



JAIN[®]
LANDSCAPE



Landscape Catalog 2011

We Put Service at the Top of Our Product List



A comprehensive product catalog is just the start of your experience with Jain Irrigation. Our commitment to helping you get the most from our knowledge and products is what defines our approach to landscape irrigation.

We also know that you need solutions that are easy to specify, install, and maintain. Our designs reflect the input of specifiers and users from a wide range of applications. To meet the needs of a changing world we're accessible to our customers at a level not common in this industry.

Call us with your questions, concerns and suggestions. We're always interested in what you have to say about our products and services. We have added a dedicated 800-531-3579 landscape number to better serve you.

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Emitterlines

Total CV and PC Dripline

Applications:

- Irregular and narrow landscape areas
- High traffic and high liability areas
- Areas subject to vandalism
- Shrubs, trees, and turf
- High wind areas
- Sloping areas where run-off is a concern
- At-grade applications to prevent staining
- Subsurface or above grade installations

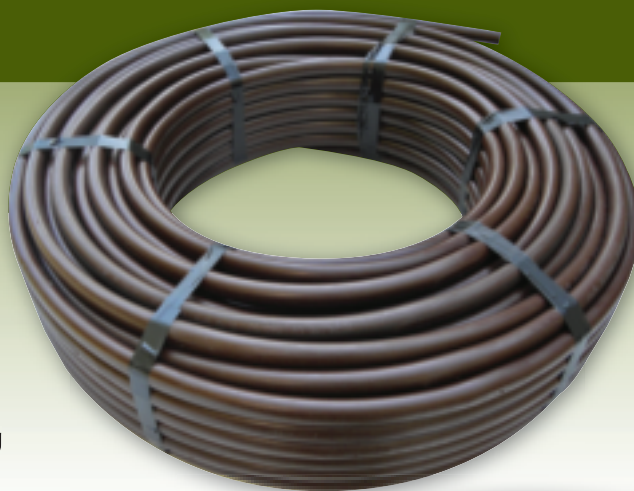
Features/Benefits:

General

- Innovative pressure-compensating dripline based on Cascade Labyrinth Technology (CLT), non-drainage dripline with check valve option
- Patented Cascade Labyrinth Technology (CLT) reduces the chances and incidence of dripper clogging
- Raised emitter inlet prevents particulate from entering
- Pressure Compensating - all drippers deliver equal flow
- Continuous self-cleaning design resists plugging - materials that can clog the drippers are flushed throughout operation, not just at the beginning or end of an irrigation cycle
- Single hole dripper outlet from tubing - better protection against root intrusion
- Available in four sizes for flexibility; 16mm, 17mm, 600 x 700 and 18mm
- Four flow rates to fill a variety of applications
- Flexible tubing for easy installation
- Multiple spacings including 12", 18" and 24"
- UV, chemical, and fertilizer resistant
- Large filtration area providing continuous water flow
- Delivers precise water application directly to the root zone
- Rolls labeled to indicate flow rate and spacing

CV Model

- Each dripper has a 3.7 psi check valve, all drippers turn on and off at the same time
- Physical root barrier
- No flooded low drainage areas - water does not drain out of low drippers
- No air/vacuum relief valves required
- Simple to design in applications where slope is an issue



Emitterlines

Total CV and PC Dripline

Specifications:

General Specifications

- Pressure Compensation Range: 15 to 60 PSI
- Filter Requirement: 120 mesh
- Emitter Spacings: 12", 18" and 24"
- Minimum Pressure Required: 15 PSI
- Maximum Recommended System Pressure: 60 PSI
- Coil Length: 100', 250', 500', and 1,000'

16mm Total CV

- Flow Rates: .29, .40, .58, and 1.0 GPH
- Tubing Size: .640" OD x .550" ID

17mm Total CV

- Flow Rates: .29, .40, .58, and 1.0 GPH
- Tubing Size: .660" OD x .560" ID

600 x 700 Total CV

- Flow Rates: .58 and 1.0 GPH
- Tubing Size: .700" OD x .600" ID

18mm Total CV

- Flow Rates: .58 and 1.0 GPH
- Tubing Size: .710" OD x .620" ID

CV Model

- Opening pressure: 15 PSI
- Closing pressure: 3.7 PSI

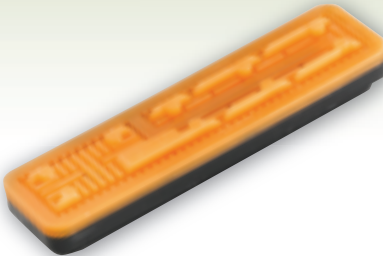
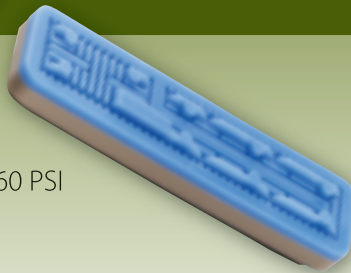
Materials:

Tubing Materials: Linear low-density polyethylene

Emitter Materials:

Body: Medium density polyethylene

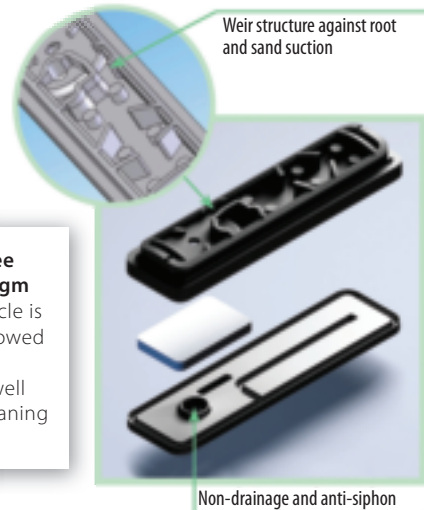
Diaphragm: Silicone



View and Operation of the Total Emitter



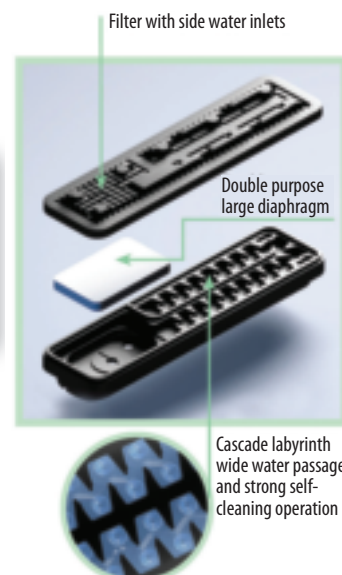
Upper View



Self-Flushing Free Floating Diaphragm

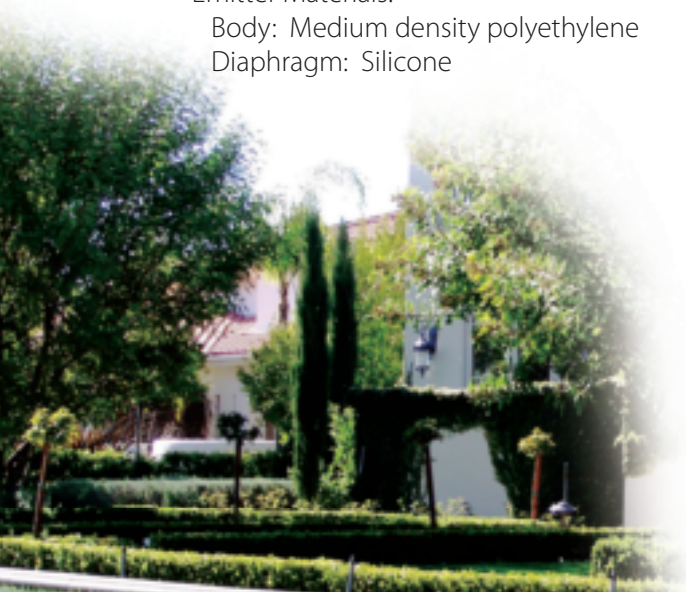
Every irrigation cycle is preceded and followed by an automatic flushing cycle as well as on-demand cleaning during operation

Bottom View



Pressure Compensating Chamber

Provides a constant discharge over a wide pressure range



Emitterlines

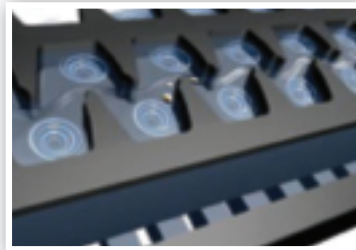
Total CV and PC Dripline

Cascade Technology Significantly Improves Clogging Resistance



The special shape of the teeth in the labyrinth creates a high velocity flow path as well as unique turbulence between the teeth.

