristand 52 LPD barb 12mm		230		MTO
ILPD-16B	11990516	Irristand 56 LPD barb 16mm		230		MTO
ILPD-50NPT	11990601	Universal 1/2" LPD		270		MTO
ILPD-7550NPT	11990602	Universal 3/4" x 1/2" LPD		250		MTO
<b>Field Stand Take Off Adapters</b>						
47-TB	17097032	Barb 4/7mm	100	2800	B	
58-TB	12291015	Barb 5/8mm	100	2800	B	MTO
710-TB	11997047	Barb 7/10mm	100	800	B	MTO
912-TB	12291016	Barb 9/12mm	25	500	B	
HAD-FM-BY	17497051	Bayonet Male Start Connector 4/7	100	2800	B	MTO
HAD-MA-BY	17497041	Bayonet Hose Adapter 4/7	100	2800	B	MTO
HAD-PG-BY	17497031	Plug for Bayonet 4/7	100	2800	B	MTO
FS-SC-58	11990071	Detachable Male Start Connector 5/8	25	500		
FS-SC-710	11990077	Detachable Male Start Connector 7/10	25	500	B	MTO
FS-SC-912	17030902	Detachable Male Start Connector 9/12	25	500	B	MTO
FS-HA-58	11990044	Detachable Female Start Hose Adapter 5/8	500	5000		
FS-HA-710	11990904	Detachable Female Start Hose Adapter 7/10	25	1200	B	MTO
FS-HA-912	17030904	Detachable Female Start Hose Adapter 9/12	25	1200	B	MTO
N/A	11990065	Plug for Detachable 5/8 Start Connector				
N/A	11990906	Plug for Detachable 7/10 Start Connector				
FS-PLUG-912	17030906	Plug for Detachable 9/12 Start Con	25	1200	B	

4/7 is designed for 276 x 158 vinyl tubing  
 5/8 is designed for 300 x 190 vinyl tubing  
 7/10 is designed for 400 x 275 vinyl tubing  
 9/12 is designed for 505 x 355 vinyl tubing



## Field Stands

Model #	Part #	Description	Bag Qty	Box Qty	Box Code	Stock Code
<b>Stakes</b>						
BUR-STK-47	12290250	Burial Stake		9100	A	
ROD-G6-48	17493201	6mm Galv Rod - 48"				MTO
ROD-F8-RD-24	17493212	8mm Red Fibreglass Rod - 24"				MTO
ROD-F8-RD-36	17493213	8mm Red Fibreglass Rod - 36"				MTO
ROD-F8-RD-48	17493214	8mm Red Fibreglass Rod - 48"				MTO
ROD-G8-24	17493203	8mm Galv Rod - 24"				MTO
ROD-G8-48	17493601	8mm Galv Rod - 48"				
ROD-GR8-48	17493652	8mm Galv Rod w/ Stabilizer Ring - 48"				MTO
ROD-GF8-48	17493600	8mm Galv Rod w/ Footpeg - 48"				MTO
<b>Accessories</b>						
FSA-A8	17482820	Adapter to 8mm Rod				MTO
PP-47	17097785	4/7 Hole Punch	1	10	B	
PP-58	17030058	5/8 Hole Punch	1			
AP030	12071008	3.0 mm Hole Punch/Dan/Naan	1	10	B	
AP036	12071009	3.6 mm Hole Punch 250 Series	1	10	B	
AP070	12071025	7.0 mm Hole Punch 400 Series	1	10	B	
PP-400	12070065	400 Series Punch (use w/ 9/12 fittings)	1	10	B	
11930099	16090099	Pusher for Adapter	1	10	B	MTO



BUR-STK-47



PP-400

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11915100	2002-BN-NZ	F-03	\$1.75
11915102	2002-GN-NZ	F-03	\$1.75
11915103	2002-BE-NZ	F-03	\$1.75
11915104	2002-VT-NZ	F-03	\$1.75
11915105	2002-OE-NZ	F-03	\$1.75
11915106	2002-YW-NZ	F-03	\$1.75
11915107	2002-RD-NZ	F-03	\$1.75
11915108	2002-BK-NZ	F-03	\$1.75
11915109	2002-GY-NZ	F-03	\$1.75
11917000	2002-IBODY	F-03	\$1.98
11919000	2005-IBODY	F-05	\$1.37
11990044	FS-HA-58	F-30	\$0.61
11990065	N/A	F-30	\$0.55
11990071	FS-SC-58	F-30	\$0.49
11990077	FS-SC-710	F-30	\$0.70
11990100	FNF-CON	F-17	\$1.15
11990512	ILPD-12B	F-30	\$8.16
11990516	ILPD-16B	F-30	\$8.16
11990601	ILPD-50NPT	F-30	\$8.16
11990602	ILPD-7550NPT	F-30	\$8.16
11990904	FS-HA-710	F-30	\$0.43
11990906	N/A	F-30	\$0.61
11997030	TA-PVC-BF-BB-24	F-10	\$1.79
11997032	TA-PVC-BF-BB-30	F-10	\$1.90
11997036	TA-PVC-BF-BB-36	F-10	\$1.99
11997040	TA-PVC-BF-BB-48	F-10	\$2.19
11997042	TA-PVC-BF-BB-60	F-10	\$2.39
11997047	710-TB	F-30	\$0.61
11997140	TA-PVC-BF-BB-WT-12	F-10	\$2.57
11997142	TA-PVC-BF-BB-WT-18	F-10	\$2.68
11997143	TA-PVC-BF-BB-WT-24	F-10	\$2.72
11997146	TA-PVC-BF-BB-WT-30	F-10	\$2.85
11997149	TA-PVC-BF-BB-WT-36	F-10	\$2.95
11997152	TA-PVC-BF-BB-WT-48	F-10	\$3.15
11997155	TA-PVC-BF-BB-WT-60	F-10	\$3.35
12010595	47-COLLAR	F-15	\$0.30
12070065	PP-400	F-31	\$42.99
12071006	AP025	F-17	\$17.14
12071008	AP030	F-17	\$17.14

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12290009	170-TB	F-17	\$0.17
12290120	ACME-1/2A	F-30	\$1.04
12290121	FACME-1/2NPT	F-30	\$1.04
12290170	JJ-PR	F-17	\$5.67
12290250	BUR-STK-47	F-31	\$1.18
12291015	58-TB	F-30	\$0.29
12291016	912-TB	F-30	\$1.03
12291066	DRAMM-GRO	F-17	\$0.49
12501132	MS-12DR	F-15	\$0.89
12501133	JJ-TOPHAT	F-15	\$0.39
16024600	233AF-RD-WO	F-27	\$36.61
16024601	233AF-BK-WO	F-27	\$36.61
16024640	233AF-S18	F-27	\$36.61
16024642	233AF-S20	F-27	\$36.61
16024644	233AF-S22	F-27	\$36.61
16024646	233AF-S25	F-27	\$36.61
16024648	233AF-S28	F-27	\$36.61
16024650	233AF-S32	F-27	\$36.61
16024654	233AF-D18	F-27	\$36.61
16024656	233AF-D20	F-27	\$36.61
16024658	233AF-D22	F-27	\$36.61
16024660	233AF-D25	F-27	\$36.61
16024662	233AF-D28	F-27	\$36.61
16024664	233AF-D32	F-27	\$36.61
16043432	423AG-16	F-27	\$32.22
16043435	423AG-18	F-27	\$32.22
16043440	423AG-20	F-27	\$32.22
16046010	429AG-RD-WO	F-22	\$19.11
16046510	429AG-BK-WO	F-22	\$19.11
16047623	429AG-S14	F-22	\$19.11
16047633	429AG-S15	F-22	\$19.11
16047643	429AG-S16	F-22	\$19.11
16047653	429AG-S18	F-22	\$19.11
16047663	429AG-S20	F-22	\$19.11
16052500	5024SD-BK-WO	F-24	\$16.79
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16052551	5024SD-12-S12	F-24	\$16.79

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16052555	5024SD-12-S18	F-24	\$16.79
16052652	5024WD-S09	F-24	\$16.79
16052701	5022SD-S12	F-22	\$16.79
16052701	5022SD-RD-BE-WO	F-22	\$16.79
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16052713	5022SD-D15	F-22	\$16.79
16052714	5022SD-D16	F-22	\$16.79
16052715	5022SD-D18	F-22	\$16.79
16052716	5022SD-D20	F-22	\$16.79
16052720	5022SD-BK-BK-WO	F-22	\$16.79
16052722	5022SD-BK-BE-WO	F-22	\$16.79
16053501	5035SD-RD-WO	F-26	\$23.66
16053502	5035SD-S18	F-26	\$23.66
16053503	5035SD-S20	F-26	\$23.66
16053504	5035SD-S22	F-26	\$23.66
16053505	5035SD-S25	F-26	\$23.66
16053506	5035SD-S28	F-26	\$23.66
16053507	5035SD-S30	F-26	\$23.66
16053510	5035SD-BK-WO	F-26	\$23.66
16053512	5035SD-D18	F-26	\$23.66
16053513	5035SD-D20	F-26	\$23.66
16053514	5035SD-D22	F-26	\$23.66
16053515	5035SD-D25	F-26	\$23.66
16053516	5035SD-D28	F-26	\$23.66
16053517	5035SD-D30	F-26	\$23.66
16053602	5035SD-PC-S18	F-26	\$31.55
16053603	5035SD-PC-S20	F-26	\$31.55
16053604	5035SD-PC-S22	F-26	\$31.55
16053605	5035SD-PC-S25	F-26	\$31.55
16090099	11930099	F-31	\$50.70
17010402	2002-REG-DPH	F-03	\$0.77

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17015018	2002-CLIP	F-03	\$0.38
17015500	2002-BB-B	F-03	\$0.72
17015502	2002-FM-B	F-03	\$0.72
17015504	2002-38-B	F-03	\$0.72
17015506	2002-QT-B	F-03	\$0.72
17015600	2002-BODY	F-03	\$1.15
17016202	2002-GN-INV	F-03	\$0.45
17016203	2002-BE-1S	F-03	\$0.45
17016207	2002-RD-1S	F-03	\$0.45
17016208	2002-BK-1S	F-03	\$0.45
17016213	2002-BE-2S	F-03	\$0.45
17016215	2002-OE-1S	F-03	\$0.45
17016217	2002-RD-2S	F-03	\$0.45
17016218	2002-BK-2S	F-03	\$0.45
17018600	2005-BODY	F-05	\$0.71
17019100	2005-BN-FM-NZ	F-05	\$1.05
17019102	2005-GN-FM-NZ	F-05	\$1.05
17019103	2005-BE-FM-NZ	F-05	\$1.05
17019104	2005-VT-FM-NZ	F-05	\$1.05
17019105	2005-OE-FM-NZ	F-05	\$1.05
17019108	2005-BK-FM-NZ	F-05	\$1.05
17019109	2005-GY-FM-NZ	F-05	\$1.05
17019110	2005-BN-38-NZ	F-05	\$1.05
17019112	2005-GN-38-NZ	F-05	\$1.05
17019113	2005-BE-38-NZ	F-05	\$1.05
17019114	2005-VT-38-NZ	F-05	\$1.05
17019115	2005-OE-38-NZ	F-05	\$1.05
17019118	2005-BK-38-NZ	F-05	\$1.05
17019119	2005-GY-38-NZ	F-05	\$1.05
17019120	2005-BN-12-NZ	F-05	\$1.05
17019122	2005-GN-12-NZ	F-05	\$1.05
17019123	2005-BE-12-NZ	F-05	\$1.05
17019124	2005-VT-12-NZ	F-05	\$1.05
17019125	2005-OE-12-NZ	F-05	\$1.05
17019128	2005-BK-12-NZ	F-05	\$1.05
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17019150	2005-BN-QT-NZ	F-05	\$1.05
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17019158	2005-BK-QT-NZ	F-05	\$1.05
17019159	2005-GY-QT-NZ	F-05	\$1.05
17019202	2005-GN-1S	F-05	\$0.55
17019203	2005-BE-1S	F-05	\$0.55
17019208	2005-BK-1S	F-05	\$0.55
17019209	2005-GY-1S	F-05	\$0.55
17019212	2005-GN-1S	F-05	\$0.55
17019223	2005-BE-2S	F-05	\$0.55
17019228	2005-BK-2S	F-05	\$0.55
17019229	2005-GY-2S	F-05	\$0.55
17019308	2005-QT-A	F-05	\$0.51
17030045	S10-BALL	F-19	\$1.05
17030047	S10-CUSH	F-19	\$0.23
17030050	S10-WRENCH	F-19	\$3.45
17030058	PP-58	F-31	\$50.24
17030420	S10-R-DPH	F-19	\$0.86
17030902	FS-SC-912	F-30	\$0.76
17030904	FS-HA-912	F-30	\$0.46
17030906	FS-PLUG-912	F-30	\$0.78
17031302	S10-GN-SI	F-19	\$2.63
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17031307	S10-RD-SI	F-19	\$2.23
17031408	S10-BWASH	F-19	\$0.89
17031550	S10-NON-B	F-19	\$1.83
17031559	S10-REG-B	F-19	\$1.83
17033001	S10-PLATE	F-19	\$1.04
17033401	S10-CWASH	F-19	\$1.09
17035010	S10-25-BODY	F-19	\$1.31
17035017	S10-14-BODY	F-19	\$1.31
17035050	S10-NOZ-B	F-19	\$0.56
17035100	S10-BN-NZ	F-19	\$1.04
17035102	S10-GN-NZ	F-19	\$1.04
17035103	S10-BE-NZ	F-19	\$1.04
17035104	S10-VT-NZ	F-19	\$1.04
17035106	S10-YW-NZ	F-19	\$1.04
17035107	S10-RD-NZ	F-19	\$1.04
17035600	S10-COVER	F-19	\$1.25

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17040400	MR-R-DPH	F-21	\$0.86
17040410	MR-SEAL	F-21	\$0.56
17040412	MR-BWASH	F-21	\$1.05
17040552	MR-NON-B	F-21	\$2.11
17040559	MR-REG-B	F-21	\$2.11
17041128	MR-NT	F-21	\$1.01
17041303	MR-BE-ENG	F-21	\$1.05
17041305	MR-OE-ENG	F-21	\$1.05
17041307	MR-RD-ENG	F-21	\$1.05
17041308	MR-BK-ENG	F-21	\$1.05
17041350	MR-NON-APT	F-21	\$1.54
17041353	MR-BE-APT	F-21	\$1.05
17041355	MR-OE-APT	F-21	\$1.05
17041357	MR-RD-APT	F-21	\$1.05
17041358	MR-BK-APT	F-21	\$1.05
17041600	MR-COVER	F-21	\$0.81
17043000	2002-TP	F-03	\$0.45
17043001	MR-ORING	F-21	\$0.34
17043005	MR-RP	F-21	\$1.44
17043400	MR-CWASH	F-21	\$1.02
17043502	MR-ENG	F-21	\$0.49
17047101	MR-BR-NZ	F-21	\$0.76
17047102	MR-BE-NZ	F-21	\$0.76
17047104	MR-VT-NZ	F-21	\$0.76
17047105	MR-OE-NZ	F-21	\$0.76
17047106	MR-YW-NZ	F-21	\$0.76
17047107	MR-RD-NZ	F-21	\$0.76
17047108	MR-BK-NZ	F-21	\$0.76
17050012	MOD-GN-AM	F-09	\$0.47
17050013	MOD-BE-AM	F-09	\$0.47
17050015	MOD-OE-AM	F-09	\$0.47
17050016	MOD-YW-AM	F-09	\$0.47
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17050101	MOD-IY-NZ	F-09	\$0.34
17050102	MOD-GN-NZ	F-09	\$0.34
17050103	MOD-BE-NZ	F-09	\$0.34
17050104	MOD-VT-NZ	F-09	\$0.34
17050105	MOD-OE-NZ	F-09	\$0.34

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17050109	MOD-GY-NZ	F-09	\$0.34
17050202	MOD-GK-S	F-09	\$0.46
17050208	MOD-BKS-S	F-09	\$0.46
17050215	MOD-OO-S	F-09	\$0.46
17050217	MOD-IPS-S	F-09	\$0.46
17050218	MOD-BR-S	F-09	\$0.46
17050220	MOD-IPC-S	F-09	\$0.46
17050228	MOD-BES-S	F-09	\$0.46
17050302	MOD-GJ-S	F-10	\$0.46
17050303	MOD-BS-S	F-10	\$0.46
17050305	MOD-OC-S	F-10	\$0.46
17050306	MOD-YF-S	F-10	\$0.46
17050308	MOD-90-S	F-10	\$0.46
17050314	MOD-VMD-S	F-10	\$0.46
17050317	MOD-180-S	F-10	\$0.46
17050600	MOD-BODY	F-09	\$1.05
17090710	MOD-BF-47B	F-09	\$0.67
17090710	MOD-BF-BB	F-30	\$0.67
17091239	FNF-PLUG	F-17	\$0.31
17097001	MOD-12-B	F-09	\$1.26
17097002	MOD-38-B	F-09	\$1.26
17097016	MOD-BF-38T	F-09	\$0.67
17097017	MOD-BF-QT	F-09	\$0.67
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17097051	WEIGHT	F-17	\$0.83
17097108	AGC-12F-58	F-30	\$1.22
17097110	AGC-12F-710	F-30	\$1.22
17097707	AGC-12F-47	F-30	\$1.22
17097712	AGC-12F-912	F-30	\$1.22
17097785	PP-47	F-17	\$20.36
17097785	PP-47	F-31	\$20.36
17097907	STAKE-31R	F-10	\$1.08
17097908	STAKE-31B	F-10	\$1.08
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17135442	S10-NON-25-GN	F-18	\$12.68
17135443	S10-NON-25-BE	F-18	\$12.68
17135446	S10-NON-25-YW	F-18	\$12.68
17135447	S10-NON-25-RD	F-18	\$12.68
17135742	S10-NON-14-GN	F-18	\$12.68
17135744	S10-NON-14-VT	F-18	\$12.68
17135746	S10-NON-14-YW	F-18	\$12.68
17135747	S10-NON-14-RD	F-18	\$12.68
17136442	S10-REG-25-GN	F-18	\$15.88
17136443	S10-REG-25-BE	F-18	\$15.88
17136446	S10-REG-25-YW	F-18	\$15.88
17136447	S10-REG-25-RD	F-18	\$15.88
17136742	S10-REG-14-GN	F-18	\$15.88
17136744	S10-REG-14-VT	F-18	\$15.88
17136746	S10-REG-14-YW	F-18	\$15.88
17136747	S10-REG-14-RD	F-18	\$15.88
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17482811	AGC-12M-58	F-30	\$1.22
17482820	FSA-A8	F-31	\$1.58
17482821	FSA-12F-912	F-30	\$2.15
17493201	ROD-G6-48	F-31	\$3.21
17493203	ROD-G8-24	F-31	\$4.03
17493212	ROD-F8-RD-24	F-31	\$3.25
17493213	ROD-F8-RD-36	F-31	\$4.88
17493214	ROD-F8-RD-48	F-31	\$5.85
17493600	ROD-GF8-48	F-31	\$6.63
17493601	ROD-G8-48	F-31	\$6.63
17493652	ROD-GR8-48	F-31	\$10.68
17497031	HAD-PG-BY	F-30	\$0.52
17497041	HAD-MA-BY	F-30	\$0.52
17497051	HAD-FM-BY	F-30	\$0.52
17544251	233AF-12-RNZ	F-27	\$1.83
17581251	5024-14-12-NZ	F-25	\$1.83
17581281	5024-14-14-NZ	F-25	\$1.83
17581321	5024-14-15-NZ	F-25	\$1.83
17581351	5024-14-16-NZ	F-25	\$1.83
17582001	5022-BK-PLUG	F-25	\$1.83
17582001	5035-BK-PLUG	F-26	\$1.83

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17582221	5024-WD-11-NZ	F-25	\$1.83
17582251	5022-12-NZ	F-25	\$1.83
17582281	5022-14-NZ	F-25	\$1.83
17582301	5022-15-NZ	F-25	\$1.83
17582321	5022-16-NZ	F-25	\$1.83
17582351	5022-18-NZ	F-25	\$1.83
17582401	5022-20-NZ	F-25	\$1.83
17583181	5022-09-RNZ	F-25	\$1.83
17583251	5035-12-RNZ	F-26	\$1.83
17584251	5024-9-12-NZ	F-25	\$1.83
17584281	5024-9-14-NZ	F-25	\$1.83
17584301	5024-9-15-NZ	F-25	\$1.83
17584321	5024-9-16-NZ	F-25	\$1.83
17585351	5035-18-NZ	F-26	\$3.35
17585355	233AF-18-NZ	F-27	\$3.35
17585401	5035-20-NZ	F-26	\$3.35
17585405	233AF-20-NZ	F-27	\$3.35
17585451	5035-22-NZ	F-26	\$3.35
17585455	233AF-22-NZ	F-27	\$3.35
17585501	5035-25-NZ	F-26	\$3.35
17585505	233AF-25-NZ	F-27	\$3.35
17585551	5035-28-NZ	F-26	\$3.35
17585555	233AF-28-NZ	F-27	\$3.35
17585601	5035-30-NZ	F-26	\$3.35
17585655	233AF-32-NZ	F-27	\$3.35
18047341	MR-NON-BR*	F-20	\$9.10
18047343	MR-NON-BE	F-20	\$9.10
18047344	MR-NON-VT	F-20	\$9.10
18047345	MR-NON-OE	F-20	\$9.10
18047346	MR-NON-YW	F-20	\$9.10
18047347	MR-NON-RD	F-20	\$9.10
18047348	MR-NON-BK	F-20	\$9.10
18047443	MR-REG-BE	F-20	\$10.92
18047444	MR-REG-VT	F-20	\$10.92
18047445	MR-REG-OE	F-20	\$10.92
18047446	MR-REG-YW	F-20	\$10.92
18047447	MR-REG-RD	F-20	\$10.92
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22020071	MS-12DR-36PE	F-15	\$1.36