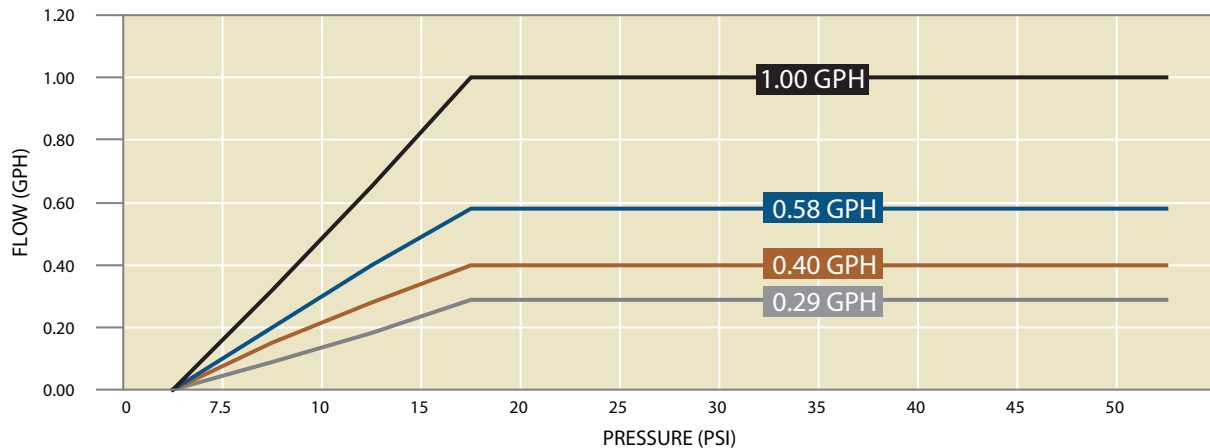
Wide Water Passages with Strong Self-Cleaning Operation



The area between the teeth is constantly cleaning itself and throwing any debris that has entered the flow path toward the high velocity stream.

This self-cleaning mechanism ensures very high clogging resistance.

Total CV Dripper Flow Rate vs. Pressure



Emitterlines

Total CV and PC Dripline

Total CV Dripline Specifying Information

	CV	XX	X	-	XX	-	XX	X
	Working Mode	Tubing Size	Flow Rate	Spacing	Coil Length	Tubing Color		
CV - Check Valve		16-16mm	29-.29 GPH	12-12"	10-100'	No Letter-Black		
		17-17mm	40-.40 GPH	18-18"	25-250'	B-Brown		
		67-600x700	58-.58 GPH	24-24"	50-500'	P-Purple		
		18-18mm	10-1.0 GPH		100-1,000'			

CV 17 10 - 12 - 50 B

Example: A coil of 17mm pressure compensating dripline with check valve 1.0 gph emitters spaced at 12" in a 500' coil of brown tubing would have the following model number: CV1710-12-50B

Total PC Dripline Specifying Information

	PC	XX	X	-	XX	-	XX	X
	Working Mode	Tubing Size	Flow Rate	Spacing	Coil Length	Tubing Color		
PC - Total PC		16-16mm	40-.40 GPH	12-12"	10-100'	No Letter-Black		
		17-17mm	58-.58 GPH	18-18"	25-250'	B-Brown		
		67-600x700	10 - 1.0 GPH	24-24"	50-500'	P-Purple		
		18-18mm			100-1,000'			

PC 16 10 - 12 - 50 B

Example: A coil of 16mm pressure compensating dripline 1.0 gph emitters spaced at 12" on a 500' coil of brown tubing would have the following model number: PC1610-12-50B



Emitterlines

Total CV - Length of Run Tables

Total CV 16mm Maximum Length of Run (feet)

Dripper Spacing		12"				18"				24"			
Dripper Flow Rate (GPH)		0.29	0.40	0.58	1.00	0.29	0.40	0.58	1.00	0.29	0.40	0.58	1.00
Inlet Pressure (PSI)	20	280	228	180	127	397	324	256	181	505	411	325	229
	25	360	294	232	164	511	417	329	232	650	529	418	295
	35	464	378	298	211	658	536	423	299	836	681	538	380
	45	538	438	346	244	763	621	491	347	969	790	623	440

Minimum acceptable pressure is 15 PSI

Total CV 17mm Maximum Length of Run (feet)

Dripper Spacing		12"				18"				24"			
Dripper Flow Rate (GPH)		0.29	0.40	0.58	1.00	0.29	0.40	0.58	1.00	0.29	0.40	0.58	1.00
Inlet Pressure (PSI)	20	289	235	186	131	410	334	264	186	521	424	335	237
	25	431	303	239	169	611	430	339	240	777	546	431	305
	35	519	390	308	218	736	553	437	309	935	703	555	392
	45	587	452	357	252	832	641	506	358	1057	815	643	454

Minimum acceptable pressure is 15 PSI

Total CV 18mm Maximum Length of Run (feet)

Dripper Spacing		12"				18"				24"			
Dripper Flow Rate (GPH)		0.29	0.40	0.58	1.00	0.29	0.40	0.58	1.00	0.29	0.40	0.58	1.00
Inlet Pressure (PSI)	20	345	281	222	157	489	398	314	222	621	506	399	382
	25	514	361	285	202	729	513	405	286	926	651	514	363
	35	619	465	367	259	878	660	521	368	1115	838	661	467
	45	700	539	425	301	992	764	603	427	1261	971	767	542

Minimum acceptable pressure is 15 PSI

Total CV 600 x 700 Maximum Length of Run (feet)

Dripper Spacing		12"				18"				24"			
Dripper Flow Rate (GPH)		0.29	0.40	0.58	1.00	0.29	0.40	0.58	1.00	0.29	0.40	0.58	1.00
Inlet Pressure (PSI)	20	326	265	209	148	462	376	297	210	587	478	377	267
	25	419	341	269	190	594	484	382	270	755	615	486	343
	35	539	439	347	245	765	623	492	348	972	792	625	442
	45	625	509	402	284	887	722	570	403	1126	918	724	512

Minimum acceptable pressure is 15 PSI

Emitterlines

Total CV - Ordering Information

16mm Brown CV					
Flow Rate	Dripper Spacing	Coil Length	Pallet Qty	Model #	Part #
.29 GPH	12"	100'	60	CV1629-12-10B	71590001
		250'	48	CV1629-12-25B	71590004
		500'	24	CV1629-12-50B	71590007
		1,000'	14	CV1629-12-100B	71590010
.29 GPH	18"	100'	60	CV1629-18-10B	71590013
		250'	48	CV1629-18-25B	71590016
		500'	24	CV1629-18-50B	71590019
		1,000'	14	CV1629-18-100B	71590022
.40 GPH	12"	100'	60	CV1640-12-10B	71590101
		250'	48	CV1640-12-25B	71590104
		500'	24	CV1640-12-50B	71590107
		1,000'	14	CV1640-12-100B	71590110
.40 GPH	18"	100'	60	CV1640-18-10B	71590113
		250'	48	CV1640-18-25B	71590116
		500'	24	CV1640-18-50B	71590119
		1,000'	14	CV1640-18-100B	71590122
.58 GPH	12"	100'	60	CV1658-12-10B	71590201
		250'	48	CV1658-12-25B	71590204
		500'	24	CV1658-12-50B	71590207
		1,000'	14	CV1658-12-100B	71590210
.58 GPH	18"	100'	60	CV1658-18-10B	71590213
		250'	48	CV1658-18-25B	71590216
		500'	24	CV1658-18-50B	71590219
		1,000'	14	CV1658-18-100B	71590222
.58 GPH	24"	100'	60	CV1658-24-10B	71590225
		250'	48	CV1658-24-25B	71590228
		500'	24	CV1658-24-50B	71590231
		1,000'	14	CV1658-24-100	71590234
1.0 GPH	12"	100'	60	CV1610-12-10B	71590201
		250'	48	CV1610-12-25B	71590204
		500'	24	CV1610-12-50B	71590207
		1,000'	14	CV1610-12-100B	71590210
1.0 GPH	18"	100'	60	CV1610-18-10B	71590213
		250'	48	CV1610-18-25B	71590216
		500'	24	CV1610-18-50B	71590219
		1,000'	14	CV1610-18-100B	71590222
1.0 GPH	24"	100'	60	CV1610-24-10B	71590225
		250'	48	CV1610-24-25B	71590228
		500'	24	CV1610-24-50B	71590231
		1,000'	14	CV1610-24-100B	71590234

Emitterlines

Total CV - Ordering Information

17mm Brown CV

Flow Rate	Dripper Spacing	Coil Length	Pallet Qty	Model #	Part #
.29 GPH	12"	100'	60	CV1729-12-10B	71591001
		250'	48	CV1729-12-25B	71591004
		500'	24	CV1729-12-50B	71591007
		1,000'	14	CV1729-12-100B	71591010
.29 GPH	18"	100'	60	CV1729-18-10B	71591013
		250'	48	CV1729-18-25B	71591016
		500'	24	CV1729-18-50B	71591019
		1,000'	14	CV1729-18-100B	71591022
.40 GPH	12"	100'	60	CV1740-12-10B	71591101
		250'	48	CV1740-12-25B	71591104
		500'	24	CV1740-12-50B	71591107
		1,000'	14	CV1740-12-100B	71591110
.40 GPH	18"	100'	60	CV1740-18-10B	71591113
		250'	48	CV1740-18-25B	71591116
		500'	24	CV1740-18-50B	71591119
		1,000'	14	CV1740-18-100B	71591122
.58 GPH	12"	100'	60	CV1758-12-10B	71591201
		250'	48	CV1758-12-25B	71591204
		500'	24	CV1758-12-50B	71591207
		1,000'	14	CV1758-12-100B	71591210
.58 GPH	18"	100'	60	CV1758-18-10B	71591213
		250'	48	CV1758-18-25B	71591216
		500'	24	CV1758-18-50B	71591219
		1,000'	14	CV1758-18-100B	71591222
.58 GPH	24"	100'	60	CV1758-24-10B	71591225
		250'	48	CV1758-24-25B	71591228
		500'	24	CV1758-24-50B	71591231
		1,000'	14	CV1758-24-100	71591234
1.0 GPH	12"	100'	60	CV1710-12-10B	71591201
		250'	48	CV1710-12-25B	71591204
		500'	24	CV1710-12-50B	71591207
		1,000'	14	CV1710-12-100B	71591210
1.0 GPH	18"	100'	60	CV1710-18-10B	71591213
		250'	48	CV1710-18-25B	71591216
		500'	24	CV1710-18-50B	71591219
		1,000'	14	CV1710-18-100B	71591222
1.0 GPH	24"	100'	60	CV1710-24-10B	71591225
		250'	48	CV1710-24-25B	71591228
		500'	24	CV1710-24-50B	71591231
		1,000'	14	CV1710-24-100B	71591234

Emitterlines

Total CV - General Watering Guidelines

	Annuals and Groundcover			Large Bushes, Shrub Beds, Perennials		
	Sand	Loam	Clay	Sand	Loam	Clay
Dripper Flow	1.0 GPH	0.55 GPH	0.43 GPH	1.0 GPH	0.55 GPH	0.43 GPH
Dripper Spacing	12"	18"	18"	12"	18"	18"
Row Spacing	12" - 15"	15" to 18"	18" - 24"	15" to 18"	18" - 24"	18" - 24"
Application Rate (inch/hour)	1.28 - 1.60	.39 - .47	.23 - .31	1.07 - 1.28	.29 - .39	.23 - .31
Time to Apply 1/4" of Water (minutes)	9 - 12	32 - 39	48 - 65	9 - 14	39 - 52	48 - 65

Ordering Information

18mm Brown CV

Flow Rate	Dripper Spacing	Coil Length	Pallet Qty	Model #	Part #
.58 GPH	12"	100'	60	CV1858-12-10B	71593201
		250'	48	CV1858-12-25B	71593204
		500'	24	CV1858-12-50B	71593207
		1,000'	14	CV1858-12-100B	71593210
.58 GPH	18"	100'	60	CV1858-18-10B	71593213
		250'	48	CV1858-18-25B	71593216
		500'	24	CV1858-18-50B	71593219
		1,000'	14	CV1858-18-100B	71593222
.58 GPH	24"	100'	60	CV1858-24-10B	71593225
		250'	48	CV1858-24-25B	71593228
		500'	24	CV1858-24-50B	71593231
		1,000'	14	CV1858-24-100B	71593234
1.0 GPH	12"	100'	60	CV1810-12-10B	71593301
		250'	48	CV1810-12-25B	71593304
		500'	24	CV1810-12-50B	71593307
		1,000'	14	CV1810-12-100B	71593310
1.0 GPH	18"	100'	60	CV1810-18-10B	71593313
		250'	48	CV1810-18-25B	71593316
		500'	24	CV1810-18-50B	71593319
		1,000'	14	CV1810-18-100B	71593322
1.0 GPH	24"	100'	60	CV1810-24-10B	71593325
		250'	48	CV1810-24-25B	71593328
		500'	24	CV1810-24-50B	71593331
		1,000'	14	CV1810-24-100B	71593334

Emitterlines

Total CV - General Watering Guidelines

Type of Plant	Watering Time	Irrigation Frequency (Days)		
		Hot	Warm	Cool
Flowers, Vegetables	1 - 3 Hours	1 - 2	3	3 - 4
Small Trees, Shrubs	2 - 5 Hours	1 - 2	2 - 3	3 - 4
Vines	3 - 6 Hours	1 - 2	2 - 3	3 - 4
Medium Trees, Shrubs	5 - 7 Hours	1 - 2	2 - 3	3 - 4
Large Trees, Shrubs	6 - 8 Hours	1 - 2	2 - 3	3 - 4
Pots up to 15"	10 - 15 Mins	1 - 2	2 - 3	3 - 4
Pots over 15"	15 - 20 Mins	2 - 3	2 - 3	4 - 5