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F-03	2002-BE-NZ	11915103	\$1.75
F-03	2002-VT-NZ	11915104	\$1.75
F-03	2002-OE-NZ	11915105	\$1.75
F-03	2002-YW-NZ	11915106	\$1.75
F-03	2002-RD-NZ	11915107	\$1.75
F-03	2002-BK-NZ	11915108	\$1.75
F-03	2002-GY-NZ	11915109	\$1.75
F-03	2002-IBODY	11917000	\$1.98
F-03	2002-REG-DPH	17010402	\$0.77
F-03	2002-RD-BR	17015007	\$0.38
F-03	2002-CLIP	17015018	\$0.38
F-03	2002-BB-B	17015500	\$0.72
F-03	2002-FM-B	17015502	\$0.72
F-03	2002-38-B	17015504	\$0.72
F-03	2002-QT-B	17015506	\$0.72
F-03	2002-BODY	17015600	\$1.15
F-03	2002-GN-INV	17016202	\$0.45
F-03	2002-BE-1S	17016203	\$0.45
F-03	2002-RD-1S	17016207	\$0.45
F-03	2002-BK-1S	17016208	\$0.45
F-03	2002-BE-2S	17016213	\$0.45
F-03	2002-OE-1S	17016215	\$0.45
F-03	2002-RD-2S	17016217	\$0.45
F-03	2002-BK-2S	17016218	\$0.45
F-03	2002-TP	17043000	\$0.45
F-03	STAKE-37R	17097947	\$1.17
F-05	2005-IBODY	11919000	\$1.37
F-05	2005-BODY	17018600	\$0.71
F-05	2005-BN-FM-NZ	17019100	\$1.05
F-05	2005-GN-FM-NZ	17019102	\$1.05
F-05	2005-BE-FM-NZ	17019103	\$1.05
F-05	2005-VT-FM-NZ	17019104	\$1.05
F-05	2005-OE-FM-NZ	17019105	\$1.05
F-05	2005-BK-FM-NZ	17019108	\$1.05
F-05	2005-GY-FM-NZ	17019109	\$1.05
F-05	2005-BN-38-NZ	17019110	\$1.05
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F-05	2005-BK-38-NZ	17019118	\$1.05
F-05	2005-GY-38-NZ	17019119	\$1.05
F-05	2005-BN-12-NZ	17019120	\$1.05
F-05	2005-GN-12-NZ	17019122	\$1.05
F-05	2005-BE-12-NZ	17019123	\$1.05
F-05	2005-VT-12-NZ	17019124	\$1.05
F-05	2005-OE-12-NZ	17019125	\$1.05
F-05	2005-BK-12-NZ	17019128	\$1.05
F-05	2005-GY-12-NZ	17019129	\$1.05
F-05	2005-BN-QT-NZ	17019150	\$1.05
F-05	2005-GN-QT-NZ	17019152	\$1.05
F-05	2005-BE-QT-NZ	17019153	\$1.05
F-05	2005-VT-QT-NZ	17019154	\$1.05
F-05	2005-OE-QT-NZ	17019155	\$1.05
F-05	2005-BK-QT-NZ	17019158	\$1.05
F-05	2005-GY-QT-NZ	17019159	\$1.05
F-05	2005-GN-1S	17019202	\$0.55
F-05	2005-BE-1S	17019203	\$0.55
F-05	2005-BK-1S	17019208	\$0.55
F-05	2005-GY-1S	17019209	\$0.55
F-05	2005-GN-1S	17019212	\$0.55
F-05	2005-BE-2S	17019223	\$0.55
F-05	2005-BK-2S	17019228	\$0.55
F-05	2005-GY-2S	17019229	\$0.55
F-05	2005-QT-A	17019308	\$0.51
F-05	STAKE-37R	17097947	\$1.17
F-09	MOD-GN-AM	17050012	\$0.47
F-09	MOD-BE-AM	17050013	\$0.47
F-09	MOD-OE-AM	17050015	\$0.47
F-09	MOD-YW-AM	17050016	\$0.47
F-09	MOD-BN-NZ	17050100	\$0.34
F-09	MOD-IY-NZ	17050101	\$0.34
F-09	MOD-GN-NZ	17050102	\$0.34
F-09	MOD-BE-NZ	17050103	\$0.34
F-09	MOD-VT-NZ	17050104	\$0.34
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F-09	MOD-38-B	17097002	\$1.26
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F-10	TA-PVC-BF-BB-24	11997030	\$1.79
F-10	TA-PVC-BF-BB-30	11997032	\$1.90
F-10	TA-PVC-BF-BB-36	11997036	\$1.99
F-10	TA-PVC-BF-BB-48	11997040	\$2.19
F-10	TA-PVC-BF-BB-60	11997042	\$2.39
F-10	TA-PVC-BF-BB-WT-12	11997140	\$2.57
F-10	TA-PVC-BF-BB-WT-18	11997142	\$2.68
F-10	TA-PVC-BF-BB-WT-24	11997143	\$2.72
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F-10	TA-PVC-BF-BB-WT-36	11997149	\$2.95
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F-10	MOD-GJ-S	17050302	\$0.46
F-10	MOD-BS-S	17050303	\$0.46
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F-10	MOD-YF-S	17050306	\$0.46
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F-10	MOD-VMD-S	17050314	\$0.46
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F-10	STAKE-31R	17097907	\$1.08
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F-15	47-COLLAR	12010595	\$0.30
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F-17	FNF-CON	11990100	\$1.15
F-17	AP025	12071006	\$17.14
F-17	AP030	12071008	\$17.14
F-17	170-TB	12290009	\$0.17
F-17	JJ-PR	12290170	\$5.67
F-17	DRAMM-GRO	12291066	\$0.49
F-17	FNF-PLUG	17091239	\$0.31
F-17	47-TB	17097032	\$0.18
F-17	WEIGHT	17097051	\$0.83
F-17	PP-47	17097785	\$20.36
F-18	S10-NON-25-BN	17135440	\$12.68
F-18	S10-NON-25-GN	17135442	\$12.68
F-18	S10-NON-25-BE	17135443	\$12.68
F-18	S10-NON-25-YW	17135446	\$12.68
F-18	S10-NON-25-RD	17135447	\$12.68
F-18	S10-NON-14-GN	17135742	\$12.68
F-18	S10-NON-14-VT	17135744	\$12.68
F-18	S10-NON-14-YW	17135746	\$12.68
F-18	S10-NON-14-RD	17135747	\$12.68
F-18	S10-REG-25-GN	17136442	\$15.88
F-18	S10-REG-25-BE	17136443	\$15.88
F-18	S10-REG-25-YW	17136446	\$15.88
F-18	S10-REG-25-RD	17136447	\$15.88
F-18	S10-REG-14-GN	17136742	\$15.88
F-18	S10-REG-14-VT	17136744	\$15.88
F-18	S10-REG-14-YW	17136746	\$15.88
F-18	S10-REG-14-RD	17136747	\$15.88
F-19	S10-BALL	17030045	\$1.05
F-19	S10-CUSH	17030047	\$0.23
F-19	S10-WRENCH	17030050	\$3.45
F-19	S10-R-DPH	17030420	\$0.86
F-19	S10-GN-SI	17031302	\$2.63
F-19	S10-BE-SI	17031303	\$2.23
F-19	S10-YW-SI	17031306	\$2.63
F-19	S10-RD-SI	17031307	\$2.23
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F-19	S10-CWASH	17033401	\$1.09
F-19	S10-25-BODY	17035010	\$1.31
F-19	S10-14-BODY	17035017	\$1.31
F-19	S10-NOZ-B	17035050	\$0.56
F-19	S10-BN-NZ	17035100	\$1.04
F-19	S10-GN-NZ	17035102	\$1.04
F-19	S10-BE-NZ	17035103	\$1.04
F-19	S10-VT-NZ	17035104	\$1.04
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F-19	S10-RD-NZ	17035107	\$1.04
F-19	S10-COVER	17035600	\$1.25
F-19	S10-RP	17035800	\$1.96
F-20	MR-NON-BR*	18047341	\$9.10
F-20	MR-NON-BE	18047343	\$9.10
F-20	MR-NON-VT	18047344	\$9.10
F-20	MR-NON-OE	18047345	\$9.10
F-20	MR-NON-YW	18047346	\$9.10
F-20	MR-NON-RD	18047347	\$9.10
F-20	MR-NON-BK	18047348	\$9.10
F-20	MR-REG-BE	18047443	\$10.92
F-20	MR-REG-VT	18047444	\$10.92
F-20	MR-REG-OE	18047445	\$10.92
F-20	MR-REG-YW	18047446	\$10.92
F-20	MR-REG-RD	18047447	\$10.92
F-20	MR-REG-BK	18047448	\$10.92
F-21	MR-BALL	17040001	\$0.87
F-21	MR-R-DPH	17040400	\$0.86
F-21	MR-SEAL	17040410	\$0.56
F-21	MR-BWASH	17040412	\$1.05
F-21	MR-NON-B	17040552	\$2.11
F-21	MR-REG-B	17040559	\$2.11
F-21	MR-NT	17041128	\$1.01
F-21	MR-BE-ENG	17041303	\$1.05
F-21	MR-OE-ENG	17041305	\$1.05
F-21	MR-RD-ENG	17041307	\$1.05
F-21	MR-BK-ENG	17041308	\$1.05
F-21	MR-NON-APT	17041350	\$1.54
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F-21	MR-COVER	17041600	\$0.81
F-21	MR-ORING	17043001	\$0.34
F-21	MR-RP	17043005	\$1.44
F-21	MR-CWASH	17043400	\$1.02
F-21	MR-ENG	17043502	\$0.49
F-21	MR-BR-NZ	17047101	\$0.76
F-21	MR-BE-NZ	17047102	\$0.76
F-21	MR-VT-NZ	17047104	\$0.76
F-21	MR-OE-NZ	17047105	\$0.76
F-21	MR-YW-NZ	17047106	\$0.76
F-21	MR-RD-NZ	17047107	\$0.76
F-21	MR-BK-NZ	17047108	\$0.76
F-22	429AG-RD-WO	16046010	\$19.11
F-22	429AG-BK-WO	16046510	\$19.11
F-22	429AG-S14	16047623	\$19.11
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F-22	429AG-S18	16047653	\$19.11
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F-22	5022SD-S12	16052701	\$16.79
F-22	5022SD-RD-BE-WO	16052701	\$16.79
F-22	5022SD-S14	16052702	\$16.79
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F-24	5024SD-BK-WO	16052500	\$16.79
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F-25	5024-14-12-NZ	17581251	\$1.83
F-25	5024-14-14-NZ	17581281	\$1.83
F-25	5024-14-15-NZ	17581321	\$1.83
F-25	5024-14-16-NZ	17581351	\$1.83
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F-25	5024-WD-09-NZ	17582181	\$1.83
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F-25	5024-WD-11-NZ	17582221	\$1.83
F-25	5022-12-NZ	17582251	\$1.83
F-25	5022-14-NZ	17582281	\$1.83
F-25	5022-15-NZ	17582301	\$1.83
F-25	5022-16-NZ	17582321	\$1.83
F-25	5022-18-NZ	17582351	\$1.83
F-25	5022-20-NZ	17582401	\$1.83
F-25	5022-09-RNZ	17583181	\$1.83
F-25	5024-9-12-NZ	17584251	\$1.83
F-25	5024-9-14-NZ	17584281	\$1.83
F-25	5024-9-15-NZ	17584301	\$1.83
F-25	5024-9-16-NZ	17584321	\$1.83
F-26	5035SD-RD-WO	16053501	\$23.66
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F-26	5035SD-S28	16053506	\$23.66
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F-26	5035SD-D22	16053514	\$23.66
F-26	5035SD-D25	16053515	\$23.66
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F-26	5035-12-RNZ	17583251	\$1.83
F-26	5035-18-NZ	17585351	\$3.35
F-26	5035-20-NZ	17585401	\$3.35
F-26	5035-22-NZ	17585451	\$3.35
F-26	5035-25-NZ	17585501	\$3.35
F-26	5035-28-NZ	17585551	\$3.35
F-26	5035-30-NZ	17585601	\$3.35
F-27	233AF-RD-WO	16024600	\$36.61
F-27	233AF-BK-WO	16024601	\$36.61
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F-27	233AF-D20	16024656	\$36.61
F-27	233AF-D22	16024658	\$36.61
F-27	233AF-D25	16024660	\$36.61
F-27	233AF-D28	16024662	\$36.61
F-27	233AF-D32	16024664	\$36.61
F-27	423AG-16	16043432	\$32.22
F-27	423AG-18	16043435	\$32.22
F-27	423AG-20	16043440	\$32.22
F-27	233AF-12-RNZ	17544251	\$1.83
F-27	233AF-18-NZ	17585355	\$3.35
F-27	233AF-20-NZ	17585405	\$3.35
F-27	233AF-22-NZ	17585455	\$3.35
F-27	233AF-25-NZ	17585505	\$3.35
F-27	233AF-28-NZ	17585555	\$3.35
F-27	233AF-32-NZ	17585655	\$3.35
F-30	FS-HA-58	11990044	\$0.61
F-30	N/A	11990065	\$0.55
F-30	FS-SC-58	11990071	\$0.49
F-30	FS-SC-710	11990077	\$0.70
F-30	ILPD-12B	11990512	\$8.16
F-30	ILPD-16B	11990516	\$8.16

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Page	Model #	Part #	Price
F-30	ILPD-50NPT	11990601	\$8.16
F-30	ILPD-7550NPT	11990602	\$8.16
F-30	FS-HA-710	11990904	\$0.43
F-30	N/A	11990906	\$0.61
F-30	710-TB	11997047	\$0.61
F-30	ACME-1/2A	12290120	\$1.04
F-30	FACME-1/2NPT	12290121	\$1.04
F-30	58-TB	12291015	\$0.29
F-30	912-TB	12291016	\$1.03
F-30	FS-SC-912	17030902	\$0.76
F-30	FS-HA-912	17030904	\$0.46
F-30	FS-PLUG-912	17030906	\$0.78
F-30	MOD-BF-BB	17090710	\$0.67
F-30	47-TB	17097032	\$0.18
F-30	AGC-12F-58	17097108	\$1.22
F-30	AGC-12F-710	17097110	\$1.22
F-30	AGC-12F-47	17097707	\$1.22
F-30	AGC-12F-912	17097712	\$1.22
F-30	FSA-12F-FR15-912	17482601	\$6.13
F-30	AGC-12M-58	17482811	\$1.22
F-30	FSA-12F-912	17482821	\$2.15
F-30	HAD-PG-BY	17497031	\$0.52
F-30	HAD-MA-BY	17497041	\$0.52
F-30	HAD-FM-BY	17497051	\$0.52
F-31	PP-400	12070065	\$42.99
F-31	AP030	12071008	\$17.14
F-31	AP036	12071009	\$17.14
F-31	AP070	12071025	\$17.14
F-31	BUR-STK-47	12290250	\$1.18
F-31	11930099	16090099	\$50.70
F-31	PP-58	17030058	\$50.24
F-31	PP-47	17097785	\$20.36
F-31	FSA-A8	17482820	\$1.58
F-31	ROD-G6-48	17493201	\$3.21
F-31	ROD-G8-24	17493203	\$4.03
F-31	ROD-F8-RD-24	17493212	\$3.25
F-31	ROD-F8-RD-36	17493213	\$4.88
F-31	ROD-F8-RD-48	17493214	\$5.85
F-31	ROD-GF8-48	17493600	\$6.63
F-31	ROD-G8-48	17493601	\$6.63
F-31	ROD-GR8-48	17493652	\$10.68





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- G-06**    Multi-Port Manifolds
- G-07**    Bubblers
- G-08**    Shrubblers
- G-09**    Bucket Kits

## Pressure Compensating Emitters

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Box Code	Stock Code
<b>Click Tif Button Emitter HD - Pressure Compensating - Check Non Leak (CNL) Model</b>							
Opens at 11.4 psi; closes at 4.3 psi							
CTHDT2-CNL	12503205	0.5 GPH, brown, taper	100	1000	7	C	
CTHDT3-CNL	12503208	0.8 GPH, blue, taper	100	1000	7	C	MTO
CTHDT4-CNL	12503210	1.0 GPH, black, taper	100	1000	7	C	
CTHDT8-CNL	12503215	2.0 GPH, green, taper	100	1000	7	C	
CTHDT12-CNL	12503220	3.0 GPH, red, taper	100	1000	7	C	MTO
CTHDB2-CNL	12503255	0.5 GPH, brown, barb	100	1000	7	C	MTO
CTHDB4-CNL	12503260	1.0 GPH, black, barb	100	1000	7	C	
CTHDT2-CNL-BULK	32021205	0.5 GPH, brown, taper, BULK		4000	27	Z	
CTHDT3-CNL-BULK	32021208	0.8 GPH, blue, taper, BULK		4000	27	Z	
CTHDT4-CNL-BULK	32021210	1.0 GPH, black, taper, BULK		4000	27	Z	
CTHDT8-CNL-BULK	32021215	2.0 GPH, green, taper, BULK		4000	27	Z	
CTHDT12-CNL-BULK	32021220	3.0 GPH, red, taper, BULK		4000	27	Z	
CTHDB2-CNL-BULK	32021255	0.5 GPH, brown, barb, BULK		4000	27	Z	
CTHDB4-CNL-BULK	32021260	1.0 GPH, black, barb, BULK		4000	27	Z	

Note: Barb emitters use 187x125 tubing; Taper emitters use multi-outlet components on page.  
Bulk items sold in box qty only.  
For best results use 1/8" punch tool.



## Pressure Compensating Emitters

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Box Code	Stock Code
<b>Click Tif Button Emitter HD</b>							
CTTPC2	12503405	0.5 GPH Brown, taper	100	1000	7.0	C	MTO
CTTPC4	12503410	1.0 GPH Black, taper	100	1000	7.0	C	
CTTPC8	12503420	2.0 GPH Green, taper	100	1000	7.0	C	
CTBPC2	12503505	0.5 GPH Brown, barb	100	1000	7.0	C	
CTBPC4	12503510	1.0 GPH Black, barb	100	1000	7.0	C	
CTTPC2-BULK	32020405	0.5 GPH Brown, taper, BULK		4000	27.0	C	
CTTPC4-BULK	32020410	1.0 GPH Black, taper, BULK		4000	27.0	Z	
CTTPC8-BULK	32020420	2.0 GPH Green, taper, BULK		4000	27.0	Z	
CTBPC2-BULK	32020505	0.5 GPH Brown, barb, BULK		4000	27.0	Z	MTO
CTBPC4-BULK	32020510	1.0 GPH Black, barb, BULK		4000	27.0	Z	MTO
<b>Micro Flappers - Self-Flushing - 0.187" Barb Inlet x 1/8" Outlet Barb</b>							
MF-1/2	72501103	0.5 GPH Brown	100	5000	11.5	B	
MF-3/4	72501104	0.75 GPH Gray	100	5000	11.5	B	MTO
MF-1	72501105	1.0 GPH Black	100	5000	11.5	B	
MF-2	72501106	2.0 GPH Green	100	5000	11.5	B	
<b>Micro Flappers - Self-Flushing - 0.187" Barb Inlet x 1/8" Outlet Barb</b>							
CETAPC02	72500825	CETA Emitter 0.5 GPH - Red	100	1500			
CETAPC04	72500826	CETA Emitter 1.0 GPH - Black	100	1500			
CETAPC08	72500827	CETA Emitter 2.0 GPH - Green	100	1500			
<b>Self Piercing Barb Turbo PC Emitter with 1/4" Barb Inlet &amp; Taper Outlet</b>							
JE02	72500560	0.5 GPH Yellow	50	1500	13.0	F	
JE04	72500561	1.0 GPH Black	50	1500	13.0	F	
JE08	72500562	2.0 GPH Blue	50	1500	13.0	F	
JE14	72500563	3.7 GPH Green	50	1500	13.0	F	



## Non-Pressure Compensating Emitters

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Box Code
<b>Turbulent Flow Drip Emitter with 1/4" Barb Inlet</b>						
TF-A	72015071	Adjustable 0-12.0 GPH, 1/4" barb inlet	100	500	7.1	B
<b>Flag Emitters with Locking Cap - Take Apart Laminar Flow Emitter, 1/4" Barb Inlet &amp; Outlet (0.160 ~ 0.170" ID Tubing)</b>						
JL02	72500753	0.5 GPH Yellow	100	2000	7.1	C
JL04	72500746	1.0 GPH Black	100	2000	7.1	C
JL08	72500748	2.0 GPH Blue	100	2000	7.1	C
JL16	72500750	4.0 GPH Green	100	2000	7.1	C
<b>Mini Inline Emitter - Double Sided - 1/4" Taper Barb</b>						
MIL02	72500566	0.5 GPH Orange	100	1500		
MIL02	72500567	1.0 GPH Black	50	1500		
MIL02	72500568	2.0 GPH Blue	100	1500		





## Jets & Sprays

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



## Stake Accessories

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Box Code	Stock Code
<b>Micro-Pop Riser with Stake End and 1/4" Barb Inlet – Non-Rotating Pop-Up Riser</b>							
PMP2	72500740	9" Riser retracted length 15"	10	30	8.5	F	
PMP3	72500741	6" Riser retracted length 11 1/2"	10	30	6.5	C	MTO
<b>R-Stake</b>							
RSTAKE	72015046	6" Riser Stake with 10-32 thread outlet	25	250	1.4	F	
<b>12" Mounting Stake</b>							
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	A	
<b>Rigid Risers - 0.160 ID x 0.300 OD</b>							
PRR06	72500969	6" Riser Extension	25	500	4.6	B	
PRR08	71195028	8" Riser Extension	25	500	6.0	C	
PRR12	71195029	12" Riser Extension	25	500	8.8	C	
PRR18	71195030	18" Riser Extension	25	500	12.9	A	
<b>Rigid Risers with Barbed Adapter - 0.160 ID x 0.300 OD with Barbed Adapter</b>							
PRRAB06	72500515	6" Riser	25	500	8.8	B	MTO
PRRAB08	72500516	8" Riser	25	500	11.5	C	
PRRAB12	72500512	12" Riser	25	500	17.0	C	
PRRAB18	72500513	18" Riser	25	500	25.3	A	MTO



# Multi-Port Manifolds

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



# Multi-Port Manifolds

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Box Code	Stock Code
<b>Multi-Port Manifold Accessories</b>							
BA-PP-QB	72500616	Port Plug for Quadra Bubblers and QB2s	25	2000	4.9	B	
BA-PP-OB	72500619	Port Plug for Octa-Bubblers	25	2000	4.9	B	
BA-BUG	72500286	Insect plug for Bubbler Tubing	100	2000	7.1	B	
BA-CP-QB	72500614	Clamp Plate - Locks tubing to Quadra Bubbler ports	10	300	1.8	B	MTO
BA-CP-QB2	72500617	Clamp Plate-Locks tubing to QB2 ports	10	300	1.8	B	MTO
OCTREP	72500007	Octa-Bubbler repair kit	1	10	1.0	B	MTO



# Bubblers

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Box Code	Stock Code
<b>J-Bubbler PC - 1/2" FPT (Umbrella Pattern) with Cone Screen</b>							
JBPC04	72500582	1.0 GPM (60 GPH)	25	300	5.0	C	MTO
<b>J-Bubbler Adjustable Flow - 1/2" FPT (Umbrella Pattern) with Cone Screen</b>							
JBAFP	72500583	Max flow 2.9 GPM @ 43 PSI	25	300	8.0	C	
JBAF	72500584	Max flow 4.5 GPM @ 43 PSI Screw Adjust Bubbler	25	300	8.0	C	MTO
<b>Mini-Bubbler Adjustable 0-30 GPH @ 15-30 PSI - 360 Degree</b>							
PVMBB	72503126	1/4" barb	25	500	4.9	B	
PVMBT	72503127	10-32 thread	25	500	4.9	B	
PVMBR	72500603	1/2" FPT adapter	25	250	4.9	B	MTO
PVMB5	72015008	Assembled on a 5" plastic stake *	25	250	4.9	B	
<b>Spectrum 360 Vortex Sprayer</b>							
PVSV360B	72015009	1/4" barb	25	500	9.3	B	
PVSV360T	72015010	10-32 thread	25	500	9.3	B	
PVSV360R	72015012	1/2" FTP adapter	25	250	4.9	B	MTO
PVSV360S	72015011	Assembled on a 5" plastic stake *	25	250	3.3	B	
PVJS8B	72503121	Full Circle, 8-stream	25	500	4.9	B	
PVJS4B	72503123	Half Circle, 4-stream	25	500	4.9	B	

\* 1/4" barb adapter included



EMISSION DEVICES

EMISSION DEVICES

# Shrubber

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

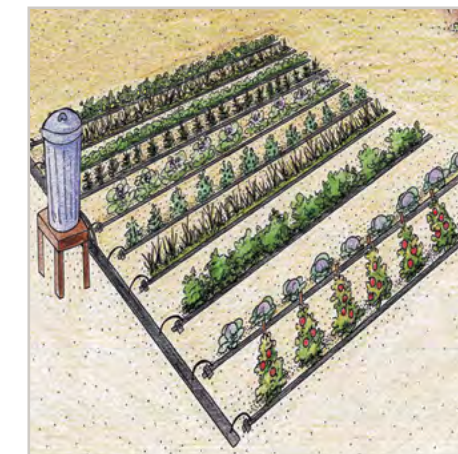
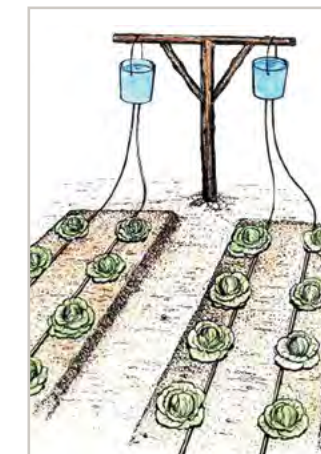


# Bucket Kits

Model #	Part #	Description	Bag Qty.	Box Qty.	Box Wt.	Stock Code
<b>Bucket Kits &amp; Accessories</b>						
218116	12501310	Bucket Kit 2-4-6 Boxed (Retail) with 15 Mil Drip Tape with 12" Spacing @ 0.5 gpm	1	1	3.2	MTO
218119	12501311	Bucket Kit 2-4-6 (Plastic Bag) with 15 Mil Drip Tape with 12" Spacing @ 0.5 gpm	1	1	2.5	MTO
218120	12501312	10 Bulk Bucket Kit with 15 Mil Drip Tape with 12" Spacing @ 0.5 gpm	1	1	28.0	MTO
128134	12501313	10 Bulk Bucket Kit with 15 mil Drip Tape with 4" Spacing @ 1.0 gpm	1	1	28.0	MTO
218125	12501314	40 Bulk Bucket Kit with 15 Mil Drip Tape with 12" Spacing @ 0.5 gpm	1	1	113.0	MTO
219190	12501315	Bag of Bucket Kit Fittings	1	1	1.5	MTO
219110	12501316	3/4" Male Adapter MPT x Slip	1	1	0.04	MTO
219120	12501317	3/4" Female Adapter FPT x Slip Replacement Fittings	1	1	0.05	MTO
219130	12501318	Flat Washer Drip Kit Replacement Washer	1	1	0.01	MTO
219140	12501319	Filter / Stopper Drip Kit Replacement Filter Plug	1	1	0.04	MTO

Note: Bulk items are not pre-cut for each kit.

<b>Super Kits &amp; Accessories</b>						
218140	12501320	Super Bucket Kit	1	1	10.0	MTO
218145	12501321	3 Bulk Super Bucket Kit	1	1	29.0	MTO
850099	11726902	15 Mil Marathon Plain Hose 1000 feet Coil Sub-main (header hose) for small gardens and super bucket kits.	1	1	25.0	MTO
<b>1/4 Acre Kits &amp; Accessories</b>						
217500	12501323	1/4 Acre Kit with 15 Mil 12" 0.5 gpm Drip Tape	1	1	48.0	MTO
182569	12501324	1-1/2" Replacement End Cap For Blue Lay-Flat Header In 1/4 Acre Kit	1	1	0.07	MTO
428906	12501325	Replacement Lay Flat Hose Punch For 1/4 Acre Kit (Used To Punch Holes In Blue Lay Flat Header For .250 x .350 Connector Tubes)	1	1		MTO
151150	12501326	1-1/2" Lay Flat Hose - 50 foot Blue Replacement Sub Main For 1/4 Acre Kit Bulk Roll Used For Sub Main	1	1	8.0	MTO
151100	12501327	1-1/2" Lay Flat Hose - 300 foot Blue Replacement Sub Main For 1/4 Acre Kit Bulk Roll Used For Sub Main	1	1	43.0	MTO



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Part #	Model #	Page	Price
11726902	850099	G-09	\$252.12
12500794	AJ-180-B	G-04	\$0.28
12500796	AJ-090-B	G-04	\$0.28
12500797	AJ-300-BL	G-04	\$0.28
12500798	AJ-180-BL	G-04	\$0.28
12500799	AJ-090-BL	G-04	\$0.28
12500800	AJ-300-R	G-04	\$0.28
12500801	AJ-180-R	G-04	\$0.28
12500802	AJ-090-R	G-04	\$0.28
12501310	218116	G-09	\$87.36
12501311	218119	G-09	\$87.36
12501312	218120	G-09	\$468.39
12501313	128134	G-09	\$468.39
12501314	218125	G-09	\$1,181.71
12501315	219190	G-09	\$37.84
12501316	219110	G-09	\$3.43
12501317	219120	G-09	\$1.38
12501318	219130	G-09	\$0.81
12501319	219140	G-09	\$5.30
12501320	218140	G-09	\$122.31
12501321	218145	G-09	\$241.00
12501323	217500	G-09	\$629.05
12501324	182569	G-09	\$17.05
12501325	428906	G-09	\$27.43
12501326	151150	G-09	\$116.50
12501327	151100	G-09	\$583.33
12503118	AJ-300-GR	G-04	\$0.28
12503119	AJ-180-GR	G-04	\$0.28
12503120	AJ-090-GR	G-04	\$0.28
12503128	AJ-300-B	G-04	\$0.28
12503205	CTHDT2-CNL	G-02	\$0.44
12503208	CTHDT3-CNL	G-02	\$0.44
12503210	CTHDT4-CNL	G-02	\$0.44
12503215	CTHDT8-CNL	G-02	\$0.43
12503220	CTHDT12-CNL	G-02	\$0.43
12503255	CTHDB2-CNL	G-02	\$0.43
12503260	CTHDB4-CNL	G-02	\$0.44
12503405	CTTPC2	G-03	\$0.43
12503410	CTTPC4	G-03	\$0.43
12503420	CTTPC8	G-03	\$0.43