Ordering Information

600 x 700 Brown CV

Flow Rate	Dripper Spacing	Coil Length	Pallet Qty	Model #	Part #
.58 GPH	12"	100'	60	CV6758-12-10B	71592201
		250'	48	CV6758-12-25B	71592204
		500'	24	CV6758-12-50B	71592207
		1,000'	14	CV6758-12-100B	71592210
.58 GPH	18"	100'	60	CV6758-18-10B	71592213
		250'	48	CV6758-18-25B	71592216
		500'	24	CV6758-18-50B	71592219
		1,000'	14	CV6758-18-100B	71592222
.58 GPH	24"	100'	60	CV6758-24-10B	71592225
		250'	48	CV6758-24-25B	71592228
		500'	24	CV6758-24-50B	71592231
		1,000'	14	CV6758-24-100B	71592234
1.0 GPH	12"	100'	60	CV6710-12-10B	71592201
		250'	48	CV6710-12-25B	71592204
		500'	24	CV6710-12-50B	71592207
		1,000'	14	CV6710-12-100B	71592210
1.0 GPH	18"	100'	60	CV6710-18-10B	71592213
		250'	48	CV6710-18-25B	71592216
		500'	24	CV6710-18-50B	71592219
		1,000'	14	CV6710-18-100B	71592222
1.0 GPH	24"	100'	60	CV6710-24-10B	71592225
		250'	48	CV6710-24-25B	71592228
		500'	24	CV6710-24-50B	71592231
		1,000'	14	CV6710-24-100B	71592234

Emitterlines

Total PC - Length of Run Tables

Total PC 16mm Maximum Length of Run (feet)

Dripper Spacing		12"				18"				24"			
Dripper Flow Rate (GPH)		0.29	0.40	0.58	1.00	0.29	0.40	0.58	1.00	0.29	0.40	0.58	1.00
Inlet Pressure (PSI)	15	300	240	190	130	415	342	265	190	520	425	335	235
	25	440	360	285	200	620	500	400	280	785	644	500	355
	35	535	430	340	240	750	605	480	340	945	770	605	430
	45	600	490	385	275	845	685	540	380	1050	870	685	480

Minimum acceptable pressure is 10 PSI

Total PC 17mm Maximum Length of Run (feet)

Dripper Spacing		12"				18"				24"			
Dripper Flow Rate (GPH)		0.29	0.40	0.58	1.00	0.29	0.40	0.58	1.00	0.29	0.40	0.58	1.00
Inlet Pressure (PSI)	15	305	245	195	135	430	350	275	195	540	440	345	245
	25	455	370	290	205	640	52	410	290	805	660	520	365
	35	550	445	350	245	770	630	495	350	975	795	625	440
	45	620	505	395	280	870	710	560	395	1100	900	705	495

Minimum acceptable pressure is 10 PSI

Total PC 18mm Maximum Length of Run (feet)

Dripper Spacing		12"				18"				24"			
Dripper Flow Rate (GPH)		0.29	0.40	0.58	1.00	0.29	0.40	0.58	1.00	0.29	0.40	0.58	1.00
Inlet Pressure (PSI)	15	360	295	230	160	505	415	325	230	640	525	415	290
	25	540	440	345	240	760	620	490	345	965	780	620	435
	35	650	530	420	295	920	750	590	415	1160	940	745	525
	45	740	600	520	330	1040	845	670	470	1430	1070	840	590

Minimum acceptable pressure is 10 PSI

Total PC 600 x 700 Maximum Length of Run (feet)

Dripper Spacing		12"				18"				24"			
Dripper Flow Rate (GPH)		0.29	0.40	0.58	1.00	0.29	0.40	0.58	1.00	0.29	0.40	0.58	1.00
Inlet Pressure (PSI)	15	345	280	220	155	485	395	310	220	610	495	390	275
	25	515	420	330	230	720	590	460	325	910	740	580	410
	35	620	500	395	280	870	705	555	390	1095	890	700	495
	45	700	570	445	310	980	800	630	440	1240	1010	795	555

Minimum acceptable pressure is 10 PSI

Emitterlines

Total PC - Ordering Information

16mm Brown PC

Flow Rate	Dripper Spacing	Coil Length	Pallet Qty	Model #	Part #
.40 GPH	12"	100'	60	PC1640-12-10B	71580101
		250'	48	PC1640-12-25B	71580104
		500'	24	PC1640-12-50B	71580107
		1,000'	14	PC1640-12-100B	71580110
.40 GPH	18"	100'	60	PC1640-18-10B	71580113
		250'	48	PC1640-18-25B	71580116
		500'	24	PC1640-18-50B	71580119
		1,000'	14	PC1640-18-100B	71580122
.58 GPH	12"	100'	60	PC1658-12-10B	71580201
		250'	48	PC1658-12-25B	71580204
		500'	24	PC1658-12-50B	71580207
		1,000'	14	PC1658-12-100B	71580210
.58 GPH	18"	100'	60	PC1658-18-10B	71580213
		250'	48	PC1658-18-25B	71580216
		500'	24	PC1658-18-50B	71580219
		1,000'	14	PC1658-18-100B	71580222
.58 GPH	24"	100'	60	PC1658-24-10B	71580225
		250'	48	PC1658-24-25B	71580228
		500'	24	PC1658-24-50B	71580231
		1,000'	14	PC1658-24-100B	71580234
1.0 GPH	12"	100'	60	PC1610-12-10B	71580301
		250'	48	PC1610-12-25B	71580304
		500'	24	PC1610-12-50B	71580307
		1,000'	14	PC1610-12-100B	71580310
1.0 GPH	18"	100'	60	PC1610-18-10B	71580313
		250'	48	PC1610-18-25B	71580316
		500'	24	PC1610-18-50B	71580319
		1,000'	14	PC1610-18-100B	71580322
1.0 GPH	24"	100'	60	PC1610-24-10B	71580325
		250'	48	PC1610-24-25B	71580328
		500'	24	PC1610-24-50B	71580331
		1,000'	14	PC1610-24-100B	71580334



Emitterlines

Total PC - Ordering Information

17mm Brown PC

Flow Rate	Dripper Spacing	Coil Length	Pallet Qty	Model #	Part #
.40 GPH	12"	100'	60	PC1740-12-10B	71581101
		250'	48	PC1740-12-25B	71581104
		500'	24	PC1740-12-50B	71581107
		1,000'	14	PC1740-12-100B	71581110
.40 GPH	18"	100'	60	PC1740-18-10B	71581113
		250'	48	PC1740-18-25B	71581116
		500'	24	PC1740-18-50B	71581119
		1,000'	14	PC1740-18-100B	71581122
.58 GPH	12"	100'	60	PC1758-12-10B	71581201
		250'	48	PC1758-12-25B	71581204
		500'	24	PC1758-12-50B	71581207
		1,000'	14	PC1758-12-100B	71581210
.58 GPH	18"	100'	60	PC1758-18-10B	71581213
		250'	48	PC1758-18-25B	71581216
		500'	24	PC1758-18-50B	71581219
		1,000'	14	PC1758-18-100B	71581222
.58 GPH	24"	100'	60	PC1758-24-10B	71581225
		250'	48	PC1758-24-25B	71581228
		500'	24	PC1758-24-50B	71581231
		1,000'	14	PC1758-24-100B	71581234
1.0 GPH	12"	100'	60	PC1710-12-10B	71581301
		250'	48	PC1710-12-25B	71581304
		500'	24	PC1710-12-50B	71581307
		1,000'	14	PC1710-12-100B	71581310
1.0 GPH	18"	100'	60	PC1710-18-10B	71581313
		250'	48	PC1710-18-25B	71581316
		500'	24	PC1710-18-50B	71581319
		1,000'	14	PC1710-18-100B	71581322
1.0 GPH	24"	100'	60	PC1710-24-10B	71581325
		250'	48	PC1710-24-25B	71581328
		500'	24	PC1710-24-50B	71581331
		1,000'	14	PC1710-24-100B	71581334