Part #	Model #	Page	Price
12503505	CTBPC2	G-03	\$0.43
12503510	CTBPC4	G-03	\$0.43
32020405	CTTPC2-BULK	G-03	\$0.35
32020410	CTTPC4-BULK	G-03	\$0.35
32020420	CTTPC8-BULK	G-03	\$0.35
32020505	CTBPC2-BULK	G-03	\$0.35
32020510	CTBPC4-BULK	G-03	\$0.35
32021205	CTHDT2-CNL-BULK	G-02	\$0.35
32021208	CTHDT3-CNL-BULK	G-02	\$0.35
32021210	CTHDT4-CNL-BULK	G-02	\$0.35
32021215	CTHDT8-CNL-BULK	G-02	\$0.35
32021220	CTHDT12-CNL-BULK	G-02	\$0.35
32021255	CTHDB2-CNL-BULK	G-02	\$0.35
32021260	CTHDB4-CNL-BULK	G-02	\$0.35
71195028	PRR08	G-05	\$0.25
71195029	PRR12	G-05	\$0.38
71195030	PRR18	G-05	\$0.52
72015008	PVMBS	G-07	\$1.17
72015009	PVSV360B	G-07	\$0.87
72015010	PVSV360T	G-07	\$0.87
72015011	PVSV360S	G-07	\$1.17
72015012	PVSV360R	G-07	\$1.43
72015046	RSTAKE	G-05	\$0.83
72015071	TF-A	G-03	\$0.59
72500007	OCTREP	G-07	\$5.03
72500020	OCT8186P	G-06	\$16.80
72500050	OCT856P	G-06	\$16.80
72500051	OCT816P	G-06	\$16.80
72500286	BA-BUG	G-07	\$0.15
72500512	PRRAB12	G-05	\$0.98
72500513	PRRAB18	G-05	\$1.15
72500515	PRRAB06	G-05	\$0.82
72500516	PRRAB08	G-05	\$0.85
72500521	RA250E	G-08	\$2.21
72500523	REA1032B	G-08	\$1.51
72500560	JE02	G-03	\$0.35
72500561	JE04	G-03	\$0.35
72500562	JE08	G-03	\$0.35
72500563	JE14	G-03	\$0.35
72500566	MIL02	G-03	\$0.57

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72500567	MIL02	G-03	\$0.57
72500568	MIL02	G-03	\$0.57
72500582	JBPC04	G-07	\$2.19
72500583	JBAFP	G-07	\$1.56
72500584	JBAF	G-07	\$1.71
72500601	PVJS4R	G-08	\$1.37
72500602	PVJS8R	G-08	\$1.37
72500603	PVMBR	G-07	\$1.44
72500614	BA-CP-QB	G-07	\$1.26
72500616	BA-PP-QB	G-07	\$0.23
72500617	BA-CP-QB2	G-07	\$0.71
72500619	BA-PP-OB	G-07	\$0.30
72500621	BBOX645	G-06	\$8.80
72500622	BBOX645P	G-06	\$10.12
72500623	FCD8160	G-06	\$0.76
72500624	FCD81860	G-06	\$0.76
72500625	FCD8560	G-06	\$0.76
72500729	OCT816	G-06	\$14.79
72500730	OCT-86	G-06	\$14.79
72500731	OCT856	G-06	\$14.79
72500732	OCT896	G-06	\$14.79
72500740	PMP2	G-05	\$8.76
72500741	PMP3	G-05	\$8.40
72500744	PMS25	G-04	\$1.79
72500745	PMS9	G-04	\$1.79
72500746	JL04	G-03	\$0.40
72500748	JL08	G-03	\$0.40
72500750	JL16	G-03	\$0.40
72500753	JL02	G-03	\$0.40
72500769	QB416	G-06	\$4.88
72500770	QB4186	G-06	\$4.88
72500771	QB456	G-06	\$4.88
72500772	QB496	G-06	\$4.88
72500773	QB2-186	G-06	\$6.20
72500774	QB2-56	G-06	\$6.20
72500775	QB2-96	G-06	\$6.20
72500807	PCS12	G-05	\$0.66
72500825	CETAPC02	G-03	\$0.64
72500826	CETAPC04	G-03	\$0.64
72500827	CETAPC08	G-03	\$0.64

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72500930	SAT-2010-01	G-08	\$0.68
72500954	PVJS4S	G-08	\$1.10
72500955	PMS12	G-04	\$1.79
72500956	PMS18	G-04	\$1.79
72500961	PVJ06F	G-04	\$1.94
72500962	PVJ06H	G-04	\$1.94
72500963	PVJ06Q	G-04	\$1.94
72500964	PVJM	G-04	\$1.94
72500965	PVMS25	G-04	\$2.99
72500969	PRR06	G-05	\$0.23
72500970	FCD8960	G-06	\$0.76
72501103	MF-1/2	G-03	\$0.60
72501104	MF-3/4	G-03	\$0.60
72501105	MF-1	G-03	\$0.60
72501106	MF-2	G-03	\$0.60
72503121	PVJS8B	G-07	\$0.72
72503121	PVJS8B	G-08	\$0.72
72503122	PVJS8T	G-08	\$0.72
72503123	PVJS4B	G-07	\$0.72
72503123	PVJS4B	G-08	\$0.72
72503124	PVJS4T	G-08	\$0.72
72503125	PVJS8S	G-08	\$1.10
72503126	PVMBB	G-07	\$0.87
72503127	PVMBT	G-07	\$0.87
72503162	OCT896P	G-06	\$16.80
72503166	QB2-56P	G-06	\$7.01
72503167	QB2-16P	G-06	\$7.01
72503172	QB2-96P	G-06	\$7.01
72503174	QB2-186P	G-06	\$7.01
72550971	QB2-16	G-06	\$6.20

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G-02	CTHDT4-CNL	12503210	\$0.44
G-02	CTHDT8-CNL	12503215	\$0.43
G-02	CTHDT12-CNL	12503220	\$0.43
G-02	CTHDB2-CNL	12503255	\$0.43
G-02	CTHDB4-CNL	12503260	\$0.44
G-02	CTHDT2-CNL-BULK	32021205	\$0.35
G-02	CTHDT3-CNL-BULK	32021208	\$0.35
G-02	CTHDT4-CNL-BULK	32021210	\$0.35
G-02	CTHDT8-CNL-BULK	32021215	\$0.35
G-02	CTHDT12-CNL-BULK	32021220	\$0.35
G-02	CTHDB2-CNL-BULK	32021255	\$0.35
G-02	CTHDB4-CNL-BULK	32021260	\$0.35
G-03	CTTPC2	12503405	\$0.43
G-03	CTTPC4	12503410	\$0.43
G-03	CTTPC8	12503420	\$0.43
G-03	CTBPC2	12503505	\$0.43
G-03	CTBPC4	12503510	\$0.43
G-03	CTTPC2-BULK	32020405	\$0.35
G-03	CTTPC4-BULK	32020410	\$0.35
G-03	CTTPC8-BULK	32020420	\$0.35
G-03	CTBPC2-BULK	32020505	\$0.35
G-03	CTBPC4-BULK	32020510	\$0.35
G-03	TF-A	72015071	\$0.59
G-03	JE02	72500560	\$0.35
G-03	JE04	72500561	\$0.35
G-03	JE08	72500562	\$0.35
G-03	JE14	72500563	\$0.35
G-03	MIL02	72500566	\$0.57
G-03	MIL02	72500567	\$0.57
G-03	MIL02	72500568	\$0.57
G-03	JL04	72500746	\$0.40
G-03	JL08	72500748	\$0.40
G-03	JL16	72500750	\$0.40
G-03	JL02	72500753	\$0.40
G-03	CETAPC02	72500825	\$0.64
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G-03	CETAPC08	72500827	\$0.64
G-03	MF-1/2	72501103	\$0.60

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G-03	MF-3/4	72501104	\$0.60
G-03	MF-1	72501105	\$0.60
G-03	MF-2	72501106	\$0.60
G-04	AJ-180-B	12500794	\$0.28
G-04	AJ-090-B	12500796	\$0.28
G-04	AJ-300-BL	12500797	\$0.28
G-04	AJ-180-BL	12500798	\$0.28
G-04	AJ-090-BL	12500799	\$0.28
G-04	AJ-300-R	12500800	\$0.28
G-04	AJ-180-R	12500801	\$0.28
G-04	AJ-090-R	12500802	\$0.28
G-04	AJ-300-GR	12503118	\$0.28
G-04	AJ-180-GR	12503119	\$0.28
G-04	AJ-090-GR	12503120	\$0.28
G-04	AJ-300-B	12503128	\$0.28
G-04	PMS25	72500744	\$1.79
G-04	PMS9	72500745	\$1.79
G-04	PMS12	72500955	\$1.79
G-04	PMS18	72500956	\$1.79
G-04	PVJ06F	72500961	\$1.94
G-04	PVJ06H	72500962	\$1.94
G-04	PVJ06Q	72500963	\$1.94
G-04	PVJM	72500964	\$1.94
G-04	PVMS25	72500965	\$2.99
G-05	PRR08	71195028	\$0.25
G-05	PRR12	71195029	\$0.38
G-05	PRR18	71195030	\$0.52
G-05	RSTAKE	72015046	\$0.83
G-05	PRRAB12	72500512	\$0.98
G-05	PRRAB18	72500513	\$1.15
G-05	PRRAB06	72500515	\$0.82
G-05	PRRAB08	72500516	\$0.85
G-05	PMP2	72500740	\$8.76
G-05	PMP3	72500741	\$8.40
G-05	PCS12	72500807	\$0.66
G-05	PRR06	72500969	\$0.23
G-06	OCT8186P	72500020	\$16.80
G-06	OCT856P	72500050	\$16.80
G-06	OCT816P	72500051	\$16.80
G-06	BBOX645	72500621	\$8.80

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G-06	BBOX645P	72500622	\$10.12
G-06	FCD8160	72500623	\$0.76
G-06	FCD81860	72500624	\$0.76
G-06	FCD8560	72500625	\$0.76
G-06	OCT816	72500729	\$14.79
G-06	Oct-86	72500730	\$14.79
G-06	OCT856	72500731	\$14.79
G-06	OCT896	72500732	\$14.79
G-06	QB416	72500769	\$4.88
G-06	QB4186	72500770	\$4.88
G-06	QB456	72500771	\$4.88
G-06	QB496	72500772	\$4.88
G-06	QB2-186	72500773	\$6.20
G-06	QB2-56	72500774	\$6.20
G-06	QB2-96	72500775	\$6.20
G-06	FCD8960	72500970	\$0.76
G-06	OCT896P	72503162	\$16.80
G-06	QB2-56P	72503166	\$7.01
G-06	QB2-16P	72503167	\$7.01
G-06	QB2-96P	72503172	\$7.01
G-06	QB2-186P	72503174	\$7.01
G-06	QB2-16	72550971	\$6.20
G-07	PVMBS	72015008	\$1.17
G-07	PVSV360B	72015009	\$0.87
G-07	PVSV360T	72015010	\$0.87
G-07	PVSV360S	72015011	\$1.17
G-07	PVSV360R	72015012	\$1.43
G-07	OCTREP	72500007	\$5.03
G-07	BA-BUG	72500286	\$0.15
G-07	JBPC04	72500582	\$2.19
G-07	JBAFP	72500583	\$1.56
G-07	JBAF	72500584	\$1.71
G-07	PVMBR	72500603	\$1.44
G-07	BA-CP-QB	72500614	\$1.26
G-07	BA-PP-QB	72500616	\$0.23
G-07	BA-CP-QB2	72500617	\$0.71
G-07	BA-PP-OB	72500619	\$0.30
G-07	PVJS8B	72503121	\$0.72
G-07	PVJS4B	72503123	\$0.72
G-07	PVMBB	72503126	\$0.87

Page	Model #	Part #	Price
G-07	PVMBT	72503127	\$0.87
G-08	RA250E	72500521	\$2.21
G-08	REA1032B	72500523	\$1.51
G-08	PVJS4R	72500601	\$1.37
G-08	PVJS8R	72500602	\$1.37
G-08	SAT-2010-01	72500930	\$0.68
G-08	PVJS4S	72500954	\$1.10
G-08	PVJS8B	72503121	\$0.72
G-08	PVJS8T	72503122	\$0.72
G-08	PVJS4B	72503123	\$0.72
G-08	PVJS4T	72503124	\$0.72
G-08	PVJS8S	72503125	\$1.10
G-09	850099	11726902	\$252.12
G-09	218116	12501310	\$87.36
G-09	218119	12501311	\$87.36
G-09	218120	12501312	\$468.39
G-09	128134	12501313	\$468.39
G-09	218125	12501314	\$1,181.71
G-09	219190	12501315	\$37.84
G-09	219110	12501316	\$3.43
G-09	219120	12501317	\$1.38
G-09	219130	12501318	\$0.81
G-09	219140	12501319	\$5.30
G-09	218140	12501320	\$122.31
G-09	218145	12501321	\$241.00
G-09	217500	12501323	\$629.05
G-09	182569	12501324	\$17.05
G-09	428906	12501325	\$27.43
G-09	151150	12501326	\$116.50
G-09	151100	12501327	\$583.33



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# Misters and Foggers

## Green Mist and Foggers Ordering Guide

Model #	Mount	Super LPD	Nozzle @ 30psi	Base	Tubing					
128	2	One Fogger	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	Green Mist Jr.	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"	4	Purple (Green Mist Jr.)			6	48" with weight
					9	Plug			7	60" with weight

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.

## 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	-	
Green Mist Jr.	Purple	Black	30	5.3		

Model #	Part #	Description	Box Qty	Stock Code
<b>Bridge Fogger Assemblies</b>				
		Single Fogger with LPD	1000	MTO
		2-Way-Fogger Assembly withLPD	400	MTO
		4-Way Cross Fogger Assembly with LPD	350	MTO



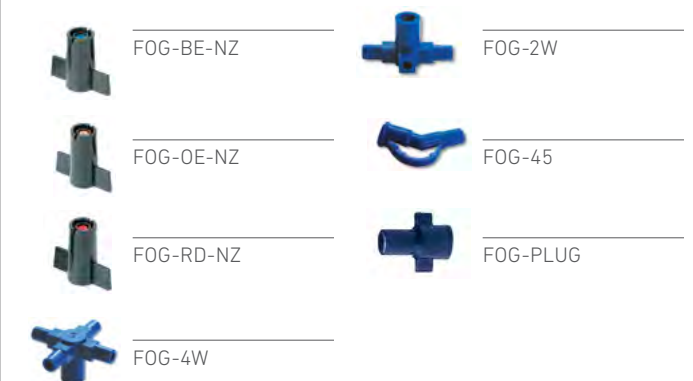
# Misters and Foggers

Model #	Part #	Description	Bag Qty	Box Qty	Box Code	Stock Code
<b>Bridgeless Mister / Foggers</b>						
GM-LPD-FM	12898200	Green Nozzle 7.96 GPH with LPD	50	400	C	MTO
BGMJ-5	12838400	Green Mist Jr. with LPD, 5.3GPH	50	400	C	MTO
<b>Mister Components</b>						
GM-NZ	12890200	GreenMist Nozzle, 7.9 GPH	50	800	B	MTO
GMJ-5	17493000	GreenMist Jr. Nozzle, 5.3 GPH	100	2800	B	
GSJ-10	17493001	Green Spin Jr., Blue, 10.4 GPH	100	2800	B	MTO
GSJ-13	17499900	Green Spin Jr., Green, 13.2 GPH	100	2800	B	MTO
<b>Fogger Components</b>						
FOG-BE-NZ	12820300	Blue Nozzle (1.8 GPH)	100	800	B	
FOG-OE-NZ	12820500	Orange Nozzle (3.6 GPH)	100	800	B	
FOG-RD-NZ	12820700	Red Nozzle (5.4 GPH)	100	800	B	MTO
FOG-BK-NZ	12820800	Black Nozzle (7.2 GPH)	100	800	B	MTO
FOG-4W	17091014	4-Way Cross for Fogger	50	500	C	MTO
FOG-2W	17091020	2-Way Tee for Fogger	50	400	B	MTO
FOG-45	17091018	45 Degree Angle for Fogger	50	400	B	MTO
FOG-PLUG	17050018	Plug for Sprinkler and Fogger Assemblies	100	800	B	

## Mister Components



## Mister Components



# Green Spin and Green Spin Jr

## Green Spin Ordering Guide

Series #	Super LPD	Nozzle @ 30 PSI		Base		Tube	
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 & Antimist (standard)	5	Orange (31.7 gph)	9	Fast-n-Fast	3	24" with weight
1280	7	LPD - Barb	8	Black (42.3 gph)		4	30" with weight
	5	LPD - Barb & Antimist	9	Gray (18.5 gph)		5	36" with weight
	2	LPD - 3/8"	1	Jr. Blue (10.4 gph)		6	48" with weight
	4	LPD - 3/8" & Antimist	4	Jr. Green (13.2 gph)		7	60" with weight
	1	LPD - Barb/Bayonet					
3	LPD - Barb/Bayonet & Antimist						

Catalog Number: 1280 9 5 9 1

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

Note: No tubing needed if a base is ordered.



# Green Spin and Green Spin Jr

## 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
Green	Green	10.6	0.038	2	-	-
				4		
				6		
				10		
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 color.



# Green Spin and Green Spin Jr

Model #	Part #	Description	Bag Qty	Box Qty	Box Code	Stock Code
<b>Green Spin Assemblies</b>						
		Green Spin		1750		Call
		Green Spin with AntiMist		1000		MTO
		Green Spin with LPD		600		MTO
		Green Spin with LPD and AntiMist				MTO
<b>Green Spin Antimist Nozzles - Press Fit</b>						
MOD-GN-AM	17050012	Green (0.035")	100			
MOD-OE-AM	17050015	Orange (0.047")	100			
MOD-YW-AM	17050016	Yellow (0.055")	100			
MOD-BE-AM	17050013	Blue (0.060")	100			
<b>Green Spin Antimist Nozzles - Bayonet</b>						
BAY-GN-AM	17050112	Green (0.035")	100			MTO
BAY-OE-AM	17050115	Orange (0.047")	100			MTO
BAY-YW-AM	17050116	Yellow (0.055")	100			MTO
BAY-BE-AM	17050113	Blue (0.060")	100			MTO



Green Spin Female Press Fit    Green Spin Bayonet    Green Spin and LPD    Green Spin Jr and Retrofit LPD    MOD-GN-AM    BAY-OE-AM

# Modular

## Modular Ordering Guide

Series #	Spinner*	Super LPD (Black)	Nozzle @ 30psi	Base/Tube	Stake					
161	2	One-Sided Black	0	None	4	Violet (9.2 gph)	0	None	0	None
	5	Inverted	6	Antimist	0	Brown (11.4 gph)	9	Butterfly - Barb (standard) with 12" Tube	9	Weight
	7	Flat	8	LPD - Female (standard)	9	Gray (18.5 gph)	5	Butterfly - Barb (standard) with 18" Tube		
	9	Big Orange	9	LPD - Female & Antimist (standard)	2	Green (27.7 gph)	1	Butterfly - Barb (standard) with 24" Tube		
	0	Mist Sprayer	7	LPD - Barb	5	Orange (31.7 gph)	2	Butterfly - Barb (standard) with 30" Tube		
			5	LPD - Barb & Antimist	6	Yellow (42.3 gph)	3	Butterfly - Barb (standard) with 36" Tube		
			2	LPD - 3/8"	3	Blue (52.8 gph)	4	Butterfly - Barb (standrad) with 48" Tube		
			4	LPD - 3/8" & Antimist	1	Ivory (62.1 gph)	6	3/8" Male - Base		
					7	Red (68.7 gph)	7	1/2" Male - Base		
					8	Black (79.3 gph)	8	Butterfly - Quick Thread		

Catalog Number: 161 5 9 3 2 9

Description: Bridge Assembly with Green Kiwi Spinner, LPD & Antimist, Blue Nozzle, 30" Tube, and Weight.

\* Spinners can be used inverted.

Model #	Part #	Description	Box Qty	Stock Code
<b>Bridge Assemblies</b>				
		Bridge Assemblies without Antimist	2500	Call
		Bridge Assemblies with Antimist	1750	MTO
		Bridge Assemblies with LPD and without Antimist	750	MTO
		Bridge Assemblies with LPD and Antimist	650	MTO

Tube assemblies are available upon request with substitution of the Butterfly Barb with the Barbed LPD.

Note: Components available on pages F-09 of Micros & Sprinklers.



Bridge Assembly without Antimist    Bridge Assembly with Antimist    Bridge Assemblies with LPD and without Antimist

## Weighted Emitter Accessories and LPD

Model #	Part #	Description	Box Qty	Box Wt	Box Code	Stock Code
<b>Butterfly - Adapters</b>						
MOD-BF-38T47B	17097030	Butterfly 3/8" x 4/7	100			
MOD-BF-47B	17090710	Butterfly barb 4/7, black	100			
MOD-BF-38T	17097016	Butterfly 3/8"	100			
MOD-BF-QT	17097017	Butterfly quick thread	100			
MOD-38-B	17097002	3/8" male threaded base	100			
MOD-12-B	17097001	1/2" male threaded base	100			
<b>Bayonets</b>						
HAD-12-BY	17484921	1/2" bayonet base	100			
HAD-38-BY	17484931	3/8" bayonet base for rigid pipes	100			MTO
HAD-FM-BY	17497051	Bayonet female base	100			
HAD-MA-BY	17497041	Bayonet male connector	100			MTO
HAD-PG-BY	17497031	Bayonet plug	100			MTO
<b>Super LPD - Leak Prevention Devices</b>						
LPD-LP-FM-MA	11990308	Low-Pressure, female	50	600	C	
LPD-LP-BB-MA	11990328	Low-Pressure, 4/7	50	600	C	MTO
LPD-LP-38-MA	11990348	Low-Pressure, 3/8" use with Dramm Grommet 12291066	50	600	C	
LPD-LP-BB-BY	11990228	Low-Pressure, 4/7 x bayonet	50	600	C	MTO
LPD-LP-BY-BY	11990258	Low-Pressure, bayonet x bayonet	50	600	C	MTO
LPD-HP-FM-MA	11990303	High-Pressure, female	50	600	C	
LPD-HP-BB-MA	11990323	High-Pressure, 4/7	50	600	C	MTO
LPD-HP-38-MA	11990343	High-Pressure, 3/8" use with Dramm Grommet 12291066 (upstream connection)	50	600	C	MTO

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



### Super LPD - Leak Prevention Devices



## Weighted Emitter Accessories and LPD

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Box Code	Stock Code
<b>Retrofit Super LPD - Leak Prevention Devices</b>							
RLPD-LP-MA-FM	11990488	Low-Pressure, retrofit male x retrofit female		50	600	C	MTO
RLPD-LP-BB-FM	11990428	Low-Pressure, 4/7 x retrofit female		50	600	C	MTO
RLPD-LP-38-FM	11990448	Low-Pressure, 3/8" x retrofit female use with Dramm Grommet 12291066		50	600	C	MTO
RLPD-LP-MA-MA	11990388	Low-Pressure, retrofit male x taper male		50	600	C	MTO
RLPD-LP-MA-BY	11990288	Low-Pressure, retrofit male x bayonet		50	600	C	MTO
RLPD-HP-MA-FM	11990483	High-Pressure, retrofit male x retrofit female		50	600	C	MTO
RLPD-HP-BB-FM	11990423	High-Pressure, 4/7 x retrofit female		50	600	C	MTO
RLPD-HP-38-FM	11990443	High-Pressure, 3/8" x retrofit female use with Dramm Grommet 12291066		50	600	C	MTO
<b>LPD Accessories</b>							
LPD-FILTER	17090300	Filter for Super LPD	100	700		B	MTO
LPD-DPH	11992403	Diaphragm for Super LPD	100	1000		B	MTO

Note: Low Pressure = Black, High Pressure = Blue

### Super LPD - Leak Prevention Devices



### LPD Accessories



Accessories	Bag Qty	Box Qty	Box Wt	Box Code	Stock Code
FNF-CON	100	700		B	MTO
FNF-PLUG	100	2800		B	MTO
WEIGHT	50	500		F	
32-DRAMM GR					

### Accessories



## Click Tif

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Box Code	Stock Code
<b>Click Tif Button Emitter HD - Pressure Compensating - Check Non-Leak</b>							
CTHDT2-CNL	12503205	0.5 GPH Brown, taper	100	1000	7	C	
CTHDT3-CNL	12503208	0.8 GPH Blue, taper	100	1000	7	C	MTO
CTHDT4-CNL	12503210	1.0 GPH Black, taper	100	1000	7	C	
CTHDT8-CNL	12503215	2.0 GPH Green, taper	100	1000	7	C	
CTHDT12-CNL	12503220	3.0 GPH Red, taper	100	1000	7	C	MTO
CTHDT2-CNL-BULK	32021205	0.5 GPH Brown, taper, BULK		4000	27	Z	
CTHDT3-CNL-BULK	32021208	0.8 GPH Blue, taper, BULK		4000	27	Z	
CTHDT4-CNL-BULK	32021210	1.0 GPH Black, taper, BULK		4000	27	Z	
CTHDT8-CNL-BULK	32021215	2.0 GPH Green, taper, BULK		4000	27	Z	
CTHDT12-CNL-BULK	32021220	3.0 GPH Red, taper, BULK		4000	27	Z	
<b>Click Tif Button Emitter HD - Pressure Compensating</b>							
CTTPC2	12503405	0.5 GPH Brown, taper	100	1000	7.0	C	MTO
CTTPC4	12503410	1.0 GPH Black, taper	100	1000	7.0	C	
CTTPC8	12503420	2.0 GPH Green, taper	100	1000	7.0	C	
CTTPC2-BULK	32020405	0.5 GPH Brown, taper, BULK		4000	27.0	C	
CTTPC4-BULK	32020410	1.0 GPH Black, taper, BULK		4000	27.0	Z	
CTTPC8-BULK	32020420	2.0 GPH Green, taper, BULK		4000	27.0	Z	

Note: Barb emitters use 187x125 tubing. Bulk item sold in box qty only.  
Use 1/8" punch tool.



CTHDT4-CNL



CTHDT8-CNL



CTHDT12-CNL

## Multi-Outlet Dripper Assemblies

Model #	Part #	Description	Bag Qty	Box Qty	Box Code	Stock Code
<b>Multi-Outlet Dripper Assembly Components</b>						
MAN4	12602940	Flat 4-Way Manifold	100	1600	B	
MAN4C	12602948	Stackable 4-Way Manifold (open end)	100	1600	B	
MAN2	12602920	2-Way Manifold	200	3000	B	
MAN2C	12602928	Stackable 2-Way Manifold (open end)	200	3000	B	MTO
AD5	12602800	Long Straight Arrow Dripper (5" Length)	50	500	C	
AAD	12602850	5" Angle Arrow Dripper	50	500	C	
ABS	12602840	Angle Barbed Stake	50	500	C	MTO

Note: Barb emitters use 187x125 tubing; taper emitters use multi-outlet components. Bulk items sold in box quantity only.