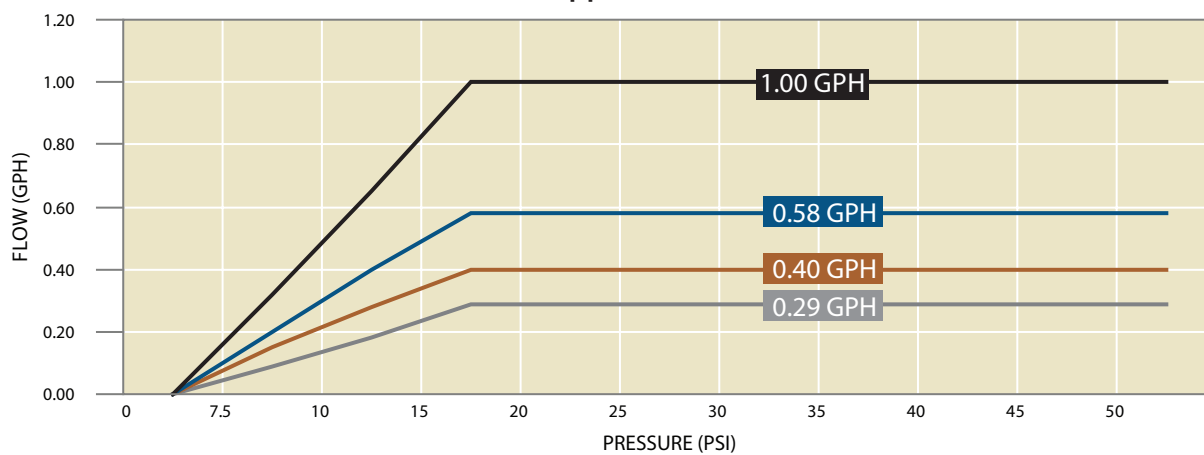
Emitterlines

Total PC - Ordering Information

18mm Brown PC

Flow Rate	Dripper Spacing	Coil Length	Pallet Qty	Model #	Part #
.58 GPH	12"	100'	60	PC1858-12-10B	71583201
		250'	48	PC1858-12-25B	71583204
		500'	24	PC1858-12-50B	71583207
		1,000'	14	PC1858-12-100B	71583210
.58 GPH	18"	100'	60	PC1858-18-10B	71583213
		250'	48	PC1858-18-25B	71583216
		500'	24	PC1858-18-50B	71583219
		1,000'	14	PC1858-18-100B	71583222
.58 GPH	24"	100'	60	PC1858-24-10B	71583225
		250'	48	PC1858-24-25B	71583228
		500'	24	PC1858-24-50B	71583231
		1,000'	14	PC1858-24-100B	71583234
1.0 GPH	12"	100'	60	PC1810-12-10B	71583301
		250'	48	PC1810-12-25B	71583304
		500'	24	PC1810-12-50B	71583307
		1,000'	14	PC1810-12-100B	71583310
1.0 GPH	18"	100'	60	PC1810-18-10B	71583313
		250'	48	PC1810-18-25B	71583316
		500'	24	PC1810-18-50B	71583319
		1,000'	14	PC1810-18-100B	71583322
1.0 GPH	24"	100'	60	PC1810-24-10B	71583325
		250'	48	PC1810-24-25B	71583328
		500'	24	PC1810-24-50B	71583331
		1,000'	14	PC1810-24-100B	71583334

Total PC Dripper Flow Rate vs. Pressure



Emitterlines

Total PC - Ordering Information

600 x 700 Brown PC

Flow Rate	Dripper Spacing	Coil Length	Pallet Qty	Model #	Part #
.58 GPH	12"	100'	60	PC6758-12-10B	71582201
		250'	48	PC6758-12-25B	71582204
		500'	24	PC6758-12-50B	71582207
		1,000'	14	PC6758-12-100B	71582210
.58 GPH	18"	100'	60	PC6758-18-10B	71582213
		250'	48	PC6758-18-25B	71582216
		500'	24	PC6758-18-50B	71582219
		1,000'	14	PC6758-18-100B	71582222
.58 GPH	24"	100'	60	PC6758-24-10B	71582225
		250'	48	PC6758-24-25B	71582228
		500'	24	PC6758-24-50B	71582231
		1,000'	14	PC6758-24-100B	71582234
1.0 GPH	12"	100'	60	PC6710-12-10B	71582301
		250'	48	PC6710-12-25B	71582304
		500'	24	PC6710-12-50B	71582307
		1,000'	14	PC6710-12-100B	71582310
1.0 GPH	18"	100'	60	PC6710-18-10B	71582313
		250'	48	PC6710-18-25B	71582316
		500'	24	PC6710-18-50B	71582319
		1,000'	14	PC6710-18-100B	71582322
1.0 GPH	24"	100'	60	PC6710-24-10B	71582325
		250'	48	PC6710-24-25B	71582328
		500'	24	PC6710-24-50B	71582331
		1,000'	14	PC6710-24-100B	71582334

Total Brown PE Tubing



Brown Polyethylene Tubing

Model #	Part #	Description	Coil Length	Pallet Qty
620X520-100PEB	71200500	PE .620" x .520" .050" Wall, Brown	100'	60
620X520-250PEB	71200501		250'	48
620X520-500PEB	71200502		500'	24
660X560-100PEB	71200503	PE .660" x .560" .045" Wall, Brown (17mm)	100'	60
660X560-250PEB	71200504		250'	48
660X560-500PEB	71200505		500'	24
700X600-100PEB	71200506	PE .700" x .600" .050" Wall, Brown	100'	60
700X600-250PEB	71200507		250'	48
700X600-500PEB	71200508		500'	24
710X620-100PEB	71200509	PE .710" x .620" .045" Wall, Brown (18mm)	100'	60
710X620-250PEB	71200510		250'	48
710X620-500PEB	71200511		500'	24

Emitterlines

Total PC Dripline for Reclaimed Water

Applications:

- Reclaimed (recycled/non-potable) water use

Features/Benefits:

- Innovative pressure-compensating dripline based on Cascade Labyrinth Technology (CLT)
- Patented Cascade Labyrinth Technology (CLT) reduces the chances and incidence of dripper clogging
- Raised emitter inlet prevents particulate from entering
- Continuous self-cleaning design resists plugging - materials that can clog the drippers are flushed throughout operation, not just at the beginning or end of an irrigation cycle
- Single hole dripper outlet from tubing - better protection against root intrusion
- UV, chemical, and fertilizer resistant; flow remains constant over the long-term
- Large filtration area providing continuous water flow
- Solid purple tubing for easy recognition of reclaimed/non-potable water



Specifications:

General

- Pressure Compensation Range: 10 to 60 PSI
- Filter Requirement: 120 mesh
- Emitter Spacings: 12", 18", and 24"
- Minimum Pressure Required: 15 PSI
- Available in 16mm and 17mm
- Maximum Recommended System Pressure: 60 PSI
- Coil Length: 500' and 1,000'
- Three flow rates to fill a variety of applications; .40, .58, and 1.00 GPH

16mm Total PC

- Flow Rates: .40, .58, and 1.00 GPH
- Tubing Size: .640" OD x .550" ID

17mm Total PC

- Flow Rates: .40, .58, and 1.00 GPH
- Tubing Size: .660" OD x .560" ID

Materials:

Tubing Materials: Linear low-density polyethylene

Emitter Materials:

- Body: Medium density polyethylene
- Diaphragm: Silicone



Emitterlines

Total PC Dripline for Reclaimed Water

Total PC 16mm for Reclaimed Water Maximum Length of Run (feet)

Dripper Spacing		12"			18"			24"		
Dripper Flow Rate (GPH)		0.40	0.58	1.00	0.40	0.58	1.00	0.40	0.58	1.00
Inlet Pressure (PSI)	15	240	190	130	342	265	190	425	335	235
	25	360	285	200	500	400	280	644	500	355
	35	430	340	240	605	480	340	770	605	430
	45	490	385	275	685	540	380	870	685	480

Total PC 17mm for Reclaimed Water Maximum Length of Run (feet)

Dripper Spacing		12"			18"			24"		
Dripper Flow Rate (GPH)		0.40	0.58	1.00	0.40	0.58	1.00	0.40	0.58	1.00
Inlet Pressure (PSI)	15	245	195	135	350	275	195	440	345	245
	25	370	290	205	52	410	290	660	520	365
	35	445	350	245	630	495	350	795	625	440
	45	505	395	280	710	560	395	900	705	495

General Watering Guidelines

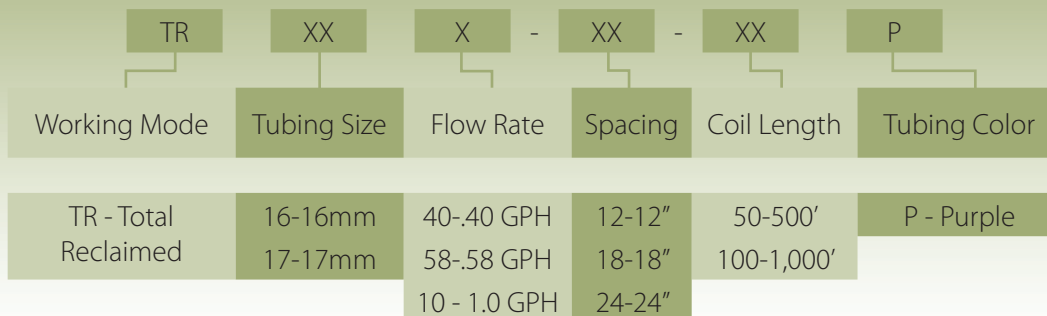
	Annuals and Groundcover			Large Bushes, Shrub Beds, Perennials		
	Sand	Loam	Clay	Sand	Loam	Clay
Dripper Flow	1.0 GPH	0.55 GPH	0.43 GPH	1.0 GPH	0.55 GPH	0.43 GPH
Dripper Spacing	12"	18"	18"	12"	18"	18"
Row Spacing	12" - 15"	15" to 18"	18" - 24"	15" to 18"	18" - 24"	18" - 24"
Application Rate (inch/hour)	1.28 - 1.60	.39 - .47	.23 - .31	1.07 - 1.28	.29 - .39	.23 - .31
Time to Apply 1/4" of Water (minutes)	9 - 12	32 - 39	48 - 65	9 - 14	39 - 52	48 - 65

Type of Plant	Watering Time	Irrigation Frequency (Days)		
		Hot	Warm	Cool
Flowers, Vegetables	1 - 3 Hours	1 - 2	3	3 - 4
Small Trees, Shrubs	2 - 5 Hours	1 - 2	2 - 3	3 - 4
Vines	3 - 6 Hours	1 - 2	2 - 3	3 - 4
Medium Trees, Shrubs	5 - 7 Hours	1 - 2	2 - 3	3 - 4
Large Trees, Shrubs	6 - 8 Hours	1 - 2	2 - 3	3 - 4
Pots up to 15"	10 - 15 Mins	1 - 2	2 - 3	3 - 4
Pots over 15"	15 - 20 Mins	2 - 3	2 - 3	4 - 5

Emitterlines

Total PC Dripline for Reclaimed Water

Total Reclaimed Water PC Dripline Specifying Information



Example: A coil of 16mm pressure compensating dripline .58 gph PC emitters spaced at 12" on a 500' coil of purple tubing would have the following model number: TR1658-12-50P

Ordering Information

16mm Purple Reclaimed Water

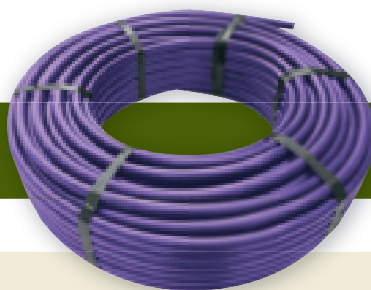
Flow Rate	Dripper Spacing	Coil Length	Pallet Qty	Model #	Part #
.40 GPH	12"	500'	24	TR1640-12-50P	71580108
		1,000'	14	TR1640-12-100P	71580111
.40 GPH	18"	500'	24	TR1640-18-50P	71580120
		1,000'	14	TR1640-18-100P	71580123
.40 GPH	24"	500'	24	TR1640-24-150P	71580132
		1,000'	14	TR1640-24-200P	71580135
.58 GPH	12"	500'	24	TR1658-12-50P	71580208
		1,000'	14	TR1658-12-100P	71580211
.58 GPH	18"	500'	24	TR1658-18-50P	71580220
		1,000'	14	TR1658-18-100P	71580223
.58 GPH	24"	500'	24	TR1658-24-50P	71580232
		1,000'	14	TR1658-24-100P	71580235
1.0 GPH	12"	500'	24	TR1610-12-50P	71580308
		1,000'	14	TR1610-12-100P	71580311
1.0 GPH	18"	500'	24	TR1610-18-50P	71580320
		1,000'	14	TR1610-18-100P	71580323
1.0 GPH	24"	500'	24	TR1610-24-50P	71580332
		1,000'	14	TR1610-24-100P	71580335

Emitterlines

Total PC Dripline for Reclaimed Water - Ordering Information

17mm Purple Reclaimed Water

Flow Rate	Dripper Spacing	Coil Length	Pallet Qty	Model #	Part #
.40 GPH	12"	500'	24	TR1740-12-50P	71581108
		1,000'	14	TR1740-12-100P	71581111
.40 GPH	18"	500'	24	TR1740-18-50P	71581120
		1,000'	14	TR1740-18-100P	71581123
.40 GPH	24"	500'	24	TR1740-24-150P	71581132
		1,000'	14	TR1740-24-200P	71581135
.58 GPH	12"	500'	24	TR1758-12-50P	71581208
		1,000'	14	TR1758-12-100P	71581211
.58 GPH	18"	500'	24	TR1758-18-50P	71581220
		1,000'	14	TR1758-18-100P	71581223
.58 GPH	24"	500'	24	TR1758-24-50P	71581232
		1,000'	14	TR1758-24-100P	71581235
1.0 GPH	12"	500'	24	TR1710-12-50P	71581308
		1,000'	14	TR1710-12-100P	71581311
1.0 GPH	18"	500'	24	TR1710-18-50P	71581320
		1,000'	14	TR1710-18-100P	71581323
1.0 GPH	24"	500'	24	TR1710-24-50P	71581332
		1,000'	14	TR1710-24-100P	71581335



Total Purple PE Tubing

Purple Polyethylene Tubing

Model #	Part #	Description	Coil Length	Pallet Qty
620X520-100PEP	71200500	PE .620" x .520" .050" Wall, Purple	100'	60
620X520-250PEP	71200501		250'	48
620X520-500PEP	71200502		500'	24
660X560-100PEP	71200503	PE .660" x .560" .045" Wall, Purple (17mm)	100'	60
660X560-250PEP	71200504		250'	48
660X560-500PEP	71200505		500'	24
700X600-100PEP	71200506	PE .700" x .600" .050" Wall, Purple	100'	60
700X600-250PEP	71200507		250'	48
700X600-500PEP	71200508		500'	24
710X620-100PEP	71200509	PE .710" x .620" .045" Wall, Purple (18mm)	100'	60
710X620-250PEP	71200510		250'	48
710X620-500PEP	71200511		500'	24

Emitterlines

Mini-Pepline™ - 1/4" Turbulent Flow Emitterline

Features/Benefits:

- Flexible design adapts to any planting shape
- Large turbulent flow path for clog resistance
- Ideal for small landscape applications
- One-piece construction for easy installation
- Non-pressure compensating
- 6" and 12" spacing available
- Available in black and brown colored tubing

Specifications:

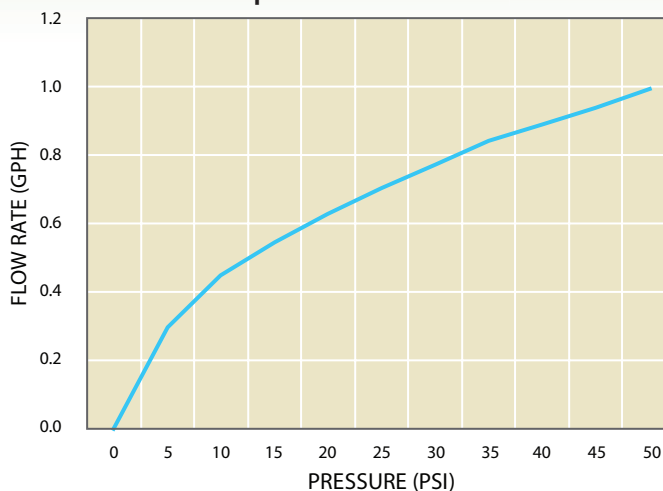
- Size: .170" ID x .250" OD - 1/4"
- Operating pressure range: 15 - 50 PSI
- Wall thickness: .040"
- Filtration requirements: 150 mesh
- Dripper flow rate: .5 GPH (nominal at 15 PSI)
- Uses standard 1/4" fittings
- Coil lengths: 100', 500', and 1,000'

Materials:

Linear low density polyethylene



Mini-Pepline™ Flow Rate vs. Pressure



If operating at a higher pressure than 15 PSI, adjustments to run times should be calculated using the average flow rate from the Dripper Flow Rate vs. Pressure Table

Maximum Length of Run Chart - 1/4" Traditional Dripline

1/4" Dripperline, 1/2 GPH, 6" Spacing	19'
1/4" Dripperline, 1/2 GPH, 12" Spacing	33'

Ordering Information

Mini-Pepline™ - 1/4" Turbulent Flow Emitters

Model #	Part #	Description	Bag Qty	Box Qty
PM0406100	71500023	Black Mini-Pepline™, 6" Spacing, 100' Coil	100'	20
PM0412100	71500025	Black Mini-Pepline™, 12" Spacing, 100' Coil	100'	20
PM0406100B	71500880	Brown Mini-Pepline™, 6" Spacing, 100' Coil	100'	20
PM0412100B	71500881	Brown Mini-Pepline™, 12" Spacing, 100' Coil	100'	20
PM0406500	71500861	Black Mini-Pepline™, 6" Spacing, 500' Coil	500'	2
PM0412500	71500862	Black Mini-Pepline™, 12" Spacing, 500' Coil	500'	2
PM0406500B	71500865	Brown Mini-Pepline™, 6" Spacing, 500' Coil	500'	2
PM0412500B	71500866	Brown Mini-Pepline™, 12" Spacing, 500' Coil	500'	2
PM04061000	71500867	Black Mini-Pepline™, 6" Spacing, 1000' Coil	1000'	1
PM04061000B	71500868	Brown Mini-Pepline™, 6" Spacing, 1000' Coil	1000'	1

Emission Devices

ClickTIF™ - Pressure Compensating Drip Emitters with Check Valve

Applications:

- Wide-spaced plantings
- Pots and planters
- Sloped areas
- Trees, shrubs, flower boxes, and hanging baskets
- Systems where excess drainage might present a problem

Features/Benefits:

- Internal check valve prevents low pressure drainage
- Uniform flow rates
- Color-coded flow rates
- 1/4" Barbed inlet x 1/8" barbed outlet or barbed inlet x 1/4" tapered outlet
- Emitter opens at 5.9 PSI and closes at 3.0 PSI
- Designed to minimize clogging with cross-shaped inlet, flushing mechanism of regulating diaphragm, and strong turbulent flow path.

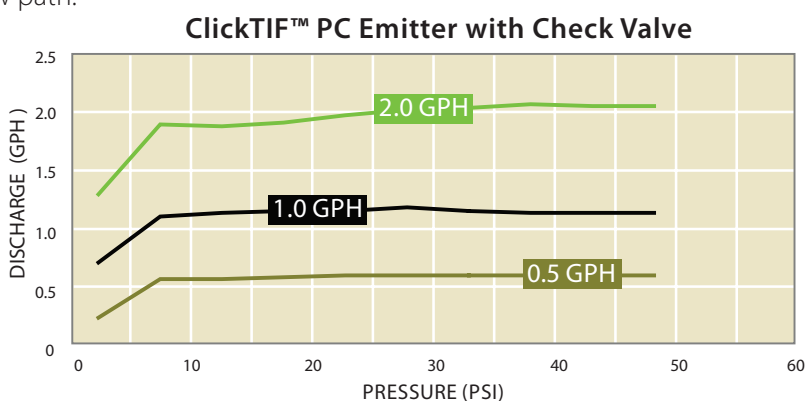


Specifications:

- Operating range: 10-60 PSI
- Flow rates: 0.5, 1.0, and 2.0 GPH (2 GPH is tapered only)
- Minimum filtration: 120 mesh

Materials:

Body and cover: Polypropylene
Diaphragm: Silicone



Ordering Information

ClickTIF™ - Pressure Compensating, Low Profile, Self-Flushing

Model #	Part #	Description	Bag Qty	Box Qty
CTBPC05-250	72503556	0.5 GPH (Brown), 1/4" Barbed Inlet x 1/8" Barbed Outlet	25	800
CTBPC05-100	72503555	0.5 GPH (Brown), 1/4" Barbed Inlet x 1/8" Barbed Outlet	100	800
CTBPC10-250	72503561	1.0 GPH (Black), 1/4" Barbed Inlet x 1/8" Barbed Outlet	25	800
CTBPC10-100	72503560	1.0 GPH (Black), 1/4" Barbed Inlet x 1/8" Barbed Outlet	100	800
CTTPC05-250	72503456	0.5 GPH (Brown), 1/4" Barbed Inlet x 1/4" Tapered Outlet	25	800
CTTPC05-100	72503455	0.5 GPH (Brown), 1/4" Barbed Inlet x 1/4" Tapered Outlet	100	800
CTTPC10-250	72503461	1.0 GPH (Black), 1/4" Barbed Inlet x 1/4" Tapered Outlet	25	800
CTTPC10-100	72503460	1.0 GPH (Black), 1/4" Barbed Inlet x 1/4" Tapered Outlet	100	800
CTTPC20-250	72503471	2.0 GPH (Green), 1/4" Barbed Inlet x 1/4" Tapered Outlet	25	800
CTTPC20-100	72503470	2.0 GPH (Green), 1/4" Barbed Inlet x 1/4" Tapered Outlet	100	800
CTTHPC05-25	72503457	0.5 GPH (Brown), 1/2" FPT Inlet x 1/4" Tapered Outlet	25	500
CTTHPC10-25	72503462	1.0 GPH (Brown), 1/2" FPT Inlet x 1/4" Tapered Outlet	25	500
CTTHPC20-25	72503472	2.0 GPH (Brown), 1/2" FPT Inlet x 1/4" Tapered Outlet	25	500

Emission Devices

PC Plus - Pressure Compensating, Self Piercing Emitters

Applications:

- Wide-spaced plantings
- Pots and planters
- Longer runs
- Ground covers, shrubs, and trees

Features/Benefits:

- Uniform flow rates
- Color-coded flow rates
- Designed for longer runs needing consistent watering
- 1/4" inlet and outlet barb
- Self-piercing barb
- Self-flushing and cleaning