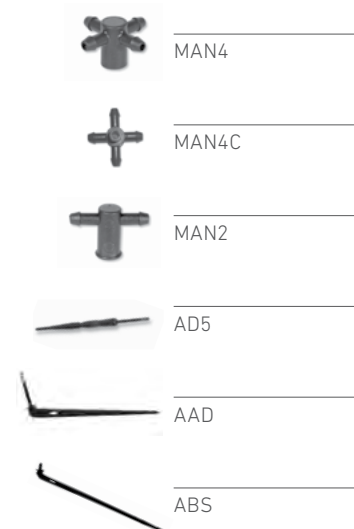
### Weighted Assembly and Dripper Stake Assembly Components

MAN1	12602908	Adapter for 0.125 x 0.197 Flexible PVC (PVC 5/3 or PE 5/3)	100	2800	B	MTO
WTMTL	12292026	Metal Weight (Zinc Aluminum Alloy) (fits 0.125 x 0.197)		2000	B	MTO

### 2-Way Manifold Assemblies with 2 Arrow Drippers - Uses .197 x .125 PVC Tubing

AAD-218	12720220	2 at 18"		200		MTO
AAD-224	12720221	2 at 24"		200		MTO
AAD-230	12720222	2 at 30"		200		MTO

### Multi-Outlet Dripper Assembly Components



### Weighted Assembly and Dripper Stake Assembly Components



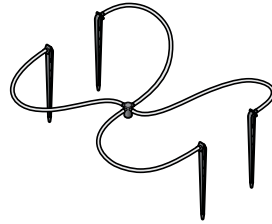
### 2-Way Manifold Assemblies with 2 Arrow Drippers- Uses .197 x .125 PVC Tubing



## Multi-Outlet Dripper Assemblies

Model #	Part #	Description	Box Qty	Stock Code
<b>4-Way Manifold Assemblies with 4 Arrow Drippers</b>				
AAD-418	12730320	18"	200	MTO
AAD-424	12730321	24"	200	MTO
AAD-430	12730322	30"	200	MTO
AAD-41830	12730325	2 @ 18" & 2 @ 30"	200	MTO
AAD-41836	12730326	2 @ 18" & 2 @ 36"	200	MTO
AAD-42436	12730327	2 @ 24" & 2 @ 36"	200	MTO
AAD-42448	12730328	2 @ 24" & 2 @ 48"	200	MTO

Assemblies come standard with 5" angle arrow drippers. To substitute the 5" straight arrow dripper, replace the AAD in the catalog number with AD5, with AADS for 4" short angle arrow dripper. The above assemblies come standard with a flat 4-way manifold. To substitute the stackable 4-way manifold add a C after the 4 (4C) or to substitute the upright 4-way manifold add a T (4T) after the 4.



Model #	Part #	Description	Box Qty	Stock Code
<b>Hanging Baskets Weighted Assemblies</b> Assembled standard with 1/2 GPH PC emitters (non-leak feature) and metal weight				
MTL-18-2	12705170	18"	200	MTO
MTL-24-2	12705171	24"	200	MTO
MTL-36-2	12705173	36"	200	MTO
MTL-48-2	12705174	48"	200	MTO



Model #	Part #	Description	Box Qty	Stock Code
<b>PC Angled Barbed Stake Assemblies</b> Assembled with 1/2 GPH PC emitter (non-leak feature) and angled barbed stake				
ABS-24-2	12715141	24"	200	MTO
ABS-30-2	12715142	30"	200	MTO
ABS-36-2	12715143	36"	200	MTO
ABS-48-2	12715144	48"	200	MTO
<b>Non-PC Arrow Dripper Assemblies</b>				
AAD-18	12710020	18"	200	MTO
AAD-24	12710021	24"	200	MTO
AAD-30	12710022	30"	200	MTO
AAD-36	12710023	36"	200	MTO
AAD-48	12710124	48"	200	MTO

Note: Non-PC Arrow Dripper Assemblies come standard with 5" angle arrow drippers. To substitute the 5" straight arrow dripper, replace the AAD in the catalog number with AD5.



## Weighted Emitter Assemblies

Model #	Part #	Description	Bag Qty	Box Qty	Stock Code
<b>Stabilized Hanging Sprinkler Tube Assembly with Barb</b>					
TA-PVC-BF-BB-WT-12	11997140	12" Tube Assembly with Butterfly	100		
TA-PVC-BF-BB-WT-18	11997142	18" Tube Assembly with Butterfly	100		MTO
TA-PVC-BF-BB-WT-24	11997143	24" Tube Assembly with Butterfly	100		
TA-PVC-BF-BB-WT-30	11997146	30" Tube Assembly with Butterfly	100		MTO
TA-PVC-BF-BB-WT-36	11997149	36" Tube Assembly with Butterfly	100		
TA-PVC-BF-BB-WT-48	11997152	48" Tube Assembly with Butterfly	100		
TA-PVC-BF-BB-WT-60	11997155	60" Tube Assembly with Butterfly	100		MTO
<b>Butterfly Tube Assemblies with Barb</b>					
TA-PVC-BF-BB-24	11997030	24" Tube Assembly with Butterfly	100	1000	
TA-PVC-BF-BB-30	11997032	30" Tube Assembly with Butterfly	100	1000	
TA-PVC-BF-BB-36	11997036	36" Tube Assembly with Butterfly	100	1000	
TA-PVC-BF-BB-48	11997040	48" Tube Assembly with Butterfly	100		
TA-PVC-BF-BB-60	11997042	60" Tube Assembly with Butterfly	100		



# Feed Tubes



GREENHOUSE & NURSERY

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



# Spray Sticks

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

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

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

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



GREENHOUSE AND NURSERY

# Trickle Stick

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Box Code	Stock Code
<b>Trickle Stick</b>							
TRS	12500423	Black — Use with 0.128" OD x 0.036", 0.050", 0.060" or 0.076" ID tubing. Shut-off port on the side	100	5000	48.0	N	
<b>Trickle Stick Assemblies: 0.036 Inside Diameter Tube</b>							
TRS36-12	12790012	with 12" 128x036-PE Tubing	50*	2000	31.0	N	MTO
TRS36-18	12790018	with 18" 128x036-PE Tubing	50*	2000	37.0	N	MTO
TRS36-24	12790024	with 24" 128x036-PE Tubing	50*	2000	39.0	N	MTO
TRS36-36	12790036	with 36" 128x036-PE Tubing	50*	1500	39.0	N	MTO
TRS36-42	12790042	with 42" 128x036-PE Tubing	50*	1500	45.0	N	MTO
TRS36-48	12790054	with 48" 128x036-PE Tubing	50*	1500	45.0	N	MTO
<b>Trickle Stick Assemblies: 0.050 Inside Diameter Tube</b>							
TRS50-12	12790112	with 12" 128x050-PE Tubing	50*	2000	31.0	N	MTO
TRS50-18	12790118	with 18" 128x050-PE Tubing	50*	2000	37.0	N	MTO
TRS50-24	12790124	with 24" 128x050-PE Tubing	50*	2000	39.0	N	MTO
TRS50-30	12790130	with 30" 128x050-PE Tubing	50*	2000	45.0	N	MTO
TRS50-36	12790136	with 36" 128x050-PE Tubing	50*	1500	39.0	N	MTO
TRS50-42	12790142	with 42" 128x050-PE Tubing	50*	1500	39.0	N	MTO
TRS50-48	12790148	with 48" 128x050-PE Tubing	50*	1500	45.0	N	MTO
<b>Trickle Stick Assemblies: 0.060 Inside Diameter Tube</b>							
TRS60-24	12790224	with 24" 128x060-PE Tubing	50*	2000	39.0	N	MTO
TRS60-30	12790230	with 30" 128x060-PE Tubing	50*	2000	45.0	N	MTO
TRS60-36	12790236	with 36" 128x060-PE Tubing	50*	1500	39.0	N	MTO
<b>Trickle Stick Assemblies: 0.076 Inside Diameter Tube</b>							
TRS76-12	12790312	with 12" 128x076-PE Tubing	50*	2000	31.0	N	MTO
TRS76-18	12790318	with 18" 128x076-PE Tubing	50*	2000	37.0	N	MTO
TRS76-24	12790324	with 24" 128x076-PE Tubing	50*	2000	39.0	N	MTO
TRS76-30	12790336	with 36" 128x076-PE Tubing	50	1500	39.0	N	MTO
TRS76-36	12790330	with 30" 128x076-PE Tubing	50	2000	45.0	N	MTO

Note: Other cut lengths are available. Micro Tubing is also available in White PE. Please contact Jain Customer Service for pricing availability. Minimum quantity of 100; must be ordered in increments of 50.

\* Bundle



TRS

TRS36-12

# Chapin Twist Weights

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

Note: Other cut lengths are available. Micro Tubing is also available in White PE. Please contact Jain Customer Service for availability. Minimum quantity of 100; must be ordered in increments of 50.

Use Punch 12290205 for Tube Weight Assemblies.

\* Bundle



# Chapin PC Twist Weights

Model #	Part #	Description	Bundle Qty	Box Qty	Box Wt	Box Code	Stock Code
<b>Chapin On/Off Twist Weight Assemblies: 0.5 GPH PC Emitters with On/Off Tube Weight</b>							
05PC-EW076-12	12775312	with 12" 128x076-PE Tubing	50	500	23.0	F	MTO
05PC-EW076-18	12775318	with 18" 128x076-PE Tubing	50	500	23.5	F	MTO
05PC-EW076-24	12775324	with 24" 128x076-PE Tubing	50	500	24.5	F	MTO
05PC-EW076-30	12775330	with 30" 128x076-PE Tubing	50	500	26.0	F	MTO
05PC-EW076-36	12775336	with 36" 128x076-PE Tubing	50	500	37.1	F	MTO
05PC-EW076-48	12775348	with 48" 128x076-PE Tubing	50	400	28.5	F	MTO
05PC-EW076-60	12775360	with 60" 128x076-PE Tubing	50	400	29.0	F	MTO
05PC-EW076-72	12775372	with 72" 128x076-PE Tubing	50	300	29.5	F	MTO
<b>Chapin On/Off Twist Weight Assemblies: 1 GPH PC Emitters with On/Off Tube Weight</b>							
10PC-EW076-12	12776312	with 12" 128x076-PE Tubing	50	500	23.0	F	MTO
10PC-EW076-18	12776318	with 18" 128x076-PE Tubing	50	500	23.5	F	MTO
10PC-EW076-24	12776324	with 24" 128x076-PE Tubing	50	500	24.5	F	MTO
10PC-EW076-30	12776330	with 30" 128x076-PE Tubing	50	500	26.0	F	MTO
10PC-EW076-36	12776336	with 36" 128x076-PE Tubing	50	500	37.1	F	MTO
10PC-EW076-48	12776348	with 48" 128x076-PE Tubing	50	400	28.5	F	MTO
10PC-EW076-60	12776360	with 60" 128x076-PE Tubing	50	400	29.0	F	MTO
10PC-EW076-72	12776372	with 72" 128x076-PE Tubing	50	300	29.5	F	MTO
<b>Chapin On/Off Twist Weight Assemblies: 2 GPH PC Emitters with On/Off Tube Weight</b>							
20PC-EW076-12	12777312	with 12" 128x076-PE Tubing	50	500	23.0	F	MTO
20PC-EW076-18	12777318	with 18" 128x076-PE Tubing	50	500	23.5	F	MTO
20PC-EW076-24	12777324	with 24" 128x076-PE Tubing	50	500	24.5	F	MTO
20PC-EW076-30	12777330	with 30" 128x076-PE Tubing	50	500	26.0	F	MTO
20PC-EW076-36	12777336	with 36" 128x076-PE Tubing	50	500	37.1	F	MTO
20PC-EW076-48	12777348	with 48" 128x076-PE Tubing	50	400	28.5	F	MTO
20PC-EW076-60	12777360	with 60" 128x076-PE Tubing	50	400	29.0	F	MTO
20PC-EW076-72	12777372	with 72" 128x076-PE Tubing	50	300	29.5	F	MTO

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. Please contact Jain Customer Service for availability.

Chapin On/Off Twist Weight Assemblies: 1 GPH PC Emitters with On/Off Tube Weight



10PC-EW076-12

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11990100	FNF-CON	H-09	\$1.15
11990228	LPD-LP-BB-BY	H-08	\$2.99
11990258	LPD-LP-BY-BY	H-08	\$2.99
11990288	RLPD-LP-MA-BY	H-09	\$2.99
11990303	LPD-HP-FM-MA	H-08	\$2.99
11990308	LPD-LP-FM-MA	H-08	\$2.99
11990323	LPD-HP-BB-MA	H-08	\$2.99
11990328	LPD-LP-BB-MA	H-08	\$2.99
11990343	LPD-HP-38-MA	H-08	\$2.99
11990348	LPD-LP-38-MA	H-08	\$2.99
11990388	RLPD-LP-MA-MA	H-09	\$2.99
11990423	RLPD-HP-BB-FM	H-09	\$2.99
11990428	RLPD-LP-BB-FM	H-09	\$2.99
11990443	RLPD-HP-38-FM	H-09	\$2.99
11990448	RLPD-LP-38-FM	H-09	\$2.99
11990483	RLPD-HP-MA-FM	H-09	\$2.99
11990488	RLPD-LP-MA-FM	H-09	\$2.99
11992403	LPD-DPH	H-09	\$1.69
11997006	TA-PVC-BB-24	H-14	\$0.76
11997008	TA-PVC-BB-30	H-14	\$0.86
11997010	TA-PVC-BB-72	H-14	\$1.55
11997012	TA-PVC-BB-36	H-14	\$0.96
11997016	TA-PVC-BB-48	H-14	\$1.16
11997018	TA-PVC-BB-60	H-14	\$1.35
11997030	TA-PVC-BF-BB-24	H-13	\$1.79
11997032	TA-PVC-BF-BB-30	H-13	\$1.90
11997036	TA-PVC-BF-BB-36	H-13	\$1.99
11997040	TA-PVC-BF-BB-48	H-13	\$2.19
11997042	TA-PVC-BF-BB-60	H-13	\$2.39
11997140	TA-PVC-BF-BB-WT-12	H-13	\$2.57
11997142	TA-PVC-BF-BB-WT-18	H-13	\$2.68
11997143	TA-PVC-BF-BB-WT-24	H-13	\$2.72
11997146	TA-PVC-BF-BB-WT-30	H-13	\$2.85
11997149	TA-PVC-BF-BB-WT-36	H-13	\$2.95
11997152	TA-PVC-BF-BB-WT-48	H-13	\$3.15
11997155	TA-PVC-BF-BB-WT-60	H-13	\$3.35
11997160	TA-PE-BB-24	H-14	\$0.73
11997162	TA-PE-BB-30	H-14	\$0.83
11997163	TA-PE-BB-36	H-14	\$0.93
11997164	TA-PE-BB-18	H-14	\$0.64
11997166	TA-PE-BB-48	H-14	\$1.13

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12291066	32-DRAMM GR	H-09	\$0.49
12292026	WTMTL	H-11	\$2.24
12500421	STP	H-15	\$0.61
12500422	STN	H-15	\$0.64
12500423	TRS	H-16	\$0.61
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12501251	ASGRN-6	H-15	\$0.45
12501252	ASAVCDO-6	H-15	\$0.45
12501253	ASTERCTA-6	H-15	\$0.45
12501254	ASBRN-6	H-15	\$0.45
12501255	ASGRY-6	H-15	\$0.45
12501256	ASBLU-6	H-15	\$0.45
12503205	CTHDT2-CNL	H-10	\$0.44
12503208	CTHDT3-CNL	H-10	\$0.44
12503210	CTHDT4-CNL	H-10	\$0.44
12503215	CTHDT8-CNL	H-10	\$0.43
12503220	CTHDT12-CNL	H-10	\$0.43
12503405	CTTPC2	H-10	\$0.43
12503410	CTTPC4	H-10	\$0.43
12503420	CTTPC8	H-10	\$0.43
12602800	AD5	H-11	\$0.30
12602840	ABS	H-11	\$0.17
12602850	AAD	H-11	\$0.30
12602908	MAN1	H-11	\$0.12
12602920	MAN2	H-11	\$0.29
12602928	MAN2C	H-11	\$0.33
12602940	MAN4	H-11	\$0.25
12602948	MAN4C	H-11	\$0.29
12705170	MTL-18-2	H-12	\$3.35
12705171	MTL-24-2	H-12	\$3.43
12705173	MTL-36-2	H-12	\$3.54
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12710020	AAD-18	H-12	\$1.28
12710021	AAD-24	H-12	\$1.31
12710022	AAD-30	H-12	\$1.04
12710023	AAD-36	H-12	\$1.41
12710124	AAD-48	H-12	\$1.22
12715141	ABS-24-2	H-12	\$1.78
12715142	ABS-30-2	H-12	\$1.52
12715143	ABS-36-2	H-12	\$1.54

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12720220	AAD-218	H-11	\$3.70
12720221	AAD-224	H-11	\$3.78
12720222	AAD-230	H-11	\$3.89
12730320	AAD-418	H-12	\$8.29
12730321	AAD-424	H-12	\$8.29
12730322	AAD-430	H-12	\$9.83
12730325	AAD-41830	H-12	\$8.94
12730326	AAD-41836	H-12	\$9.22
12730327	AAD-42436	H-12	\$9.22
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12771012	EW036-12	H-17	\$1.41
12771018	EW036-18	H-17	\$1.44
12771024	EW036-24	H-17	\$1.46
12771030	EW036-30	H-17	\$1.51
12771036	EW036-36	H-17	\$1.56
12771042	EW036-42	H-17	\$1.63
12771048	EW036-48	H-17	\$1.70
12771060	EW036-60	H-17	\$1.83
12771072	EW036-72	H-17	\$2.05
12771112	EW050-12	H-17	\$1.41
12771118	EW050-18	H-17	\$1.44
12771124	EW050-24	H-17	\$1.46
12771130	EW050-30	H-17	\$1.51
12771136	EW050-36	H-17	\$1.56
12771142	EW050-42	H-17	\$1.63
12771148	EW050-48	H-17	\$1.70
12771160	EW050-60	H-17	\$1.83
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12771230	EW060-30	H-17	\$1.54
12771236	EW060-36	H-17	\$1.57
12771242	EW060-42	H-17	\$1.65
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12771260	EW060-60	H-17	\$1.84
12771272	EW060-72	H-17	\$2.06
12771312	EW076-12	H-17	\$1.44
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12771348	EW076-48	H-17	\$1.71
12771360	EW076-60	H-17	\$1.84
12771372	EW076-72	H-17	\$2.06
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12775318	05PC-EW076-18	H-18	\$2.15
12775324	05PC-EW076-24	H-18	\$2.31
12775330	05PC-EW076-30	H-18	\$2.31
12775336	05PC-EW076-36	H-18	\$2.50
12775348	05PC-EW076-48	H-18	\$2.68
12775360	05PC-EW076-60	H-18	\$3.03
12775372	05PC-EW076-72	H-18	\$3.39
12776312	10PC-EW076-12	H-18	\$2.15
12776318	10PC-EW076-18	H-18	\$2.15
12776324	10PC-EW076-24	H-18	\$2.31
12776330	10PC-EW076-30	H-18	\$2.31
12776336	10PC-EW076-36	H-18	\$2.50
12776348	10PC-EW076-48	H-18	\$2.68
12776360	10PC-EW076-60	H-18	\$3.03
12776372	10PC-EW076-72	H-18	\$3.39
12777312	20PC-EW076-12	H-18	\$2.15
12777318	20PC-EW076-18	H-18	\$2.15
12777324	20PC-EW076-24	H-18	\$2.31
12777330	20PC-EW076-30	H-18	\$2.31
12777336	20PC-EW076-36	H-18	\$2.50
12777348	20PC-EW076-48	H-18	\$2.68
12777360	20PC-EW076-60	H-18	\$3.03
12777372	20PC-EW076-72	H-18	\$3.39
12781312	ST-P-12	H-15	\$0.62
12781318	ST-P-18	H-15	\$0.76
12781324	ST-P-24	H-15	\$0.78
12781330	ST-P-30	H-15	\$0.82
12781336	ST-P-36	H-15	\$0.88
12781342	ST-P-42	H-15	\$0.94
12783418	ST-N-18	H-15	\$0.76
12783424	ST-N-24	H-15	\$0.78
12783430	ST-N-30	H-15	\$0.82
12783436	ST-N-36	H-15	\$0.88
12783448	ST-N-48	H-15	\$0.97



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12790036	TRS36-36	H-16	\$1.10
12790042	TRS36-42	H-16	\$1.15
12790054	TRS36-48	H-16	\$1.21
12790112	TRS50-12	H-16	\$0.98
12790118	TRS50-18	H-16	\$1.01
12790124	TRS50-24	H-16	\$1.04
12790130	TRS50-30	H-16	\$1.06
12790136	TRS50-36	H-16	\$1.10
12790142	TRS50-42	H-16	\$1.15
12790148	TRS50-48	H-16	\$1.21
12790224	TRS60-24	H-16	\$1.04
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12790236	TRS60-36	H-16	\$1.10
12790312	TRS76-12	H-16	\$0.83
12790318	TRS76-18	H-16	\$1.01
12790324	TRS76-24	H-16	\$0.88
12790330	TRS76-36	H-16	\$1.06
12790336	TRS76-30	H-16	\$1.10
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12820500	FOG-OE-NZ	H-03	\$2.18
12820700	FOG-RD-NZ	H-03	\$2.18
12820800	FOG-BK-NZ	H-03	\$2.18
12838400	BGMJ-5	H-03	\$4.36
12890200	GM-NZ	H-03	\$2.57
12898200	GM-LPD-FM	H-03	\$4.97
17050012	MOD-GN-AM	H-06	\$0.47
17050013	MOD-BE-AM	H-06	\$0.47
17050015	MOD-OE-AM	H-06	\$0.47
17050016	MOD-YW-AM	H-06	\$0.47
17050018	FOG-PLUG	H-03	\$0.38
17050112	BAY-GN-AM	H-06	\$0.47
17050113	BAY-BE-AM	H-06	\$0.47
17050115	BAY-OE-AM	H-06	\$0.47
17050116	BAY-YW-AM	H-06	\$0.47
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17090710	MOD-BF-47B	H-08	\$0.67
17091014	FOG-4W	H-03	\$2.50

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17091020	FOG-2W	H-03	\$2.39
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17097001	MOD-12-B	H-08	\$1.26
17097002	MOD-38-B	H-08	\$1.26
17097016	MOD-BF-38T	H-08	\$0.67
17097017	MOD-BF-QT	H-08	\$0.67
17097030	MOD-BF-38T47B	H-08	\$0.67
17097051	WEIGHT	H-09	\$0.83
17484921	HAD-12-BY	H-08	\$1.35
17484931	HAD-38-BY	H-08	\$1.35
17493000	GMJ-5	H-03	\$1.44
17493001	GSJ-10	H-03	\$1.44
17497031	HAD-PG-BY	H-08	\$0.52
17497041	HAD-MA-BY	H-08	\$0.52
17497051	HAD-FM-BY	H-08	\$0.52
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32020405	CTTPC2-BULK	H-10	\$0.35
32020410	CTTPC4-BULK	H-10	\$0.35
32020420	CTTPC8-BULK	H-10	\$0.35
32021205	CTHDT2-CNL-BULK	H-10	\$0.35
32021208	CTHDT3-CNL-BULK	H-10	\$0.35
32021210	CTHDT4-CNL-BULK	H-10	\$0.35
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32021220	CTHDT12-CNL-BULK	H-10	\$0.35

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H-03	FOG-BK-NZ	12820800	\$2.18
H-03	BGMJ-5	12838400	\$4.36
H-03	GM-NZ	12890200	\$2.57
H-03	GM-LPD-FM	12898200	\$4.97
H-03	FOG-PLUG	17050018	\$0.38
H-03	FOG-4W	17091014	\$2.50
H-03	FOG-45	17091018	\$0.83
H-03	FOG-2W	17091020	\$2.39
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H-03	GSJ-10	17493001	\$1.44
H-03	GSJ-13	17499900	\$1.44
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H-06	MOD-BE-AM	17050013	\$0.47
H-06	MOD-OE-AM	17050015	\$0.47
H-06	MOD-YW-AM	17050016	\$0.47
H-06	BAY-GN-AM	17050112	\$0.47
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H-06	BAY-OE-AM	17050115	\$0.47
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H-08	LPD-LP-BB-BY	11990228	\$2.99
H-08	LPD-LP-BY-BY	11990258	\$2.99
H-08	LPD-HP-FM-MA	11990303	\$2.99
H-08	LPD-LP-FM-MA	11990308	\$2.99
H-08	LPD-HP-BB-MA	11990323	\$2.99
H-08	LPD-LP-BB-MA	11990328	\$2.99
H-08	LPD-HP-38-MA	11990343	\$2.99
H-08	LPD-LP-38-MA	11990348	\$2.99
H-08	MOD-BF-47B	17090710	\$0.67
H-08	MOD-12-B	17097001	\$1.26
H-08	MOD-38-B	17097002	\$1.26
H-08	MOD-BF-38T	17097016	\$0.67
H-08	MOD-BF-QT	17097017	\$0.67
H-08	MOD-BF-38T47B	17097030	\$0.67
H-08	HAD-12-BY	17484921	\$1.35
H-08	HAD-38-BY	17484931	\$1.35
H-08	HAD-PG-BY	17497031	\$0.52
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H-09	RLPD-LP-MA-MA	11990388	\$2.99
H-09	RLPD-HP-BB-FM	11990423	\$2.99
H-09	RLPD-LP-BB-FM	11990428	\$2.99
H-09	RLPD-HP-38-FM	11990443	\$2.99
H-09	RLPD-LP-38-FM	11990448	\$2.99
H-09	RLPD-HP-MA-FM	11990483	\$2.99
H-09	RLPD-LP-MA-FM	11990488	\$2.99
H-09	LPD-DPH	11992403	\$1.69
H-09	32-DRAMM GR	12291066	\$0.49
H-09	LPD-FILTER	17090300	\$0.33
H-09	FNF-PLUG	17091239	\$0.31
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H-10	CTHDT12-CNL	12503220	\$0.43
H-10	CTTPC2	12503405	\$0.43
H-10	CTTPC4	12503410	\$0.43
H-10	CTTPC8	12503420	\$0.43
H-10	CTTPC2-BULK	32020405	\$0.35
H-10	CTTPC4-BULK	32020410	\$0.35
H-10	CTTPC8-BULK	32020420	\$0.35
H-10	CTHDT2-CNL-BULK	32021205	\$0.35
H-10	CTHDT3-CNL-BULK	32021208	\$0.35
H-10	CTHDT4-CNL-BULK	32021210	\$0.35
H-10	CTHDT8-CNL-BULK	32021215	\$0.35
H-10	CTHDT12-CNL-BULK	32021220	\$0.35
H-11	WTMTL	12292026	\$2.24
H-11	AD5	12602800	\$0.30
H-11	ABS	12602840	\$0.17



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H-11	AAD	12602850	\$0.30
H-11	MAN1	12602908	\$0.12
H-11	MAN2	12602920	\$0.29
H-11	MAN2C	12602928	\$0.33
H-11	MAN4	12602940	\$0.25
H-11	MAN4C	12602948	\$0.29
H-11	AAD-218	12720220	\$3.70
H-11	AAD-224	12720221	\$3.78
H-11	AAD-230	12720222	\$3.89
H-12	MTL-18-2	12705170	\$3.35
H-12	MTL-24-2	12705171	\$3.43
H-12	MTL-36-2	12705173	\$3.54
H-12	MTL-48-2	12705174	\$3.74
H-12	AAD-18	12710020	\$1.28
H-12	AAD-24	12710021	\$1.31
H-12	AAD-30	12710022	\$1.04
H-12	AAD-36	12710023	\$1.41
H-12	AAD-48	12710124	\$1.22
H-12	ABS-24-2	12715141	\$1.78
H-12	ABS-30-2	12715142	\$1.52
H-12	ABS-36-2	12715143	\$1.54
H-12	ABS-48-2	12715144	\$1.62
H-12	AAD-418	12730320	\$8.29
H-12	AAD-424	12730321	\$8.29
H-12	AAD-430	12730322	\$9.83
H-12	AAD-41830	12730325	\$8.94
H-12	AAD-41836	12730326	\$9.22
H-12	AAD-42436	12730327	\$9.22
H-12	AAD-42448	12730328	\$9.49
H-13	TA-PVC-BF-BB-24	11997030	\$1.79
H-13	TA-PVC-BF-BB-30	11997032	\$1.90
H-13	TA-PVC-BF-BB-36	11997036	\$1.99
H-13	TA-PVC-BF-BB-48	11997040	\$2.19
H-13	TA-PVC-BF-BB-60	11997042	\$2.39
H-13	TA-PVC-BF-BB-WT-12	11997140	\$2.57
H-13	TA-PVC-BF-BB-WT-18	11997142	\$2.68
H-13	TA-PVC-BF-BB-WT-24	11997143	\$2.72
H-13	TA-PVC-BF-BB-WT-30	11997146	\$2.85
H-13	TA-PVC-BF-BB-WT-36	11997149	\$2.95
H-13	TA-PVC-BF-BB-WT-48	11997152	\$3.15
H-13	TA-PVC-BF-BB-WT-60	11997155	\$3.35

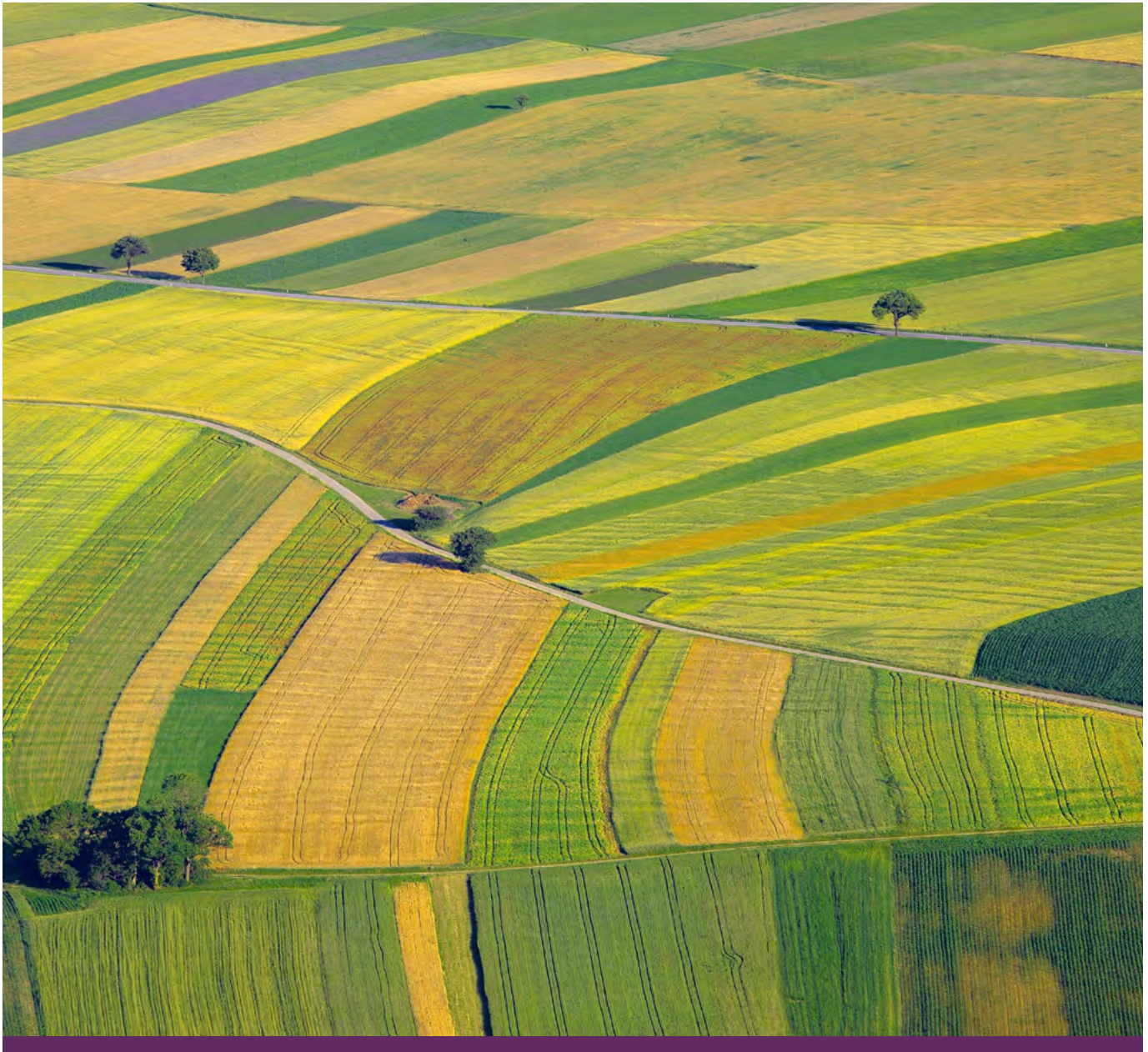
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H-14	TA-PVC-BB-24	11997006	\$0.76
H-14	TA-PVC-BB-30	11997008	\$0.86
H-14	TA-PVC-BB-72	11997010	\$1.55
H-14	TA-PVC-BB-36	11997012	\$0.96
H-14	TA-PVC-BB-48	11997016	\$1.16
H-14	TA-PVC-BB-60	11997018	\$1.35
H-14	TA-PE-BB-24	11997160	\$0.73
H-14	TA-PE-BB-30	11997162	\$0.83
H-14	TA-PE-BB-36	11997163	\$0.93
H-14	TA-PE-BB-18	11997164	\$0.64
H-14	TA-PE-BB-48	11997166	\$1.13
H-14	TA-PE-BB-60	11997168	\$1.32
H-15	STP	12500421	\$0.61
H-15	STN	12500422	\$0.64
H-15	ASBLK-6	12501250	\$0.45
H-15	ASGRN-6	12501251	\$0.45
H-15	ASAVCDO-6	12501252	\$0.45
H-15	ASTERCTA-6	12501253	\$0.45
H-15	ASBRN-6	12501254	\$0.45
H-15	ASGRY-6	12501255	\$0.45
H-15	ASBLU-6	12501256	\$0.45
H-15	ST-P-12	12781312	\$0.62
H-15	ST-P-18	12781318	\$0.76
H-15	ST-P-24	12781324	\$0.78
H-15	ST-P-30	12781330	\$0.82
H-15	ST-P-36	12781336	\$0.88
H-15	ST-P-42	12781342	\$0.94
H-15	ST-N-18	12783418	\$0.76
H-15	ST-N-24	12783424	\$0.78
H-15	ST-N-30	12783430	\$0.82
H-15	ST-N-36	12783436	\$0.88
H-15	ST-N-48	12783448	\$0.97
H-15	ST-N-72	12783472	\$1.08
H-16	TRS	12500423	\$0.61
H-16	TRS36-12	12790012	\$0.98
H-16	TRS36-18	12790018	\$1.01
H-16	TRS36-24	12790024	\$1.04
H-16	TRS36-36	12790036	\$1.10
H-16	TRS36-42	12790042	\$1.15
H-16	TRS36-48	12790054	\$1.21
H-16	TRS50-12	12790112	\$0.98

Page	Model #	Part #	Price
H-16	TRS50-18	12790118	\$1.01
H-16	TRS50-24	12790124	\$1.04
H-16	TRS50-30	12790130	\$1.06
H-16	TRS50-36	12790136	\$1.10
H-16	TRS50-42	12790142	\$1.15
H-16	TRS50-48	12790148	\$1.21
H-16	TRS60-24	12790224	\$1.04
H-16	TRS60-30	12790230	\$1.06
H-16	TRS60-36	12790236	\$1.10
H-16	TRS76-12	12790312	\$0.83
H-16	TRS76-18	12790318	\$1.01
H-16	TRS76-24	12790324	\$0.88
H-16	TRS76-36	12790330	\$1.06
H-16	TRS76-30	12790336	\$1.10
H-17	EW036-12	12771012	\$1.41
H-17	EW036-18	12771018	\$1.44
H-17	EW036-24	12771024	\$1.46
H-17	EW036-30	12771030	\$1.51
H-17	EW036-36	12771036	\$1.56
H-17	EW036-42	12771042	\$1.63
H-17	EW036-48	12771048	\$1.70
H-17	EW036-60	12771060	\$1.83
H-17	EW036-72	12771072	\$2.05
H-17	EW050-12	12771112	\$1.41
H-17	EW050-18	12771118	\$1.44
H-17	EW050-24	12771124	\$1.46
H-17	EW050-30	12771130	\$1.51
H-17	EW050-36	12771136	\$1.56
H-17	EW050-42	12771142	\$1.63
H-17	EW050-48	12771148	\$1.70
H-17	EW050-60	12771160	\$1.83
H-17	EW050-72	12771172	\$2.05
H-17	EW060-12	12771212	\$1.44
H-17	EW060-18	12771218	\$1.46
H-17	EW060-24	12771224	\$1.49
H-17	EW060-30	12771230	\$1.54
H-17	EW060-36	12771236	\$1.57
H-17	EW060-42	12771242	\$1.65
H-17	EW060-48	12771248	\$1.71
H-17	EW060-60	12771260	\$1.84
H-17	EW060-72	12771272	\$2.06

Page	Model #	Part #	Price
H-17	EW076-12	12771312	\$1.44
H-17	EW076-18	12771318	\$1.46
H-17	EW076-24	12771324	\$1.49
H-17	EW076-30	12771330	\$1.54
H-17	EW076-36	12771336	\$1.57
H-17	EW076-42	12771342	\$1.65
H-17	EW076-48	12771348	\$1.71
H-17	EW076-60	12771360	\$1.84
H-17	EW076-72	12771372	\$2.06
H-18	05PC-EW076-12	12775312	\$2.15
H-18	05PC-EW076-18	12775318	\$2.15
H-18	05PC-EW076-24	12775324	\$2.31
H-18	05PC-EW076-30	12775330	\$2.31
H-18	05PC-EW076-36	12775336	\$2.50
H-18	05PC-EW076-48	12775348	\$2.68
H-18	05PC-EW076-60	12775360	\$3.03
H-18	05PC-EW076-72	12775372	\$3.39
H-18	10PC-EW076-12	12776312	\$2.15
H-18	10PC-EW076-18	12776318	\$2.15
H-18	10PC-EW076-24	12776324	\$2.31
H-18	10PC-EW076-30	12776330	\$2.31
H-18	10PC-EW076-36	12776336	\$2.50
H-18	10PC-EW076-48	12776348	\$2.68
H-18	10PC-EW076-60	12776360	\$3.03
H-18	10PC-EW076-72	12776372	\$3.39
H-18	20PC-EW076-12	12777312	\$2.15
H-18	20PC-EW076-18	12777318	\$2.15
H-18	20PC-EW076-24	12777324	\$2.31
H-18	20PC-EW076-30	12777330	\$2.31
H-18	20PC-EW076-36	12777336	\$2.50
H-18	20PC-EW076-48	12777348	\$2.68
H-18	20PC-EW076-60	12777360	\$3.03
H-18	20PC-EW076-72	12777372	\$3.39

GREENHOUSE AND NURSERY





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# 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	Maximum 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-03	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.

Model #	Part #	Description	Box Qty	Box Wt (lbs)	Stock Code
<b>Mazzei Injectors - Polypropylene</b>					
283-PP	14000000	1/2" MNPT - 1/4" Barb ID Suction Port	60	0.2	
287-PP	14000001	1/2" MNPT - 1/4" Barb ID Suction Port	1	0.2	
384-PP	14000002	1/2" MNPT	1	0.2	
384X-PP	14000441	1/2" MNPT	1	0.2	
484-PP	14000003	1/2" MNPT	1	0.2	
584C-PP	14000004	1/2" MNPT	1	0.2	MTO
484A-PP	14000005	3/4" MNPT	1	0.3	
584-PP	14000006	3/4" MNPT	1	0.3	
878-03-PP	14000007	1" MNPT	1	0.4	
885X-03-PP	14000008	1" MNPT	1	0.4	
1078-03-PP	14000009	1" MNPT	1	0.4	
1583A-PP	14000010	1 1/2" MNPT	1	0.6	
1585X-PP	14000011	1 1/2" MNPT	1	0.6	
1587-PP	14000012	1 1/2" MNPT	1	0.6	MTO
2081A-PP	14000013	2" MNPT	1	0.9	
2083X-PP	14000014	2" MNPT	1	0.9	



# Injectors

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

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

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

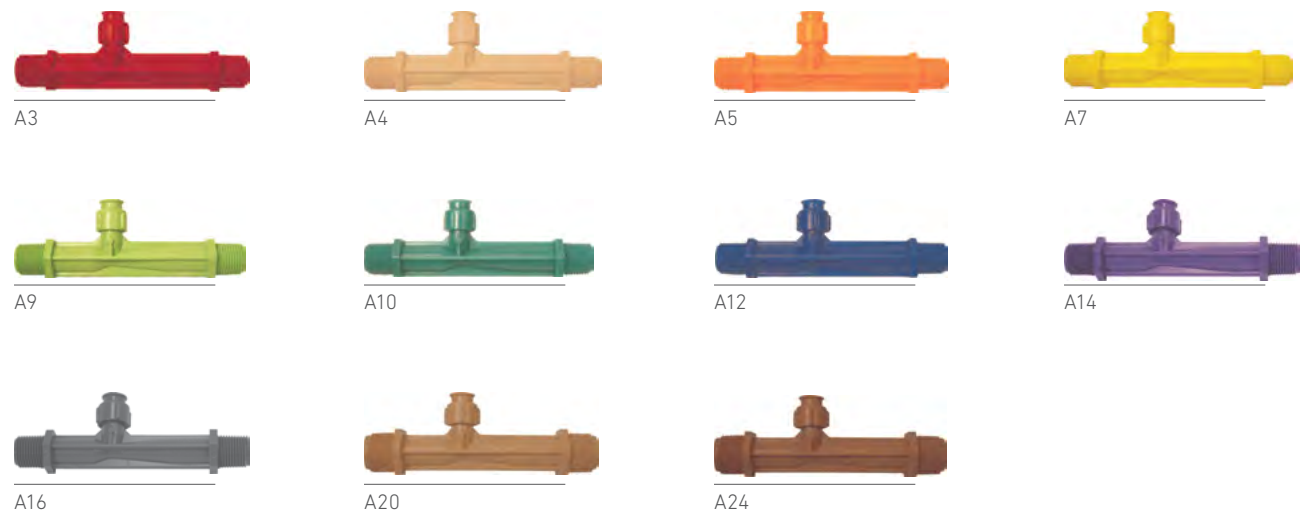


FERTIGATION

FERTIGATION

## AirJection Injectors

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



Model #	Part #	Description	Box Qty	Box Wt	Stock Code
<b>Manifold (MAI-Series) AirJection Units</b>					
MAI-2081	14000300	2" Unit w/ Model 2081A-PVDF Mazzei Injector	1	7.0	MTO
MAI-3090	14000301	3" Unit w/ Model 3090-PVDF Mazzei Injector	1	14.2	MTO



## Suction and Bypass Kits

Model #	Part #	Description	Box Qty	Box Wt	Stock Code
<b>Suction Kits</b>					
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	
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	
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
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	
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
<b>Bypass Kits</b>					
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	
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	
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	
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
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



Suction Kits



Bypass Kit

## Parts and Accessories

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



F44376L-8



CAP-PP.375



CAP-PVDF.75



Check Valve Repair Kits

## Parts and Accessories

Model #	Part #	Description	Box Qty	Box Wt	Stock Code
<b>Check Valves</b>					
C83-PP	14000425	1/2" Check valve for old-style 1" injectors - polypropylene	1	0.2	
C83-PVDF	14000426	1/2" Check valve for old-style 1" injectors - PVDF	1	0.2	MTO
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
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
C86	14000427	1 1/4" Check valve for 2" injectors - PVC (replacement valve for K282 Kit)	1	2.1	
<b>Metering Valves</b>					
MV-25-PP	14000428	1/4" Metering valve for 1/2" & 3/4" injectors - polypropylene & Teflon	1	0.2	
MV-5-PP	14000460	1/2" Metering valve for 1" & 1 1/2" injectors - polypropylene & Teflon *	1	0.6	
MV-5-PVDF	14000461	1/2" Metering valve for 1" & 1 1/2" injectors - PVDF & Teflon *	1	0.8	MTO
* Male thread					
<b>Tubing Adapters</b>					
TA-225	14000431	1/4" Male NPT X 1/4" ID Hose Barb Connection	1	0.01	MTO
TA-325	14000450	3/8" x 1/4" (MNPT x Tube Size)	1	0.01	MTO
TA-525	14000432	1/2" Male NPT X 1/4" ID Hose Barb Connection	1	0.03	MTO
TA-550	14000433	1/2" Male NPT X 1/2" ID Hose Barb Connection	1	0.04	MTO
<b>Tubing Clamps</b>					
CLAMP#23	14000434	Clamp for 1/4" ID tubing	1	0.01	MTO
CLAMP#44	14000435	Clamp for 1/2" ID tubing	1	0.02	MTO
<b>Strainers</b>					
S-84	14000436	Strainer for suction lines, less tubing adapter	1	0.05	
S-84 1/2"	14000438	Strainer for suction lines for new-style (-02) 1" & 1 1/2" injectors	1	0.05	
S-84FV	14000439	Strainer with foot valve, 3/8" hose barb and 1/2" MNPT connector	1	0.1	
S-87	14000440	PVC strainer for 1" suction lines used on 2" injectors	1	0.1	MTO

### Check Valves



C83-PP

C75R

### Metering Valves



MV-25



MV-5-PVDF

### Tubing Adapters



TA-525

### Tubing Clamps



CLAMP#44

### Strainers



S-84



S-84FV



S-87

# FERTIGATION Part# Index

Part #	Model #	Page	Price
14000000	283-PP	I-02	\$58.09
14000001	287-PP	I-02	\$58.09
14000002	384-PP	I-02	\$82.72
14000003	484-PP	I-02	\$82.72
14000004	584C-PP	I-02	\$82.72
14000005	484A-PP	I-02	\$82.72
14000006	584-PP	I-02	\$82.72
14000007	878-03-PP	I-02	\$135.95
14000008	885X-03-PP	I-02	\$135.95
14000009	1078-03-PP	I-02	\$135.95
14000010	1583A-PP	I-02	\$170.55
14000011	1585X-PP	I-02	\$191.56
14000012	1587-PP	I-02	\$191.56
14000013	2081A-PP	I-02	\$238.52
14000014	2083X-PP	I-02	\$347.28
14000100	283-PVDF	I-03	\$93.69
14000101	287-PVDF	I-03	\$93.69
14000102	384-PVDF	I-03	\$105.43
14000103	384X-PVDF	I-03	\$105.43
14000104	484-PVDF	I-03	\$105.43
14000105	584C-PVDF	I-03	\$105.43
14000106	484A-PVDF	I-03	\$105.43
14000107	484X-PVDF	I-03	\$105.43
14000108	584-PVDF	I-03	\$105.43
14000109	684-PVDF	I-03	\$105.43
14000110	878-03-PVDF	I-03	\$206.39
14000111	885X-03-PVDF	I-03	\$206.39
14000112	1078-03-PVDF	I-03	\$206.39
14000113	1583A-PVDF	I-03	\$295.37
14000114	1585X-PVDF	I-03	\$295.37
14000115	1587-PVDF	I-03	\$295.37
14000116	2081A-PVDF	I-03	\$538.84
14000117	2083X-PVDF	I-03	\$538.84
14000118	3090-PVDF	I-03	\$2,167.69
14000119	4091-PVDF	I-03	\$3,689.02
14000200	A3	I-04	\$60.82
14000201	A4	I-04	\$51.67
14000202	A5	I-04	\$51.67
14000203	A7	I-04	\$60.82
14000204	A9	I-04	\$60.82
14000205	A10	I-04	\$60.82
14000206	A12	I-04	\$60.82
14000207	A14	I-04	\$60.82
14000208	A16	I-04	\$60.82
14000209	A20	I-04	\$60.82
14000210	A24	I-04	\$60.82
14000300	MAI-2081	I-04	\$1,722.78
14000301	MAI-3090	I-04	\$3,582.73

Part #	Model #	Page	Price
14000400	K184	I-05	\$98.94
14000401	K183	I-05	\$206.39
14000402	K282	I-05	\$363.34
14000403	K184-A	I-05	\$186.62
14000404	K184-B	I-05	\$196.51
14000405	K181-A-02	I-05	\$360.87
14000406	K183-A	I-05	\$360.87
14000407	K282-A	I-05	\$610.51
14000408	F44250L-8	I-06	\$273.13
14000409	F44330L-8	I-06	\$273.13
14000410	F44375L-8	I-06	\$273.13
14000411	F44376L-8	I-06	\$273.13
14000412	F44500L-8	I-06	\$273.13
14000413	CAP-PP	I-06	\$2.52
14000414	CAP-PP.375	I-06	\$5.33
14000416	CAP-PP.75	I-06	\$10.94
14000417	CAP-PVDF	I-06	\$14.25
14000418	CAP-PVDF 0.25	I-06	\$14.25
14000419	CAP-PVDF 0.50	I-06	\$14.25
14000420	CAP-PVDF 0.75	I-06	\$14.25
14000421	CR-1	I-06	\$13.71
14000422	CR-2	I-06	\$15.64
14000423	CR-3	I-06	\$18.80
14000424	CR-4	I-06	\$25.11
14000425	C83-PP	I-07	\$34.79
14000426	C83-PVDF	I-07	\$54.72
14000427	C86	I-07	\$60.87
14000428	MV-25-PP	I-07	\$79.24
14000431	TA-225	I-07	\$2.57
14000432	TA-525	I-07	\$2.57
14000433	TA-550	I-07	\$2.57
14000434	CLAMP#23	I-07	\$1.13
14000435	CLAMP#44	I-07	\$1.29
14000436	S-84	I-07	\$33.66
14000438	S-84 1/2"	I-07	\$36.61
14000439	S-84FV	I-07	\$69.19
14000440	S-87	I-07	\$26.02
14000441	384X-PP	I-02	\$82.72
14000443	KR183	I-05	\$102.30
14000444	KR282	I-05	\$221.22
14000446	CAP-PVDF 1.5	I-06	\$33.66
14000447	CAP-PVDF 2.0	I-06	\$36.91
14000448	C75-CVA	I-07	\$67.84
14000449	C75R-BSPT	I-07	\$57.63
14000450	TA-325	I-07	\$2.46
14000460	MV-5-PP	I-07	\$160.67
14000461	MV-5-PVDF	I-07	\$263.24

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Page	Model #	Part #	Price
I-02	283-PP	14000000	\$58.09
I-02	287-PP	14000001	\$58.09
I-02	384-PP	14000002	\$82.72
I-02	484-PP	14000003	\$82.72
I-02	584C-PP	14000004	\$82.72
I-02	484A-PP	14000005	\$82.72
I-02	584-PP	14000006	\$82.72
I-02	878-03-PP	14000007	\$135.95
I-02	885X-03-PP	14000008	\$135.95
I-02	1078-03-PP	14000009	\$135.95
I-02	1583A-PP	14000010	\$170.55
I-02	1585X-PP	14000011	\$191.56
I-02	1587-PP	14000012	\$191.56
I-02	2081A-PP	14000013	\$238.52
I-02	2083X-PP	14000014	\$347.28
I-02	384X-PP	14000441	\$82.72
I-03	283-PVDF	14000100	\$93.69
I-03	287-PVDF	14000101	\$93.69
I-03	384-PVDF	14000102	\$105.43
I-03	384X-PVDF	14000103	\$105.43
I-03	484-PVDF	14000104	\$105.43
I-03	584C-PVDF	14000105	\$105.43
I-03	484A-PVDF	14000106	\$105.43
I-03	484X-PVDF	14000107	\$105.43
I-03	584-PVDF	14000108	\$105.43
I-03	684-PVDF	14000109	\$105.43
I-03	878-03-PVDF	14000110	\$206.39
I-03	885X-03-PVDF	14000111	\$206.39
I-03	1078-03-PVDF	14000112	\$206.39
I-03	1583A-PVDF	14000113	\$295.37
I-03	1585X-PVDF	14000114	\$295.37
I-03	1587-PVDF	14000115	\$295.37
I-03	2081A-PVDF	14000116	\$538.84
I-03	2083X-PVDF	14000117	\$538.84
I-03	3090-PVDF	14000118	\$2,167.69
I-03	4091-PVDF	14000119	\$3,689.02
I-04	A3	14000200	\$60.82
I-04	A4	14000201	\$51.67
I-04	A5	14000202	\$51.67
I-04	A7	14000203	\$60.82
I-04	A9	14000204	\$60.82
I-04	A10	14000205	\$60.82
I-04	A12	14000206	\$60.82
I-04	A14	14000207	\$60.82
I-04	A16	14000208	\$60.82
I-04	A20	14000209	\$60.82
I-04	A24	14000210	\$60.82
I-04	MAI-2081	14000300	\$1,722.78

Page	Model #	Part #	Price
I-04	MAI-3090	14000301	\$3,582.73
I-05	K184	14000400	\$98.94
I-05	K183	14000401	\$206.39
I-05	K282	14000402	\$363.34
I-05	K184-A	14000403	\$186.62
I-05	K184-B	14000404	\$196.51
I-05	K181-A-02	14000405	\$360.87
I-05	K183-A	14000406	\$360.87
I-05	K282-A	14000407	\$610.51
I-05	KR183	14000443	\$102.30
I-05	KR282	14000444	\$221.22
I-06	F44250L-8	14000408	\$273.13
I-06	F44330L-8	14000409	\$273.13
I-06	F44375L-8	14000410	\$273.13
I-06	F44376L-8	14000411	\$273.13
I-06	F44500L-8	14000412	\$273.13
I-06	CAP-PP	14000413	\$2.52
I-06	CAP-PP.375	14000414	\$5.33
I-06	CAP-PP.75	14000416	\$10.94
I-06	CAP-PVDF	14000417	\$14.25
I-06	CAP-PVDF 0.25	14000418	\$14.25
I-06	CAP-PVDF 0.50	14000419	\$14.25
I-06	CAP-PVDF 0.75	14000420	\$14.25
I-06	CR-1	14000421	\$13.71
I-06	CR-2	14000422	\$15.64
I-06	CR-3	14000423	\$18.80
I-06	CR-4	14000424	\$25.11
I-06	CAP-PVDF 1.5	14000446	\$33.66
I-06	CAP-PVDF 2.0	14000447	\$36.91
I-07	C83-PP	14000425	\$34.79
I-07	C83-PVDF	14000426	\$54.72
I-07	C86	14000427	\$60.87
I-07	MV-25-PP	14000428	\$79.24
I-07	TA-225	14000431	\$2.57
I-07	TA-525	14000432	\$2.57
I-07	TA-550	14000433	\$2.57
I-07	CLAMP#23	14000434	\$1.13
I-07	CLAMP#44	14000435	\$1.29
I-07	S-84	14000436	\$33.66
I-07	S-84 1/2"	14000438	\$36.61
I-07	S-84FV	14000439	\$69.19
I-07	S-87	14000440	\$26.02
I-07	C75-CVA	14000448	\$67.84
I-07	C75R-BSPT	14000449	\$57.63
I-07	TA-325	14000450	\$2.46
I-07	MV-5-PP	14000460	\$160.67
I-07	MV-5-PVDF	14000461	\$263.24





“The main benefits I see in the JAIN Monitoring and Control System are the ability to remotely control valves and pumps, combined with soil moisture data from the probes—we’re able to make smart irrigation decisions, reducing labor costs and saving water.”

**David Lindsey, Fresno CA**  
Precision Water Management Specialist

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- J-02** JAIN Logic
- J-04** Jain C3
- J-06** Bundles
- J-08** Parts and Components



# JAIN Logic

## Agricultural Monitoring Technology

Jain Logic is the field monitoring technology that growers trust. 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.

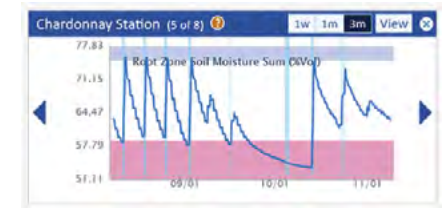
From soil moisture monitoring to evapotranspiration forecasting and irrigation scheduling, Jain Logic is the only water management software that farmers need to achieve more crop per drop.



## 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.



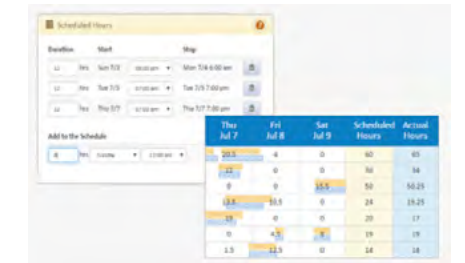
### Agronomic Tools / Widgets

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.

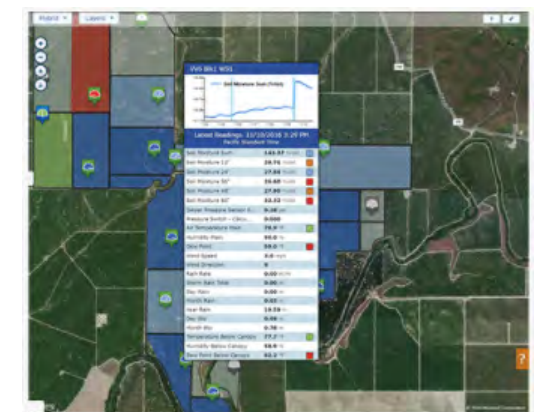


### Data Management

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 MONITORING & CONTROL

JAIN MONITORING AND CONTROL

Monthly Subscription Fees	
Part Number	Web and Data Services
10318	<b>Monitoring Stand Alone, Monthly Subscription</b> 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.
10320	<b>Control Station, Monthly Subscription</b> 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.
15201006	<b>Flow or Level Monitoring, Monthly Subscription</b> 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.

# 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
<b>Jain C3 Telemetry Unit</b>	
01622	<b>C3 Cellular / 900 Field Station</b> 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. *
00780	<b>C3 Enclosure and Solar Panel</b> A Solar Panel and enclosure for the C3, includes a GPS antenna, low gain 3G cellular antenna and pole mounting hardware.
10165	<b>C3 Solar Enclosure Split Mount Kit</b> 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. <i>Does not include C3 Solar Enclosure.</i>

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

## Bundles

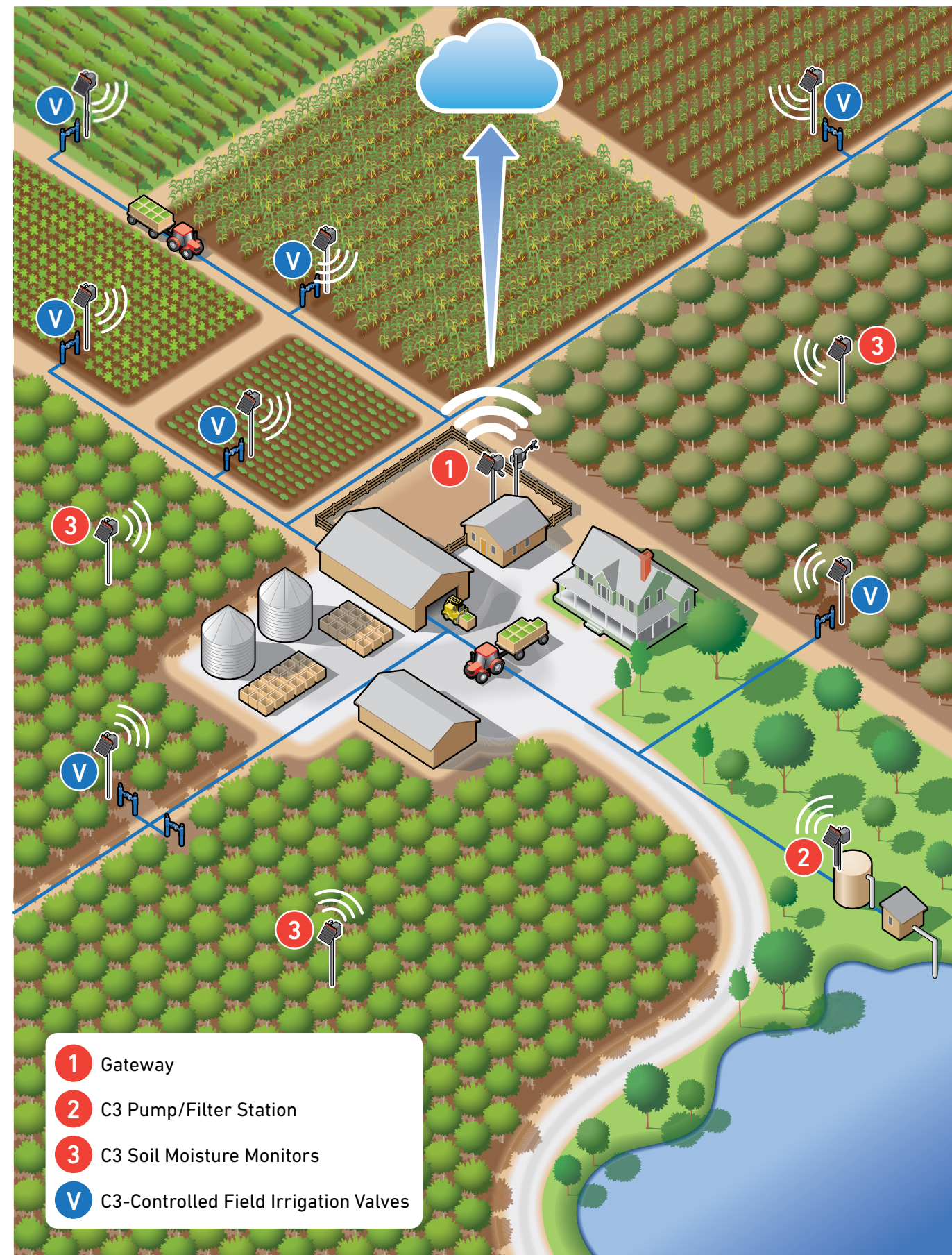
### Support for a Wide Range of Sensors

- 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
<b>Soil Moisture Station Bundles EnviroPro Bundles</b>	
10364	<b>C3 Telemetry Unit - 16" / 40cm EnviroPro Bundle</b> 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.
10365	<b>C3 Telemetry Unit - 32" / 80cm EnviroPro Bundle</b> 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.
10366	<b>C3 Telemetry Unit - 48" / 120cm EnviroPro Bundle</b> 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.
10367	<b>C3 Telemetry Unit - 60" / 160cm EnviroPro Bundle</b> 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.

Part Number	Description
<b>Soil Moisture Station Bundles Sentek Bundles</b>	
15213110	<b>C3 Telemetry Unit - 12" / 30cm Sentek Drill and Drop Bundle</b> 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.
15213111	<b>C3 Telemetry Unit - 24" / 60cm Sentek Drill and Drop Bundle</b> 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.
15213112	<b>C3 Telemetry Unit - 35" / 90cm Sentek Drill and Drop Bundle</b> 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.
15213113	<b>C3 Telemetry Unit - 47" / 120cm Sentek Drill and Drop Bundle</b> 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.
15213114	<b>C3 Telemetry Unit - 60" / 150cm Sentek Drill and Drop Bundle</b> 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.

Part Number	Description
<b>Soil Moisture Station Bundles Sentek TriSCAN Bundles</b>	
15213160	<b>C3 Telemetry Unit - 12" / 30cm Sentek TriSCAN Drill and Drop Bundle</b> 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.
15213161	<b>C3 Telemetry Unit - 24" / 60cm Sentek TriSCAN Drill and Drop Bundle</b> 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.
15213162	<b>C3 Telemetry Unit - 35" / 90cm Sentek TriSCAN Drill and Drop Bundle</b> 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.
15213163	<b>C3 Telemetry Unit - 47" / 120cm Sentek TriSCAN Drill and Drop Bundle</b> 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.
15213164	<b>C3 Telemetry Unit - 60" / 150cm Sentek TriSCAN Drill and Drop Bundle</b> 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.

## Parts and Components

Part Number	Description
<b>Antennas, Cables and Connectors</b>	
01437	<b>Cellular (3G, 4G, CDMA) Dome Antenna 20" / 50cm Cable</b> 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.
10238	<b>900MHz Pole Mount Antenna, 13' / 4m Cable</b> 900MHz whip antenna (5dBi) with 4m (13') cable and pole mounting kit (vertical or horizontal).
10239	<b>900MHz Pole Mount Antenna, 32' / 10m Cable</b> 900MHz whip antenna (5dBi) with 10m (32') cable and pole mounting kit (vertical or horizontal).
00026	<b>Device Extension Cable, 32' / 10m</b> 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.
00028	<b>Device Connector (male) to Bare Ended Cable, 2' / 60cm</b> 2' cable with male, 4 conductor, Switchcraft EN3 to bare ends.
00174	<b>Device Connector (female) to Bare Ended Cable, 2' / 60cm</b> 2' cable with female, 4 conductor, Switchcraft EN3 to bare ends. Allows various devices to be easily disconnected when used with standard cable sets.
00774	<b>C3 to Device Cable, 19' / 6m</b> 20' cable with a C3 terminal-block plug to male, 4 conductor, Switchcraft EN3 connector.
01346	<b>JPT-2 Pressure Sensor Cable Connector, Cable, 6' / 2m</b> 6' cable with a C3 terminal-block plug to male, 4 conductor, Switchcraft EN3 connector.
01364	<b>JPT-2 Pressure Sensor Cable Connector, Cable, 16' / 5m</b> 16' JPT-2 pressure-sensor cable with female, 4 conductor, elbowed, M12 connector.
01643	<b>Davis Weather Station Interface Cable</b> 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.
10082	<b>C3 High Current Cable for Actuator Control</b> Cable to connect C3 to high current devices such as actuators.
10125	<b>Cable Junction Accessory Pack</b> 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.
01413	<b>Output Cable (3 Way, 3m)</b> 9.5' 3 Way output cable (bare ends). Typically used as Solo solenoid output cable.
01727	<b>Weather Station - C3</b> Adds a Davis 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 of Davis Station.

## Parts and Components

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

Part Number	Description
<b>Additional Parts and Components</b>	
15213029	24" / 60cm Sentek Drill and Drop
15212002	Pressure Switch
15215001	Unified Field Station
15217043	Weather Station Unified
15214005	Temperature and Humidity Sensor with Cable
15214010	Radiation Shield
15215006	5 Watt Solar Panel
15211001	Power Cable for Solar Panel 25'
15211018	Sentek SMP Cable 15.5'
15320000	Antenna - Unified
15211006	12V 5Ah Sealed Lead Acid Rechargeable Battery
15211016	7.4V 6.6Ah Li-Ion Rechargeable Battery
15213028	12"/30CM Sentek Drill and Drop
15213029	24"/60CM Sentek Drill and Drop
15213033	35"/90CM Sentek Drill and Drop
15213035	47"/120CM Sentek Drill and Drop
15214112	59"/150CM Sentek Drill and Drop
15213034	12"/30CM Sentek TriSCAN Drill and Drop
15213037	24"/60CM Sentek TriSCAN Drill and Drop
15213039	35"/90CM Sentek TriSCAN Drill and Drop
15213038	47"/120CM Sentek TriSCAN Drill and Drop
15213024	59"/150CM Sealed TriSCAN Drill and Drop
15212015	JPT Pressure Sensor - Unified

# JAIN MONITORING & CONTROL Part# Index

# JAIN MONITORING & CONTROL Page# Index

Part #	Page	Price
00026	J-08	\$92.00
00028	J-08	\$11.51
00174	J-08	\$25.00
00774	J-08	\$75.00
00780	J-04	\$395.00
01346	J-08	\$25.00
01347	J-09	\$120.00
01364	J-08	\$40.00
01413	J-08	\$39.00
01437	J-08	\$75.00
01622	J-04	\$1,675.00
01643	J-08	\$160.00
01727	J-08	\$1,250.00
10082	J-08	\$110.00
10125	J-08	\$18.00
10165	J-04	\$42.00
10183	J-09	\$450.00
10238	J-08	\$185.00
10239	J-08	\$200.00
10318	J-02	\$49.00
10320	J-02	\$65.00
10364	J-07	\$3,200.00
10365	J-07	\$3,310.00
10366	J-07	\$3,800.00
10367	J-07	\$4,200.00
15201006	J-02	30/month
15211001	J-09	\$50.00
15211006	J-09	\$30.00
15211016	J-09	\$90.00
15211018	J-09	\$50.00
15212002	J-09	\$150.00
15212015	J-09	\$250.00
15213024	J-09	\$2,125.00
15213028	J-09	\$850.00
15213029	J-09	\$850.00
15213029	J-09	\$1,350.00
15213033	J-09	\$1,050.00
15213034	J-09	\$875.00
15213035	J-09	\$1,450.00
15213037	J-09	\$987.50
15213038	J-09	\$1,497.50
15213039	J-09	\$1,187.50
15213110	J-07	\$3,200.00
15213111	J-07	\$3,250.00
15213112	J-07	\$3,310.00
15213113	J-07	\$3,800.00
15213114	J-07	\$4,200.00
15213160	J-07	\$3,735.00

Part #	Page	Price
15213161	J-07	\$3,850.00
15213162	J-07	\$4,065.00
15213163	J-07	\$4,390.00
15213164	J-07	\$4,500.00
15214005	J-09	\$225.00
15214010	J-09	\$100.00
15214112	J-09	\$1,850.00
15215001	J-09	\$950.00
15215006	J-09	\$60.00
15217043	J-09	\$5,125.00
15320000	J-09	\$20.00

Page	Part #	Price
J-02	10318	\$49.00
J-02	10320	\$65.00
J-02	15201006	30/month
J-04	00780	\$395.00
J-04	01622	\$1,675.00
J-04	10165	\$42.00
J-07	10364	\$3,200.00
J-07	10365	\$3,310.00
J-07	10366	\$3,800.00
J-07	10367	\$4,200.00
J-07	15213110	\$3,200.00
J-07	15213111	\$3,250.00
J-07	15213112	\$3,310.00
J-07	15213113	\$3,800.00
J-07	15213114	\$4,200.00
J-07	15213160	\$3,735.00
J-07	15213161	\$3,850.00
J-07	15213162	\$4,065.00
J-07	15213163	\$4,390.00
J-07	15213164	\$4,500.00
J-08	00026	\$92.00
J-08	00028	\$11.51
J-08	00174	\$25.00
J-08	00774	\$75.00
J-08	01346	\$25.00
J-08	01364	\$40.00
J-08	01413	\$39.00
J-08	01437	\$75.00
J-08	01643	\$160.00
J-08	01727	\$1,250.00
J-08	10082	\$110.00
J-08	10125	\$18.00
J-08	10238	\$185.00
J-08	10239	\$200.00
J-09	01347	\$120.00
J-09	10183	\$450.00
J-09	15211001	\$50.00
J-09	15211006	\$30.00
J-09	15211016	\$90.00
J-09	15211018	\$50.00
J-09	15212002	\$150.00
J-09	15212015	\$250.00
J-09	15213024	\$2,125.00
J-09	15213028	\$850.00
J-09	15213029	\$850.00
J-09	15213029	\$1,350.00
J-09	15213033	\$1,050.00
J-09	15213034	\$875.00

Page	Part #	Price
J-09	15213035	\$1,450.00
J-09	15213037	\$987.50
J-09	15213038	\$1,497.50
J-09	15213039	\$1,187.50
J-09	15214005	\$225.00
J-09	15214010	\$100.00
J-09	15214112	\$1,850.00
J-09	15215001	\$950.00
J-09	15215006	\$60.00
J-09	15217043	\$5,125.00
J-09	15320000	\$20.00



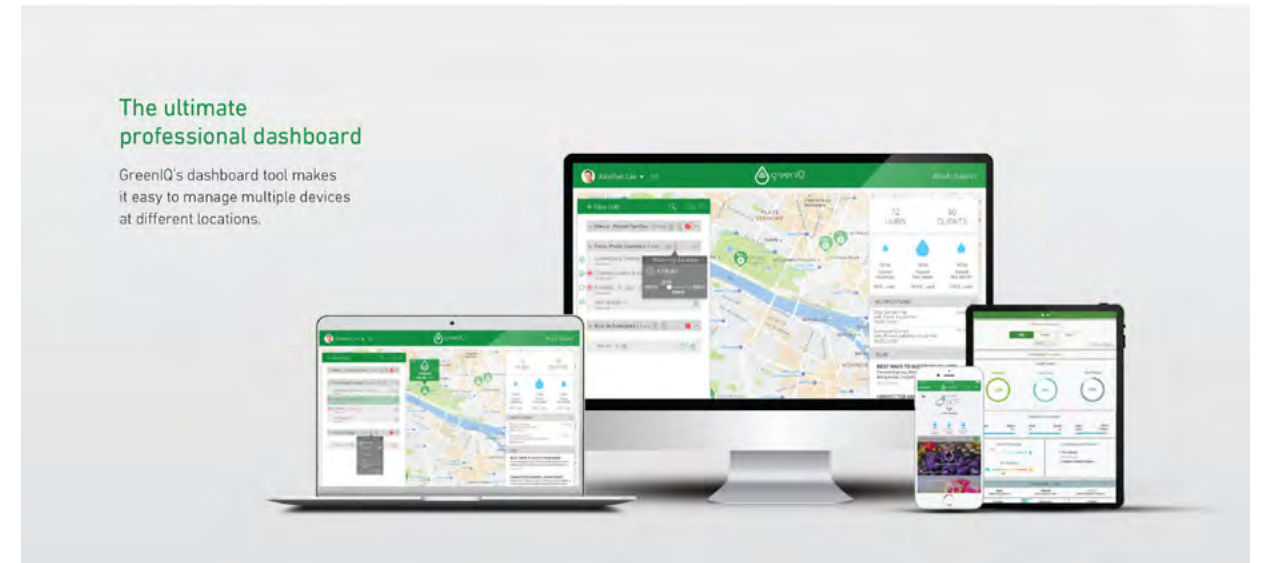
## TABLE OF CONTENTS

- K-02** GreenIQ Smart Garden Hub
- K-04** ETwater HermitCrab
- K-06** ETwater Commercial Controllers
- K-08** SmartWorks Replacement Panels
- K-09** Controller Accessories

# GreenIQ Smart Garden Hub

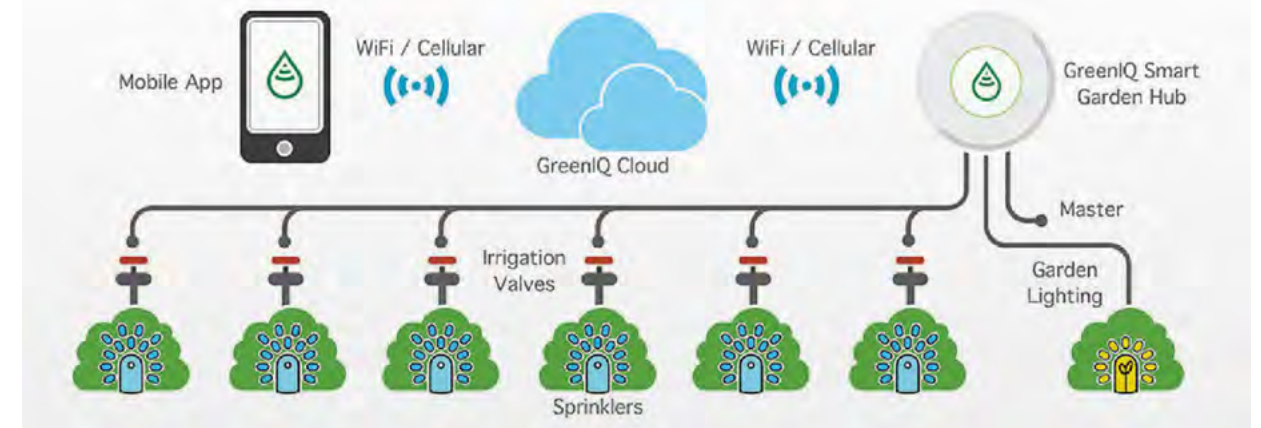


GreenIQ Smart Garden Hub



### The ultimate professional dashboard

GreenIQ's dashboard tool makes it easy to manage multiple devices at different locations.



Part #	Description	Box Qty
15150008	8 Station WiFi Irrigation Controller	1
15150016	16 Station WiFi Irrigation Controller	1

CONTROLLERS

CONTROLLERS

## ETwater Residential Controllers

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



Hermitcrab

CONTROLLERS

CONTROLLERS





# ETwater Commercial Controllers

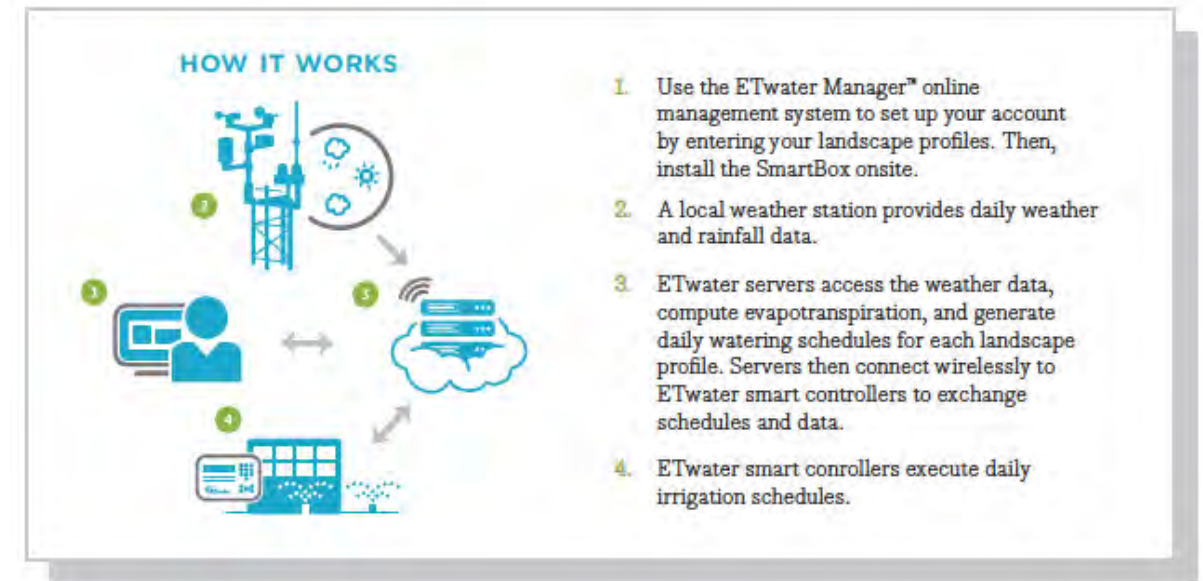
## Controller Includes

- 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 aluminum 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.



## SmartBox Controllers Specification Codes

- 205W-8 8 station model 205 controller
- 205W-16 16 station model 205 controller
- 205W-24 24 station model 205 controller
- 205W-32 32 station model 205 controller
- 205W-40 40 station model 205 controller
- 205W-48 48 station model 205 controller

Model #	Description (SmartBox Commercial)	Ship Qty	Weight (lbs)
205W-8	8 station commercial controller w/ cellular connection	1	11
205W-16	16 station commercial controller w/ cellular connection	1	11
205W-24	24 station commercial controller w/ cellular connection	1	11
205W-32	32 station commercial controller w/ cellular connection	1	11
205W-40	40 station commercial controller w/ cellular connection	1	11
205W-48	48 station commercial controller w/ cellular connection	1	11



## SmartWorks Replacement Panels

Model #	Description (Smartworks for RB)	Ship Qty	Weight (lbs)
204W-PB8	8 station Rain Bird panel w/ cellular connection	1	6
204W-PB16	16 station Rain Bird panel w/ cellular connection	1	6
204W-PB24	24 station Rain Bird panel w/ cellular connection	1	6
204W-PB32	32 station Rain Bird panel w/ cellular connection	1	6
204W-PB40	40 station Rain Bird panel w/ cellular connection	1	6
204W-PB-QC	Rain Bird 50 pin QuickConnect w/ cellular connection, cable included	1	6

Model #	Description (SmartWorks panel for Rian MAster, Sentar etc)	Ship Qty	Weight (lbs)
204W-PR12	12 station Rain Master, Sentar, Eagle + Hawk panel w/ cellular connection	1	5
204W-PR18	18 station Rain Master, Sentar, Eagle + Hawk panel w/ cellular connection	1	5
204W-PR24	24 station Rain Master, Sentar, Eagle + Hawk panel w/ cellular connection	1	5
204W-PR30	30 station Rain Master, Sentar, Eagle + Hawk panel w/ cellular connection	1	5
204W-PR36	36 station Rain Master, Sentar, Eagle + Hawk panel w/ cellular connection	1	5

Model #	Description (SmartWorks for Rain Master Evolution DX2 Controllers)	Ship Qty	Weight (lbs)
204W-PRE16	16 station Rain Master Evolution DX2 panel w/ cellular connection	1	5
204W-PRE24	24 station Rain Master Evolution DX2 panel w/ cellular connection	1	5
204W-PRE32	32 station Rain Master Evolution DX2 panel w/ cellular connection	1	5
204W-PRE40	40 station Rain Master Evolution DX2 panel w/ cellular connection	1	5
204W-PRE48	48 station Rain Master Evolution DX2 panel w/ cellular connection	1	5

Model #	Description (SmartWorks for Irritrol Controllers)	Ship Qty	Weight (lbs)
204W-PI18	18 station Irritrol panel w/ cellular connection	1	5
204W-PI24	24 station Irritrol panel w/ cellular connection	1	5
204W-PI30	30 station Irritrol panel w/ cellular connection	1	5
204W-PI36	36 station Irritrol panel w/ cellular connection	1	5
204W-PI42	42 station Irritrol panel w/ cellular connection	1	5

## Controller Accessories

Model #	Description	Ship Qty	Weight (lbs)
ETW-ANTV4	Covert antenna w/ tape mount option	1	0.5
ETW-ANTV4EXT	Covert antenna w/ tape mount option - extended cable	1	0.5
ETW-KEYS	Two replacement keys for ET Water cabinet	1	0.5
ETW-8STA-MODG4	8 station expansion module for controller models with firmware 6.xx	1	0.5
ETW-BASMOD-G4	Base Module for controller models with firmware 6.xx *(RMA approval needed)*	1	0.5
ETW-MDM-GPRS3	Cellular modem for controller models with firmware 6.14 & 7.18 and higher *(RMA approval needed)	1	0.5

Model #	Description	Ship Qty
ETW-MGR-1C	Model 105, 204, 205 & HC2 - Cell and Mobile connect - 1 year (included with purchase)	1
ETW-MGR-3C	Model 105, 204, 205 & HC2 - Cell and Mobile connect - 3 year (two additional years)	1
ETW-MGR-5C	Model 105, 204, 205 & HC2 - Cell and Mobile connect - 5 years (four additional years)	1

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Part #	Model #	Page	Price
15150008	GreenIQ 8 Station	K-02	\$229
15150016	GreenIQ 16 Station	K-02	\$249
	ETW-HC2-FA	K-04	\$1,200
	ETW-HC2-CLR	K-04	\$950
	ETW-HC-FA	K-04	\$250
	ETW-HC-H-CO	K-04	\$75
	ETW-HC-T-CO	K-04	\$75
	ETW-HC-IR6-CO	K-04	\$75
	ETW-HC-W-CO	K-04	\$75
	ETW-HC-RB5-CO	K-04	\$75
	ETW-HC-RB6-CO	K-04	\$75
	ETW-HC-RM-CO	K-04	\$75
	205W-8	K-06	\$2,450
	205W-16	K-06	\$2,750
	205W-24	K-06	\$3,050
	205W-32	K-06	\$3,350
	205W-40	K-06	\$3,650
	205W-48	K-08	\$3,950
	204W-PB8	K-08	\$2,350
	204W-PB16	K-08	\$2,600
	204W-PB24	K-08	\$2,750
	204W-PB32	K-08	\$3,100
	204W-PB40	K-08	\$3,350
	204W-PB-QC	K-08	\$2,500
	204W-PR12	K-08	\$2,500
	204W-PR18	K-08	\$2,600
	204W-PR24	K-08	\$2,700
	204W-PR30	K-08	\$2,800
	204W-PR36	K-08	\$2,900

Part #	Model #	Page	Price
	204W-PRE16	K-08	\$2,500
	204W-PRE24	K-08	\$2,750
	204W-PRE32	K-08	\$3,000
	204W-PRE40	K-08	\$3,250
	204W-PRE48	K-08	\$3,500
	204W-PI18	K-08	\$2,650
	204W-PI24	K-08	\$2,750
	204W-PI30	K-08	\$2,850
	204W-PI36	K-08	\$2,950
	204W-PI42	K-08	\$3,050
	ETW-ANTV4	K-09	\$60
	ETW-ANTV4EXT	K-09	\$75
	ETW-KEYS	K-09	\$30
	ETW-8STA-MODG4	K-09	\$350
	ETW-BASMOD-G4	K-09	\$450
	ETW-MDM-GPRS3	K-09	\$400
	ETW-MGR-1C	K-09	\$239
	ETW-MGR-3C	K-09	\$699
	ETW-MGR-5C	K-09	\$1,059

Page	Model #	Part #	Price
K-02	GreenIQ 8 Station	15150008	\$229
K-02	GreenIQ 16 Station	15150016	\$249
K-04	ETW-HC2-FA		\$1,200
K-04	ETW-HC2-CLR		\$950
K-04	ETW-HC-FA		\$250
K-04	ETW-HC-H-CO		\$75
K-04	ETW-HC-T-CO		\$75
K-04	ETW-HC-IR6-CO		\$75
K-04	ETW-HC-W-CO		\$75
K-04	ETW-HC-RB5-CO		\$75
K-04	ETW-HC-RB6-CO		\$75
K-04	ETW-HC-RM-CO		\$75
K-06	205W-8		\$2,450
K-06	205W-16		\$2,750
K-06	205W-24		\$3,050
K-06	205W-32		\$3,350
K-06	205W-40		\$3,650
K-08	205W-48		\$3,950
K-08	204W-PB8		\$2,350
K-08	204W-PB16		\$2,600
K-08	204W-PB24		\$2,750
K-08	204W-PB32		\$3,100
K-08	204W-PB40		\$3,350
K-08	204W-PB-QC		\$2,500
K-08	204W-PR12		\$2,500
K-08	204W-PR18		\$2,600
K-08	204W-PR24		\$2,700
K-08	204W-PR30		\$2,800
K-08	204W-PR36		\$2,900

Page	Model #	Part #	Price
K-08	204W-PRE16		\$2,500
K-08	204W-PRE24		\$2,750
K-08	204W-PRE32		\$3,000
K-08	204W-PRE40		\$3,250
K-08	204W-PRE48		\$3,500
K-08	204W-PI18		\$2,650
K-08	204W-PI24		\$2,750
K-08	204W-PI30		\$2,850
K-08	204W-PI36		\$2,950
K-08	204W-PI42		\$3,050
K-09	ETW-ANTV4		\$60
K-09	ETW-ANTV4EXT		\$75
K-09	ETW-KEYS		\$30
K-09	ETW-8STA-MODG4		\$350
K-09	ETW-BASMOD-G4		\$450
K-09	ETW-MDM-GPRS3		\$400
K-09	ETW-MGR-1C		\$239
K-09	ETW-MGR-3C		\$699
K-09	ETW-MGR-5C		\$1,059



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

## Air Vents

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Box Code	Stock Code
<b>Air / Vacuum Relief Valve</b>							
VBK-3/4	12090033	3/4" MPT	36	144	60	A	
VBK-1	12090023	1" MPT	36	144	60	A	
VBKV-1	12090028	1" MPT with 1/8" Schrader Valve	36	144	64	A	
<b>Air / Vacuum Relief Valve</b>							
APV-1	12090001	1" MPT		36	10.0	E	
APV-1-1/4	12090004	1 1/4" MPT		12	10.0	E	
APV-1-1/2	12090002	1 1/2" MPT		12	12.0	E	
APV-2	12090007	2" MPT		6	13.0	E	
<b>Air / Vacuum Relief Valve with 1/8" Schrader Valve</b>							
APVV-1	12090010	1" MPT		6	10.0	E	
APVV-1-1/4	12090013	1 1/4" MPT		12	10.0	E	MTO
APVV-1-1/2	12090011	1 1/2" MPT		12	12.0	E	MTO
APVV-2	12090016	2" MPT		6	13.0	E	
<b>Continuous Air Relief Valve</b>							
ARVC100	12090057	1" MPT		6	17.0	E	
<b>Combination Air Relief Valve</b>							
ARV-2	12090020	2" MPT		12	22.0	F	



VBK-3/4



APV-1



APVV-1-1/4



ARVC100



ARV-2

AIR VENTS & PRESSURE REGULATORS

## Pressure Regulators

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Box Code	Stock Code
<b>Pipe Thread Low Flow Pressure Regulator: 3/4" FPT X 3/4" MPT</b>							
PRL20PP	72500497	20 PSI @ 1-8 GPM	10	120	8.8	F	MTO
PRL25PP	72500498	25 PSI @ 1-8 GPM	10	120	8.8	F	MTO
<b>Hose Thread Medium Flow Pressure Regulator: 3/4" FHT inlet x 3/4" MHT Outlet</b>							
PRH-15	72015063	15 PSI	10	50	3.4	F	
PRH-20	72015064	20 PSI	10	50	3.4	F	
PRH-25	72015065	25 PSI	10	50	3.4	F	
PRH-30	72015066	30 PSI	10	50	3.4	F	
PRH-35	72015067	35 PSI	10	50	3.4	F	MTO

Note: Other Pressure Settings available.

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



PRL20PP



PRH-20



PRP-30



PR-075-L-06



PR-075-L-20



PR-075H-L-20

AIR VENTS AND PRESSURE REGULATORS

# Pressure Regulators

# AIR VENTS & PRESSURE REGULATORS Part# Index

Model #	Part #	Description	Box Qty	Box Wt	Box Code	Stock Code
<b>Medium Flow Pressure Regulators: 4 to 16 GPM - 3/4" FPT x 3/4" FPT</b>						
PR-075-M-10	12100018	10 PSI	50	22.0	L	
<b>Medium Flow Pressure Regulators: 2 to 20 GPM - 3/4" FPT x 3/4" FPT</b>						
PR-075-M-15	12100022	15 PSI	50	22.0	L	
PR-075-M-20	12100026	20 PSI	50	22.0	L	
PR-075-M-25	12100028	25 PSI	50	22.0	L	
PR-075-M-30	12100030	30 PSI	50	22.0	L	
PR-075-M-35	12100033	35 PSI	50	22.0	L	MTO
PR-075-M-40	12100035	40 PSI	50	22.0	L	
PR-075-M-50	12100037	50 PSI	50	22.0	L	
<b>Medium Flow Pressure Regulators: 4 to 16 GPM - 1" FPT x 1" FPT</b>						
PR-100-M-10	12100019	10 PSI	50	26.0	L	
<b>Medium Flow Pressure Regulators: 2 to 20 GPM - 1" FPT x 1" FPT</b>						
PR-100-M-15	12100023	15 PSI	50	26.0	L	MTO
PR-100-M-20	12100053	20 PSI	50	26.0	L	
PR-100-M-25	12100060	25 PSI	50	26.0	L	
PR-100-M-30	12100031	30 PSI	50	26.0	L	
PR-100-M-35	12100057	35 PSI	50	26.0	L	MTO
PR-100-M-40	12100036	40 PSI	50	26.0	L	
PR-100-M-50	12100059	50 PSI	50	26.0	L	
<b>High Flow Pressure Regulators: 10 to 32 GPM - 1 1/4" FPT x 1" FPT</b>						
PR-10-HF	12100041	10 PSI	25	17.0	J	
PR-20-HF	12100043	20 PSI	25	17.0	J	MTO
PR-25-HF	12100044	25 PSI	25	17.0	J	MTO
PR-30-HF	12100045	30 PSI	25	17.0	J	MTO
PR-40-HF	12100046	40 PSI	25	17.0	J	MTO
PR-50-HF	12100047	50 PSI	25	17.0	J	MTO

Part #	Model #	Page	Price
12090001	APV-1	L-02	\$21.01
12090002	APV-1-1/2	L-02	\$74.66
12090004	APV-1-1/4	L-02	\$44.25
12090007	APV-2	L-02	\$78.39
12090010	APVV-1	L-02	\$26.90
12090011	APVV-1-1/2	L-02	\$80.55
12090013	APVV-1-1/4	L-02	\$50.13
12090016	APVV-2	L-02	\$80.55
12090020	ARV-2	L-02	\$204.80
12090023	VBK-1	L-02	\$13.67
12090028	VBKV-1	L-02	\$18.54
12090033	VBK-3/4	L-02	\$13.67
12090057	ARVC100	L-02	\$102.46
12100017	PR-075-L-10	L-03	\$18.34
12100018	PR-075-M-10	L-04	\$23.12
12100019	PR-100-M-10	L-04	\$25.08
12100020	PR-075-L-12	L-03	\$18.34
12100021	PR-075-L-15	L-03	\$18.34
12100022	PR-075-M-15	L-04	\$23.12
12100023	PR-100-M-15	L-04	\$25.08
12100026	PR-075-M-20	L-04	\$23.12
12100028	PR-075-M-25	L-04	\$23.12
12100030	PR-075-M-30	L-04	\$20.62
12100031	PR-100-M-30	L-04	\$25.08
12100033	PR-075-M-35	L-04	\$23.12
12100035	PR-075-M-40	L-04	\$23.12
12100036	PR-100-M-40	L-04	\$25.08
12100037	PR-075-M-50	L-04	\$23.12

Part #	Model #	Page	Price
12100039	PR-075-L-06	L-03	\$18.34
12100041	PR-10-HF	L-04	\$48.98
12100043	PR-20-HF	L-04	\$48.98
12100044	PR-25-HF	L-04	\$48.98
12100045	PR-30-HF	L-04	\$48.98
12100046	PR-40-HF	L-04	\$48.98
12100047	PR-50-HF	L-04	\$48.98
12100050	PR-075H-L-30	L-03	\$20.25
12100052	PR-075H-L-12	L-03	\$20.25
12100053	PR-100-M-20	L-04	\$25.08
12100057	PR-100-M-35	L-04	\$25.08
12100058	PR-075H-L-25	L-03	\$20.25
12100059	PR-100-M-50	L-04	\$25.08
12100060	PR-100-M-25	L-04	\$25.08
72015063	PRH-15	L-03	\$12.08
72015064	PRH-20	L-03	\$12.08
72015065	PRH-25	L-03	\$12.08
72015066	PRH-30	L-03	\$12.08
72015067	PRH-35	L-03	\$12.08
72100024	PR-075-L-20	L-03	\$19.26
72100025	PR-075H-L-20	L-03	\$21.26
72100027	PR-075-L-25	L-03	\$19.26
72100029	PR-075-L-30	L-03	\$19.26
72100032	PR-075-L-35	L-03	\$19.26
72100034	PR-075-L-40	L-03	\$19.26
72100064	PRP-30	L-03	\$12.08
72500497	PRL20PP	L-03	\$11.54
72500498	PRL25PP	L-03	\$10.09



AIR VENTS & PRESSURE REGULATORS

# AIR VENTS & PRESSURE REGULATORS Page# Index

Page	Model #	Part #	Price
L-02	VBK-3/4	12090033	\$13.67
L-02	VBK-1	12090023	\$13.67
L-02	VBKV-1	12090028	\$18.54
L-02	APV-1	12090001	\$21.01
L-02	APV-1-1/4	12090004	\$44.25
L-02	APV-1-1/2	12090002	\$74.66
L-02	APV-2	12090007	\$78.39
L-02	APVV-1	12090010	\$26.90
L-02	APVV-1-1/4	12090013	\$50.13
L-02	APVV-1-1/2	12090011	\$80.55
L-02	APVV-2	12090016	\$80.55
L-02	ARV-2	12090020	\$204.80
L-02	ARVC100	12090057	\$102.46
L-03	PR-075-L-10	12100017	\$18.34
L-03	PR-075-L-12	12100020	\$18.34
L-03	PR-075-L-15	12100021	\$18.34
L-03	PR-075-L-06	12100039	\$18.34
L-03	PR-075H-L-30	12100050	\$20.25
L-03	PR-075H-L-12	12100052	\$20.25
L-03	PR-075H-L-25	12100058	\$20.25
L-03	PRH-15	72015063	\$12.08
L-03	PRH-20	72015064	\$12.08
L-03	PRH-25	72015065	\$12.08
L-03	PRH-30	72015066	\$12.08
L-03	PRH-35	72015067	\$12.08
L-03	PR-075-L-20	72100024	\$19.26
L-03	PR-075H-L-20	72100025	\$21.26
L-03	PR-075-L-25	72100027	\$19.26

Page	Model #	Part #	Price
L-03	PR-075-L-30	72100029	\$19.26
L-03	PR-075-L-35	72100032	\$19.26
L-03	PR-075-L-40	72100034	\$19.26
L-03	PRP-30	72100064	\$12.08
L-03	PRL20PP	72500497	\$11.54
L-03	PRL25PP	72500498	\$10.09
L-04	PR-075-M-10	12100018	\$23.12
L-04	PR-100-M-10	12100019	\$25.08
L-04	PR-075-M-15	12100022	\$23.12
L-04	PR-100-M-15	12100023	\$25.08
L-04	PR-075-M-20	12100026	\$23.12
L-04	PR-075-M-25	12100028	\$23.12
L-04	PR-075-M-30	12100030	\$20.62
L-04	PR-100-M-30	12100031	\$25.08
L-04	PR-075-M-35	12100033	\$23.12
L-04	PR-075-M-40	12100035	\$23.12
L-04	PR-100-M-40	12100036	\$25.08
L-04	PR-075-M-50	12100037	\$23.12
L-04	PR-10-HF	12100041	\$48.98
L-04	PR-20-HF	12100043	\$48.98
L-04	PR-25-HF	12100044	\$48.98
L-04	PR-30-HF	12100045	\$48.98
L-04	PR-40-HF	12100046	\$48.98
L-04	PR-50-HF	12100047	\$48.98
L-04	PR-100-M-20	12100053	\$25.08
L-04	PR-100-M-35	12100057	\$25.08
L-04	PR-100-M-50	12100059	\$25.08
L-04	PR-100-M-25	12100060	\$25.08



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## Grommets for PVC Pipe

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



400-GRO



32-DRAMM GR

## WideCut Vine Curls

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

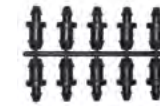
\* Must order in box quantities, call Customer Service for price.



A5-CURL-3

## Goof Plugs

Model #	Part #	Description	Box Qty	Pallet Qty	Box Wt	Box Code	Stock Code
MP-1	12290034	2 sizes per plug. Small plug: shank 0.161", barb 0.214"/Large plug: shank 0.235", barb 0.293"	100	17500	12.0	A	
HP25	12500398	Single Plug, to plug holes from 0.075 to 0.170	100	10000	10.0	F	
GP24	72500397	Dual Plug, plugs holes from 0.075" to 0.225" and plugs end of 1/4" tubing	100	3000	10.0	C	
MP-400	12290035	Plugs hole made for 400 series barb fittings	50	7000	7.0	A	
MP-400-GRO	12290036	Plugs 400-GRO	50	500	7.0	B	
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	C	
TPA-P	12040091	Plugs 29/64" hole for 1/2 PA. (Glueable in PVC)	50	500	10.0	B	
FHC-06-PLUG	12030064	Plug for FCH-06 & 09-LS, PL-KMA	50	500	27.0	A	



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	Box Code
<b>Lateral LPD</b>						
LLPD-16B	11990616	1/2" NPT thread x 16 mm Barb		280	MTO	
LLPD-17B	11990617	1/2" NPT thread x 17 mm Barb		270	MTO	
LLPD-20B	11990610	1/2" NPT thread x 20 mm Barb		250	MTO	
<b>3/4" Anti-Siphon Device</b>						
PASV77H	72501963	3/4" FHT X 3/4" MHT	20	60		A

### Lateral LPD



LLPD-17B

### 3/4" Anti-Siphon Valve



DP-M

# Flush Valves

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

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-FHT

#### Lateral Flush Valves



LFV-17B

#### 2" Flush Valves



FCH-2L



## Support Hooks and Clips

Model #	Part #	Description	Box Qty	Pallet Qty	Box Wt	Box Code	Stock Code
<b>Support Hooks &amp; Clips</b>							
A16H	12291037	16mm Dripline Support Hook	1000	10000			
A18H	12291064	18mm Dripline Support Hook (Bulk)		5500			
A18HB	12292024	18mm Dripline Support Hook (Bagged)	500	4000			
A20H	12291039	20mm Dripline Support Hook	1000	10000			MTO
A25H	12291040	3/4" Hose Support Hook	500	4000			MTO
A32H	12291041	1" Hose Support Hook	250	2000			MTO
52-18CLP	12292023	18mm Clip (Used in Clipline)	500	5500			



A16H



A25H

## Hose Accessories

Model #	Part #	Description	Box Qty	Pallet Qty	Box Wt	Box Code	Stock Code
<b>Hose Accessories</b>							
3/4" HW	12290014	Vinyl hose washer	100	1000	2.0	F	
3/4" SW	12290015	Vinyl hose washer with 30 mesh stainless steel screen	100	1000	2.0	F	
3/4" FHT Cap	12040073	3/4" FHT Cap - Black	50	1500	14.2	F	
600C	12501238	3/4" FHT Cap with washer - Green	50	500	7.3	A	



3/4" HW



3/4" SW



3/4" FHT Cap

## Figure 8 Tubing End Closures

Model #	Part #	Description	Box Qty	Pallet Qty	Box Wt	Box Code	Stock Code
<b>Figure 8 Tubing End Closures</b>							
600-AP8	12290017	Fits tubing O.D. up to 0.660"	100	3000	22.0	A	R
700-AP8	12290018	Fits tubing O.D. up to 0.720"	100	2200	22.0	A	R
700-AP8	72290018	Fits tubing O.D. up to 0.720"	25	300	3.3	C	R
800-AP8	12290115	Fits tubing O.D. up to 0.840"	100	1800	12.0	A	R
900-AP8	12290116	Fits tubing O.D. up to 0.950"	100	1400	12.0	A	R
1000-AP8	12290117	Fits tubing O.D. up to 1.3"	50	800	15.0	A	R



700-AP8

## Staples and Stakes

Model #	Part #	Description	Box Qty	Pallet Qty	Box Wt	Box Code	Stock Code
<b>Landscape Staples and Stakes</b>							
PS08	72500937	8" Wire Stake, fits 1/8" through 1/2" tube 12 Gauge U.S. Steel Wire, 0.105"	25	1000	2.1	F	R
S-2	72290042	Micro Tubing from 0.167 to 0.350 O.D.	25	3000	8.0	C	R
S-3	72290043	Micro Tubing 0.187 O.D.	25	500	3.2	B	R
S-4	72290044	Fits over 1/2" Tubing-Bottom Clip	25	300	9.0	F	R
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	F	R
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	C	R
RSTAKE	72015046	6" Riser Stake with 10-32 Thread Outlet	25	250	1.4	F	R
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	A	R



PS08



S-2



S-3



S-4



S-5



S-7



RSTAKE



PCS12

## Micro-Sprinkler Stakes

Model #	Part #	Description	Box Qty	Pallet Qty	Box Wt	Box Code	Stock Code
<b>Micro-Sprinkler Stakes</b>							
STAKE-31R	17097907	Stake 31, Red		550	25		
STAKE-31B	17097908	Stake 31, Black		550	25		
STAKE-34R	17097917	Stake 34, Red		170	11		
STAKE-37R	17097947	Stake 37, Red		170	14		
MS-12DR	12501132	Multi-stake - Red		250		A	
BUR-STK-47	12290250	Burial Stake (4/7 side inlet, 1/2" socket top)		325		A	



STAKE-31R



STAKE-31B



STAKE-34R



STAKE-37R



MS-12DR



BUR-STK-47

## Wire Ties and Tool

Model #	Part #	Description	Box Qty	Pallet Qty	Box Wt	Box Code	Stock Code
<b>Wire Ties (18 gauge) and Tool</b>							
AP-H	12290028	Wire Tie Handle	1	200	2.0	A	
AP-4	12290023	4" Galvanized		5000	17.0	K	
AP-2	12290021	6" Galvanized		5000	24.0	K	
AP-8	12290027	8" Galvanized		5000	31.0		
AP-1	12290020	4" Stainless Steel		5000	17.0	K	MTO
AP-3	12290022	6" Stainless Steel		5000	24.0	K	
AP-5	12290024	8" Stainless Steel		5000	31.0	K	

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	Box Code
<b>Flex Strap Tree Ties</b>						
FSTT-50	71240005	vinyl construction, coil length 50' (list price = 1 carton) *	12	1	32.4	M
FSTT-500	71240003	vinyl construction, coil length 500'	2	2	27.9	M

\* Must order in carton quantities



Flex Strap Tree Ties

## Tubing Support Clamp

Model #	Part #	Description	Box Qty	Pallet Qty	Box Wt	Box Code	Stock Code
<b>Tubing Support Clamps with Nail</b>							
PC185	72500465	3/16" (0.187 OD)	100	3000	13.7	C	MTO
PC250	72500466	1/4" (0.250 & 0.220 OD)	100	2000	13.2	B	
PC710	72500468	1/2" (0.710, 0.700, 0.600 OD)	100	500	14.7	C	



PC250

## Installation and Service Tools

Model #	Part #	Description	Box Qty	Pallet Qty	Box Wt	Box Code	Stock Code
<b>Ejector Style Hole Punches</b>							
AP025	12071006	2.5mm Hole Punch for Drip Emitters or 31-BC170	1	10		B	
AP030	12071008	3.0mm Hole Punch for 4/7mm Barb (NaanDanJain)	1	10		B	
AP036	12071009	3.6mm Hole Punch for 250 Series Barb	1	10		B	
AP070	12071025	7.0mm Hole Punch for 400 Series Barb	1	10		B	
AP012	12071005	12mm Hole Punch for 500 Series Barb	1	10		B	MTO
AP	12071003	Hole Punch witho Tip	1	10		B	
<b>Replacement Tips for Ejector Style Hole Punches</b>							
APT025	12071013	2.5mm Replacement Tip	1	10		B	
APT030	12071014	3.0mm Replacement Tip	1	10		B	
APT036	12071017	3.6mm Replacement Tip	1	10		B	
APT070	12071019	7.0mm Replacement Tip	1	10		B	
APT012	12071012	12mm Replacement Tip	1	10		B	MTO

Note: Other tips are available by special order: 4.0mm, 5.0mm, 6.0mm, 8.0mm, 9.0mm, 10mm, 11mm, 13mm, and 14mm.

<b>Drip Punches</b>							
HPT125	12501090	T-handle hole punch for 1/8" and 1/4" connectors & emitters	1	200	14.2	F	
PQP125	72500491	Quick Punch - punches hole for 1/8" and 1/4" barb fittings. Handle inserts 1/4" connectors.	10	200	11.5	A	
PKP160	72501091	Key Punch and Pep Jet Cap Remover	25	600	11.1	B	
RP	72501092	Punches hole for 1/4" and 3/16" barb fittings	6	72	0.8	B	



AP030



APT036



HPT125



PQP125



PKP160



MFIT

## Installation and Service Tools

Model #	Part #	Description	Box Qty	Pallet Qty	Box Wt	Box Code	Stock Code
<b>Punches (DP-4 and 7)</b>							
PP-400	12070065	400 Series Cutting Tool - Red Handle	1	6	1.0	B	
DP-400S	12070032	400 Series Cutting Tool - Ejector Type Red Handle	1	6	1.0	B	
DP-420	12070033	420 Series Cutting Tool - Brown Handle	1	6	1.0	B	
DP-700	12070037	700 Series cutting tool for 700 barb fittings	1	6	1.0	B	
DP-700I	12070038	Flaring and Insert tool	1	6	1.0	B	
DP-700-KIT	12070062	Combo of DP-700 and DP-700I	1	6	1.0	B	MTO
<b>Standard Type Punch</b>							
DP-M	72015085	Disposable Mini Hole Punch	10	500	13.7	C	
APPT	12291060	Poke and plug	1	500	13.7	C	
PP-47	17097785	Punch for 4/7 Tubing	1	10	13.7	B	
<b>T-Handle Hex Installation Tools</b>							
AP-H-1	12070012	1/2" Hex for FHC-09-LS Single Step and PL-70-KMA	1	500	1.0	A	
AP-H-2	12070013	For FHC-06-LS, PL-50, 55, 60 KMA	1	500	1.0	A	
<b>Drill Bits - For Rigid PVC Pipe</b>							
400-DRILL	12070068	9/16" for 400 GRO	1	10	0.5	B	MTO
700-DRILL	12070069	13/16" for 700 GRO	1	10	0.5	B	
1000-DRILL	12070070	15/16" for 1000 GRO	1	10	0.5	B	
AS DRILL	12070071	1" for AS Saddles	1	10	0.5	B	
ABIT14	12071027	14mm for 31-AGR400 & 31-AGRO	1	10	0.5	B	MTO

### Punches (DP-4 and 7)



PP-400



DP-420



DP-700

### 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



AS DRILL



ABIT14



## Installation and Service Tools

Model #	Part #	Description	Bag Qty	Box Qty	Box Wt	Box Code	Stock Code
<b>Lay Flat Punches</b>							
LFP-1	12070054	For standard adapter (14 mm) for FHA-P, FHC(-1)-06-LS (Orange & Black)	1	10	1.0	B	
LFP-LS-1	12070055	For 2-step adapter (19 mm) for FHC-06(09)-LS,	1	10	1.0	B	
<b>Miracle Punch for 16/20mm Tubing</b>							
AMP2	12071032	2.0mm (Red Tip – .075" Hole)	1	10			
AMP3	12071033	3.0mm (Blue Tip – .100" Hole)	1				
AMP4	12071034	4.0mm (Green Tip – .150" Hole)	1				MTO
AMPRT2	12071054	2.0mm Replacement Tip	1				MTO
AMPRT3	12071035	3.0mm Replacement Tip	1				MTO
AMPRT4	12071036	4.0mm Replacement Tip	1				MTO
<b>Miracle Inserter Tool</b>							
AMPIA	12071057	Insert Adapter for Miracle Punch	1				MTO
AMIT	12071053	Miracle Inserter Tool(Inserts Barbs into Micro Tubing)	1				MTO



LFP-1



AMP2



AMIT

## Pressure Check Devices

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



ACG



APS-1/8



PVK-30



AP-G



LFG-100



DG-60

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Part #	Model #	Page	Price
11050003	A5-CURL-3	M-02	\$0.14
11050004	A5-CURL-4	M-02	\$0.17
11050005	A6-CURL-3	M-02	\$0.17
11050006	A6-CURL-4	M-02	\$0.20
11050008	A7-CURL-4	M-02	\$0.22
11050013	A5-CURL-3G	M-02	\$4,436.71
11050014	A5-CURL-4G	M-02	\$3,782.94
11050015	A6-CURL-3G	M-02	\$3,782.94
11050016	A6-CURL-4G	M-02	\$3,900.35
11050017	A7-CURL-4G	M-02	\$3,630.93
11050019	A8-CURL-4	M-02	\$0.34
12020002	1000-GRO	M-02	\$3.30
12290031	400-GRO	M-02	\$0.52
12290032	700-GRO	M-02	\$0.86
12291066	32-DRAMM GR	M-02	\$0.49
11990610	LLPD-20B	M-03	\$8.16
11990616	LLPD-16B	M-03	\$8.16
11990617	LLPD-17B	M-03	\$8.16
12030064	FHC-06-PLUG	M-03	\$1.46
12040091	TPA-P	M-03	\$0.70
12290034	MP-1	M-03	\$0.05
12290035	MP-400	M-03	\$0.60
12290036	MP-400-GRO	M-03	\$0.65
12290037	MP-700	M-03	\$0.98
12500398	HP25	M-03	\$0.13
72500397	GP24	M-03	\$0.12
72501963	PASV77H	M-03	\$3.85
12060008	FCH-2H	M-04	\$34.04
12060010	FCH-2L	M-04	\$34.04
12060034	FCH-H-FHT	M-04	\$1.39
12060035	FCH-H-FIPT	M-04	\$1.39
12060036	FCH-L-FHT	M-04	\$1.39
12060037	FCH-L-FIPT	M-04	\$1.39
12060701	LFV-50NPT	M-04	\$6.93
12060716	LFV-16B	M-04	\$6.93
12060717	LFV-17B	M-04	\$6.93
12060720	LFV-20B	M-04	\$6.93
12060727	LFV-17T	M-04	\$6.93
12040073	3/4" FHT Cap	M-06	\$0.57

Part #	Model #	Page	Price
12290014	3/4" HW	M-06	\$0.19
12290015	3/4" SW	M-06	\$0.46
12291037	A16H	M-06	\$0.18
12291039	A20H	M-06	\$0.19
12291040	A25H	M-06	\$0.49
12291041	A32H	M-06	\$0.56
12291064	A18H	M-06	\$0.18
12292023	52-18CLP	M-06	\$0.18
12292024	A18HB	M-06	\$0.17
12501238	600C	M-06	\$0.83
12290017	600-AP8	M-07	\$0.23
12290018	700-AP8	M-07	\$0.29
12290045	S-5	M-07	\$0.30
12290115	800-AP8	M-07	\$0.35
12290116	900-AP8	M-07	\$0.47
12290117	1000-AP8	M-07	\$0.97
72015046	RSTAKE	M-07	\$0.83
72290018	700-AP8	M-07	\$0.29
72290042	S-2	M-07	\$0.36
72290043	S-3	M-07	\$0.25
72290044	S-4	M-07	\$0.59
72500527	S-7	M-07	\$0.26
72500807	PCS12	M-07	\$0.66
72500937	PS08	M-07	\$0.28
12290020	AP-1	M-08	\$0.15
12290021	AP-2	M-08	\$0.05
12290022	AP-3	M-08	\$0.19
12290023	AP-4	M-08	\$0.04
12290024	AP-5	M-08	\$0.28
12290027	AP-8	M-08	\$0.09
12290028	AP-H	M-08	\$19.63
12290250	BUR-STK-47	M-08	\$1.18
12501132	MS-12DR	M-08	\$0.89
17097907	STAKE-31R	M-08	\$1.08
17097908	STAKE-31B	M-08	\$1.08
17097917	STAKE-34R	M-08	\$1.15
17097947	STAKE-37R	M-08	\$1.17
71240003	FSTT-500	M-09	\$239.51
71240005	FSTT-50	M-09	\$368.09

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72500465	PC185	M-09	\$0.15
72500466	PC250	M-09	\$0.18
72500468	PC710	M-09	\$0.50
12071003	AP	M-10	\$8.01
12071005	AP012	M-10	\$17.14
12071006	AP025	M-10	\$17.14
12071008	AP030	M-10	\$17.14
12071009	AP036	M-10	\$17.14
12071012	APT012	M-10	\$7.81
12071013	APT025	M-10	\$7.81
12071014	APT030	M-10	\$7.81
12071017	APT036	M-10	\$7.81
12071019	APT070	M-10	\$7.81
12071025	AP070	M-10	\$17.14
12501090	HPT125	M-10	\$4.28
72500491	PQP125	M-10	\$5.24
72501091	PKP160	M-10	\$1.02
72501092	RP	M-10	\$5.48
12070065	PP-400	M-11	\$42.99
12070032	DP-400S	M-11	\$57.32
12070033	DP-420	M-11	\$16.57
12070006	ACG	M-13	\$30.32
12070010	AP-G	M-13	\$24.77
12070012	AP-H-1	M-11	\$34.87
12070013	AP-H-2	M-11	\$40.99
12070014	APS-1/8	M-13	\$3.38
12070037	DP-700	M-11	\$60.44
12070038	DP-700I	M-11	\$39.61
12070054	LFP-1	M-12	\$128.53
12070055	LFP-LS-1	M-12	\$132.24
12070062	DP-700-KIT	M-11	\$100.05
12070068	400-DRILL	M-11	\$158.19
12070069	700-DRILL	M-11	\$175.50
12070070	1000-DRILL	M-11	\$323.80
12070071	AS DRILL	M-11	\$202.68
12070317	DG-60	M-13	\$8.67
12070318	DG-100	M-13	\$8.67
12070319	DG-160	M-13	\$8.67

Part #	Model #	Page	Price
12070320	DG-200	M-13	\$8.67
12070326	LFG-30	M-13	\$26.53
12070328	LFG-60	M-13	\$26.53
12070330	LFG-160	M-13	\$26.53
12070332	LFG-200	M-13	\$26.53
12070347	LFG-100	M-13	\$26.53
12071027	ABIT14	M-11	\$174.26
12071032	AMP2	M-12	\$24.72
12071033	AMP3	M-12	\$24.72
12071034	AMP4	M-12	\$24.72
12071035	AMPRT3	M-12	\$15.00
12071036	AMPRT4	M-12	\$19.09
12071053	AMIT	M-12	\$77.23
12071054	AMPRT2	M-12	\$15.00
12071057	AMPIA	M-12	\$3.25
12291060	APPT	M-11	\$5.67
12501231	PVK-30	M-13	\$182.91
13180129	APS-1/4	M-13	\$3.98
17097785	PP-47	M-11	\$20.36
72015085	DP-M	M-11	\$1.30

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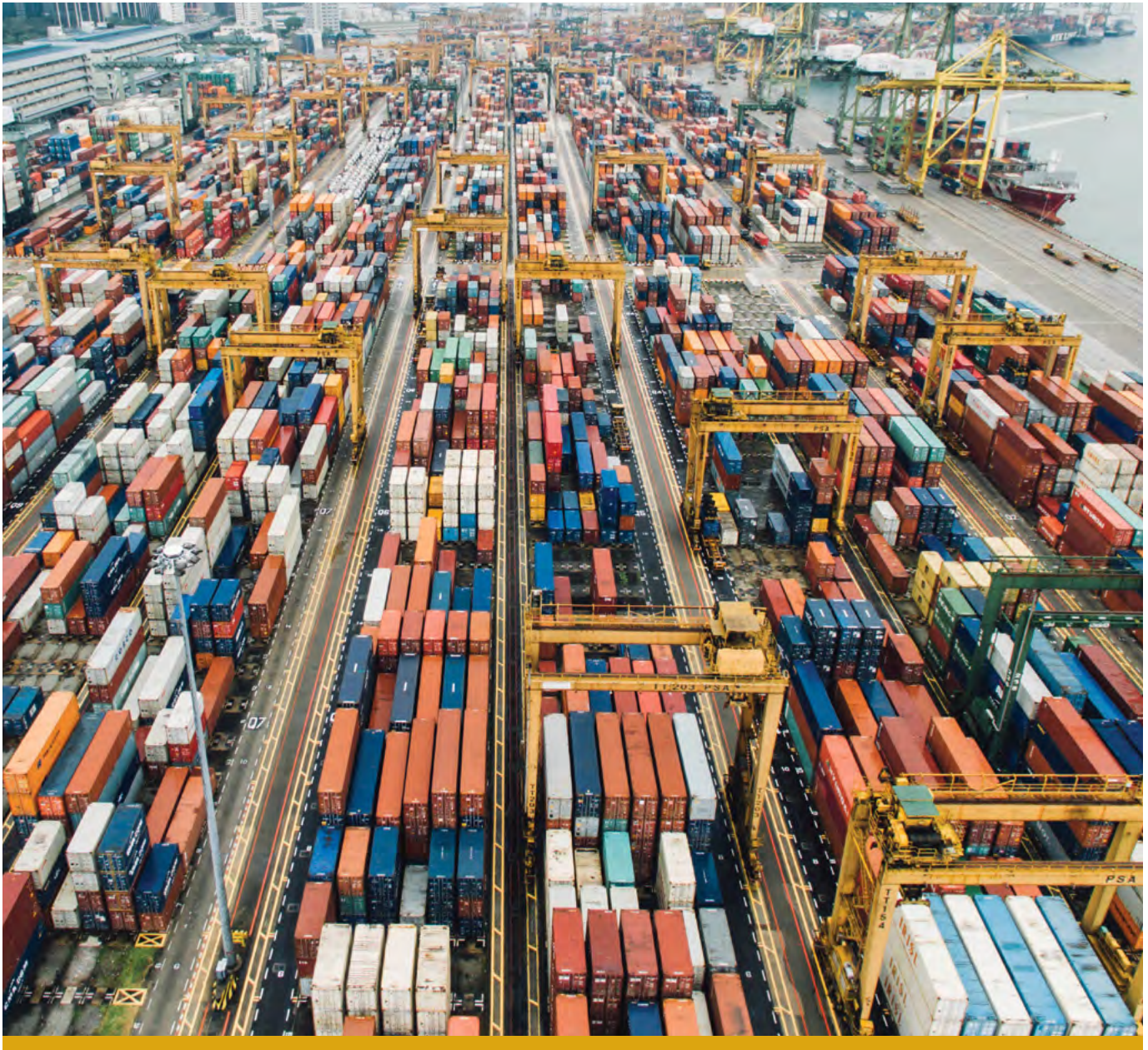
Page	Model #	Part #	Price
M-02	A5-CURL-3	11050003	\$0.14
M-02	A5-CURL-4	11050004	\$0.17
M-02	A6-CURL-3	11050005	\$0.17
M-02	A6-CURL-4	11050006	\$0.20
M-02	A7-CURL-4	11050008	\$0.22
M-02	A5-CURL-3G	11050013	\$4,436.71
M-02	A5-CURL-4G	11050014	\$3,782.94
M-02	A6-CURL-3G	11050015	\$3,782.94
M-02	A6-CURL-4G	11050016	\$3,900.35
M-02	A7-CURL-4G	11050017	\$3,630.93
M-02	A8-CURL-4	11050019	\$0.34
M-02	1000-GRO	12020002	\$3.30
M-02	400-GRO	12290031	\$0.52
M-02	700-GRO	12290032	\$0.86
M-02	32-DRAMM GR	12291066	\$0.49
M-03	LLPD-20B	11990610	\$8.16
M-03	LLPD-16B	11990616	\$8.16
M-03	LLPD-17B	11990617	\$8.16
M-03	FHC-06-PLUG	12030064	\$1.46
M-03	TPA-P	12040091	\$0.70
M-03	MP-1	12290034	\$0.05
M-03	MP-400	12290035	\$0.60
M-03	MP-400-GRO	12290036	\$0.65
M-03	MP-700	12290037	\$0.98
M-03	HP25	12500398	\$0.13
M-03	GP24	72500397	\$0.12
M-03	PASV77H	72501963	\$3.85
M-04	FCH-2H	12060008	\$34.04
M-04	FCH-2L	12060010	\$34.04
M-04	FCH-H-FHT	12060034	\$1.39
M-04	FCH-H-FIPT	12060035	\$1.39
M-04	FCH-L-FHT	12060036	\$1.39
M-04	FCH-L-FIPT	12060037	\$1.39
M-04	LFV-50NPT	12060701	\$6.93
M-04	LFV-16B	12060716	\$6.93
M-04	LFV-17B	12060717	\$6.93
M-04	LFV-20B	12060720	\$6.93
M-04	LFV-17T	12060727	\$6.93
M-06	3/4" FHT Cap	12040073	\$0.57

Page	Model #	Part #	Price
M-06	3/4" HW	12290014	\$0.19
M-06	3/4" SW	12290015	\$0.46
M-06	A16H	12291037	\$0.18
M-06	A20H	12291039	\$0.19
M-06	A25H	12291040	\$0.49
M-06	A32H	12291041	\$0.56
M-06	A18H	12291064	\$0.18
M-06	52-18CLP	12292023	\$0.18
M-06	A18HB	12292024	\$0.17
M-06	600C	12501238	\$0.83
M-07	600-AP8	12290017	\$0.23
M-07	700-AP8	12290018	\$0.29
M-07	S-5	12290045	\$0.30
M-07	800-AP8	12290115	\$0.35
M-07	900-AP8	12290116	\$0.47
M-07	1000-AP8	12290117	\$0.97
M-07	RSTAKE	72015046	\$0.83
M-07	700-AP8	72290018	\$0.29
M-07	S-2	72290042	\$0.36
M-07	S-3	72290043	\$0.25
M-07	S-4	72290044	\$0.59
M-07	S-7	72500527	\$0.26
M-07	PCS12	72500807	\$0.66
M-07	PS08	72500937	\$0.28
M-08	AP-1	12290020	\$0.15
M-08	AP-2	12290021	\$0.05
M-08	AP-3	12290022	\$0.19
M-08	AP-4	12290023	\$0.04
M-08	AP-5	12290024	\$0.28
M-08	AP-8	12290027	\$0.09
M-08	AP-H	12290028	\$19.63
M-08	BUR-STK-47	12290250	\$1.18
M-08	MS-12DR	12501132	\$0.89
M-08	STAKE-31R	17097907	\$1.08
M-08	STAKE-31B	17097908	\$1.08
M-08	STAKE-34R	17097917	\$1.15
M-08	STAKE-37R	17097947	\$1.17
M-09	FSTT-500	71240003	\$239.51
M-09	FSTT-50	71240005	\$368.09

Page	Model #	Part #	Price
M-09	PC185	72500465	\$0.15
M-09	PC250	72500466	\$0.18
M-09	PC710	72500468	\$0.50
M-10	AP	12071003	\$8.01
M-10	AP012	12071005	\$17.14
M-10	AP025	12071006	\$17.14
M-10	AP030	12071008	\$17.14
M-10	AP036	12071009	\$17.14
M-10	APT012	12071012	\$7.81
M-10	APT025	12071013	\$7.81
M-10	APT030	12071014	\$7.81
M-10	APT036	12071017	\$7.81
M-10	APT070	12071019	\$7.81
M-10	AP070	12071025	\$17.14
M-10	HPT125	12501090	\$4.28
M-10	PQP125	72500491	\$5.24
M-10	PKP160	72501091	\$1.02
M-10	RP	72501092	\$5.48
M-11	PP-400	12070065	\$42.99
M-11	DP-400S	12070032	\$57.32
M-11	DP-420	12070033	\$16.57
M-11	DP-700	12070037	\$60.44
M-11	DP-700I	12070038	\$39.61
M-11	DP-700-KIT	12070062	\$100.05
M-11	DP-M	72015085	\$1.30
M-11	APPT	12291060	\$5.67
M-11	PP-47	17097785	\$20.36
M-11	AP-H-1	12070012	\$34.87
M-11	AP-H-2	12070013	\$40.99
M-11	400-DRILL	12070068	\$158.19
M-11	700-DRILL	12070069	\$175.50
M-11	1000-DRILL	12070070	\$323.80
M-11	AS DRILL	12070071	\$202.68
M-11	ABIT14	12071027	\$174.26
M-12	LFP-1	12070054	\$128.53
M-12	LFP-LS-1	12070055	\$132.24
M-12	AMP2	12071032	\$24.72
M-12	AMP3	12071033	\$24.72

Page	Model #	Part #	Price
M-12	AMP4	12071034	\$24.72
M-12	AMPRT2	12071054	\$15.00
M-12	AMPRT3	12071035	\$15.00
M-12	AMPRT4	12071036	\$19.09
M-12	AMPIA	12071057	\$3.25
M-12	AMIT	12071053	\$77.23
M-13	ACG	12070006	\$30.32
M-13	APS-1/8	12070014	\$3.38
M-13	APS-1/4	13180129	\$3.98
M-13	PVK-30	12501231	\$182.91
M-13	AP-G	12070010	\$24.77
M-13	LFG-30	12070326	\$26.53
M-13	LFG-60	12070328	\$26.53
M-13	LFG-100	12070347	\$26.53
M-13	LFG-160	12070330	\$26.53
M-13	LFG-200	12070332	\$26.53
M-13	DG-60	12070317	\$8.67
M-13	DG-100	12070318	\$8.67
M-13	DG-160	12070319	\$8.67
M-13	DG-200	12070320	\$8.67





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- N-02** Valve Shipping Information
- N-03** Carton Codes
- N-04** Technical Information

## Valve Shipping Information

New Model	Old Model	PN (L)	PN (h)	Wt (lbs)	Length (in)	Width (in)	Height (in)	
NDJ	V007T	EV-075-FC	na	0.75	4.30	3.20	4.20	
NDJ	V010T	EV-010-FC	na	0.75	4.30	3.20	5.00	
NDJ	V015T	EV-015-FC	na	1.65	6.30	5.00	7.10	
NDJ	V020T	EV-020-FC	na	1.75	6.70	5.00	7.50	
JHV	P015T-	1.5PTH	14100009	na	1.50	7.30	4.90	4.10
JHV	P020T-	2PTH	14100010	na	1.80	7.60	4.90	4.30
JHV	P030T-	3PTH	14100025	na	3.10	9.40	6.30	6.00
JHV	P040T-	4PTH	14100027	na	10.10	12.60	9.90	7.50
JHV	P030G-	3PGR	14100026	na	3.10	8.70	6.30	5.90
JHV	P040G-	4PGR	14100200	na	9.90	12.40	9.90	7.50
JHV	P040F-	4PFL	14100033	na	16.80	19.80	9.90	9.20
JHV	C010T-	1CIT	14101008	14101021	3.30	6.14	3.70	2.76
JHV	C015T-	1.5CIT	14101009	14101023	4.40	6.26	3.78	3.15
JHV	C020T-	2CIT	14101000	14100120	7.70	7.48	4.92	3.94
JHV	C323T-	323CIT	14101010		11.00	9.06	4.92	4.92
JHV	C030T-	3CIT		14101020	24.20	11.42	7.87	5.43
JHV	C040T-	4CIT		14101030	36.30	13.62	9.06	8.66
JHV	C020G-	2CIG	14101101	11401103	6.60	7.48	4.92	3.94
JHV	C323G	323CIG	14101102	14101056	10.56	9.06	4.92	4.92
JHV	C030G-	3CIG		14101110	23.76	11.42	7.87	5.43
JHV	C040G-	4CIG		14101120	39.60	13.62	9.06	8.66
JHV	C060G-	6CIG		14101122	72.60	16.22	11.81	9.49
JHV	C020F-	2CIF	14101055	14101056	17.38	7.48	6.50	6.26
JHV	C323F-	323CIF	14101047	14101048	24.20	9.06	7.87	6.89
JHV	C030F-	3CIF	14101040	14101025	38.50	11.14	7.87	7.87
JHV	C040F-	4CIF		14101050	57.20	12.01	9.06	8.66
JHV	C060F-	6CIF		14101060	101.20	15.98	11.81	11.61
JHV	C080F-	8CIF		14101070	148.50	18.50	13.94	15.08
JHV	C100F-	10CIF		14101080	244.20	25.00	18.27	16.93
JHV	C120F-	12CIF		14101092	332.20	29.49	18.90	18.66
JHV	A020T-	2CIATH	14101090	14101006	9.24	3.54	4.92	5.91
JHV	A323T-	323CIATH	14101017	14101016	10.78	4.33	4.92	5.75
JHV	A030T-	3CIATH	14101027	14101026	26.40	5.83	7.87	8.07
JHV	A040T-	4CIATH	14101091	14101093	34.98	5.91	9.06	8.94
JHV	A020G-	2CIAG		14101106	8.80	3.54	4.92	5.91
JHV	A323G	323CIAG	14101101	14101116	10.34	4.33	4.92	5.75
JHV	A030G-	3CIAG	14101107	14101117	24.20	5.83	7.87	8.07
JHV	A040G-	4CIAG	14101108	14101118	34.32	5.91	9.06	8.94
JHV	A060G-	6CIAG	14101109	14101119	70.40	8.11	11.81	12.48
JHV	A020F-	2CIAF			17.82	4.41	6.50	0.32
JHV	A323F-	323CIAF			26.40	5.51	7.87	0.47
JHV	A030F-	3CIAF	14101057	14101041	41.80	6.06	7.87	0.75
JHV	A040F-	4CIAF	14101058	14101051	58.30	6.97	9.06	1.04
JHV	A060F-	6CIAF	14101069		107.14	8.58	11.81	1.92
JHV	A080F-	8CIAF	14101071		137.50	8.86	13.94	2.46

## Carton Codes

Carton Code	Carton Dimensions L X W X H (in)	Carton Cube (ft <sup>3</sup> )	Stock Code	Stock Item
A	20 x 12 x 12	1.67	MTO	Made to Order
B	8 x 6 x 6	0.17	Blank	Regular Stocked Item
C	13 x 9 x 7	0.47		
D	20 x 20 x 10	2.31		
E	12 x 9 x 7	0.44		
F	14 x 12 x 9	0.88		
G	15 x 6 x 9	0.47		
H	36 x 12 x 12	3.00		
J	14 x 14 x 7	0.79		
K	14 x 14 x 8	0.91		
L	12 x 12 x 12	1.00		
M	16 x 16 x 10	1.48		
N	16 x 16 x 16	2.37		
O	11 x 11 x 11	0.77		
P	46 x 34 x 46	41.63		
Q	27 x 10 x 20	3.13		
R	47 x 36 x 16	15.67		
S	38 x 12 x 26	6.86		
T	17 x 17 x 40	6.69		
U	60 x 36 x 22	27.50		
W	15 x 13 x 9	1.02		
X	15 x 13 x 9	1.47		
Y	22 x 11 x 7	0.98		
Z	22 x 11 x 10	1.40		

# 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	0.78	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										

# 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 purchase to the time period listed in the table below.

## Limited Warranties—Manufacturing Defects

Product	Wall Thickness (WT) or Other	Materials & Workmanship	Environmental Stress Cracking Surface Installation	Environmental Stress Cracking Sub-Surface Installation
Polyethylene Tubing	WT > 0.035"	5 years	10 years	10 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	10 years	10 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.
- 6) Prorated Warranty Years 1 = 100%, Year 2 = 80%, Year 3 = 60%, Year 4 = 40%, Year 5 = 20%.

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 extent 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:

A \$200.00 Net minimum order is required for any current Dealer Discount.

##### 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](http://www.jainsusa.com)

**Jain Customer Service**

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