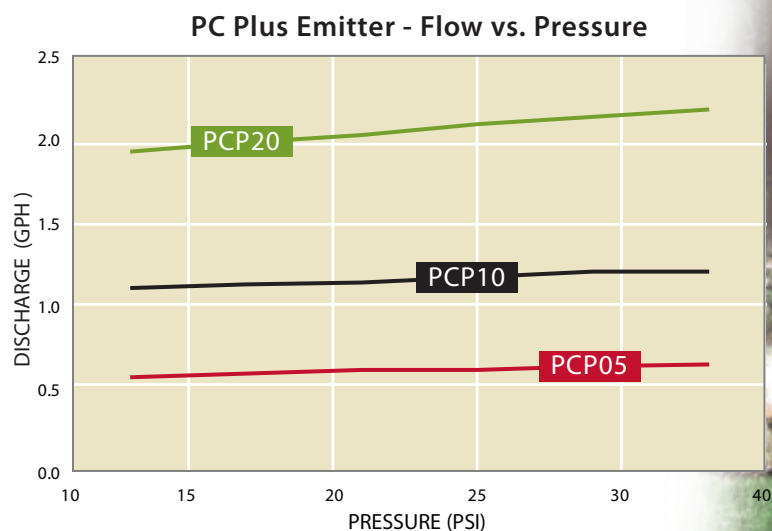
Specifications:

- Operating range: 10-40 PSI
- Flow rates: 0.5, 1.0, and 2.0 GPH
- Minimum filtration: 150 mesh

Materials:

Body and cover: Polypropylene

Diaphragm: Silicone



Ordering Information

PC Plus - Pressure Compensating, Dual Barb, Self Piercing Barb

Model #	Part #	Description	Bag Qty	Box Qty
PCP05	72501015	0.5 GPH - Red	100	1,000
PCP10	72501016	1.0 GPH - Black	100	1,000
PCP20	72501017	2.0 GPH - Green	100	1,000

Emission Devices

CETA® Emitter - Pressure Compensating Take Apart Emitters

Applications:

- Wide-spaced plantings
- Pots and planters
- Longer runs
- Ground covers, shrubs, and trees

Features/Benefits:

- Uniform flow rates
- Color-coded flow rates
- Designed for longer runs needing consistent watering
- 1/4" inlet and outlet barb
- Self-piercing
- Take apart for easy cleaning

Specifications:

- Operating range: 15-50 PSI
- Flow rates: 0.5, 1.0, and 2.0 GPH
- Minimum filtration: 150 mesh

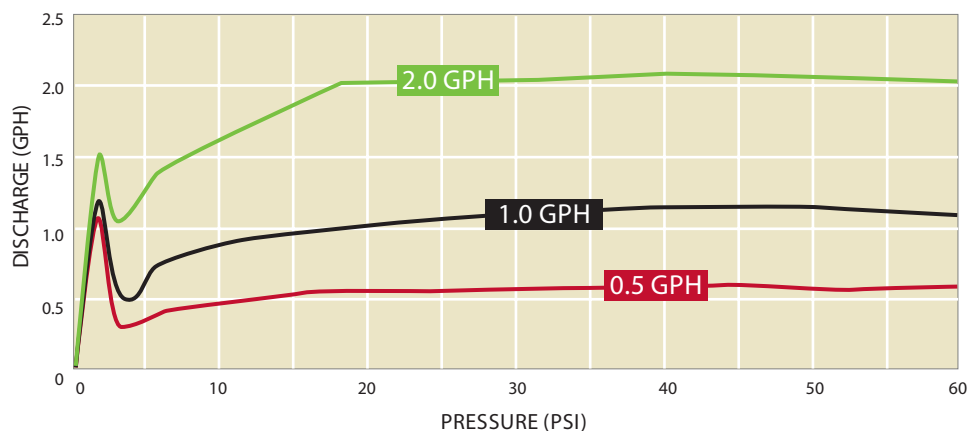
Materials:

Body and cover: Polypropylene

Diaphragm: Silicone



CETA® Emitters - Barbed Inlet and Outlet



Ordering Information

Model #	Part #	Description	Bag Qty	Box Qty
CETAPC02	72500825	0.5 GPH - Red	100	1,000
CETAPC04	72500826	1.0 GPH - Black	100	1,000
CETAPC08	72500827	2.0 GPH - Green	100	1,000

Emission Devices

J-SC-PC Plus - PC Take Apart Drip Emitters

Applications:

- Wide-spaced plantings
- Pots and planters
- Longer runs
- Ground covers, shrubs, and trees

Features/Benefits:

- Uniform flow rates
- Color-coded flow rates
- Suitable for longer runs needing consistent watering
- Take apart for easy cleaning

Specifications:

- Operating range: 15-50 PSI
- Flow rates: 0.5, 1.0, and 2.0 GPH
- Minimum filtration: 150 mesh

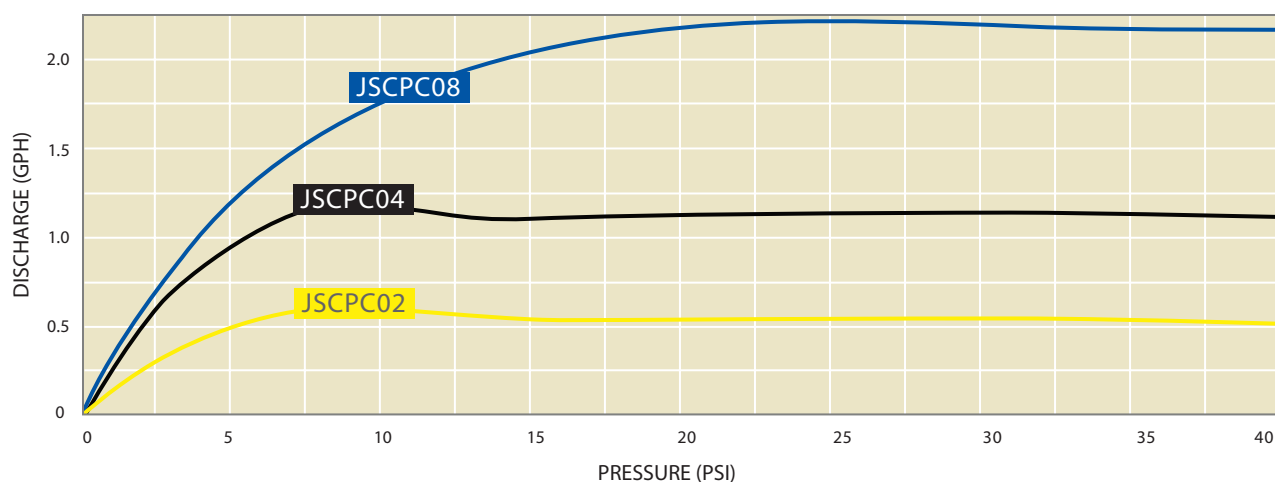
Materials:

Body and cover: Polypropylene

Diaphragm: Silicone



J-SC-PC Plus® Emitters - Take Apart Dripper



Ordering Information

J-SC-PC Plus® - Pressure Compensating, Take Apart, Tapered Outlet Nipple

Model #	Part #	Description	Bag Qty	Box Qty
JSCPCP02	72500548	0.5 GPH - Yellow, 1/4" Barbed Inlet x Tapered Outlet	100	1,000
JSCPCP04	72500549	1.0 GPH - Black, 1/4" Barbed Inlet x Tapered Outlet	100	1,000
JSCPCP08	72500550	2.0 GPH - Blue, 1/4" Barbed Inlet x Tapered Outlet	100	1,000

Emission Devices

MicroFlappers® - Pressure Compensating Low Profile Emitter

Applications:

- Wide-spaced plantings
- Pots and planters
- Ground covers, shrubs, and trees

Features/Benefits:

- Low profile - resists damage and leakage
- Uniform flow rates
- CV less than 5% - high distribution uniformity
- Color-coded flow rates
- .187" inlet barb x .125" outlet

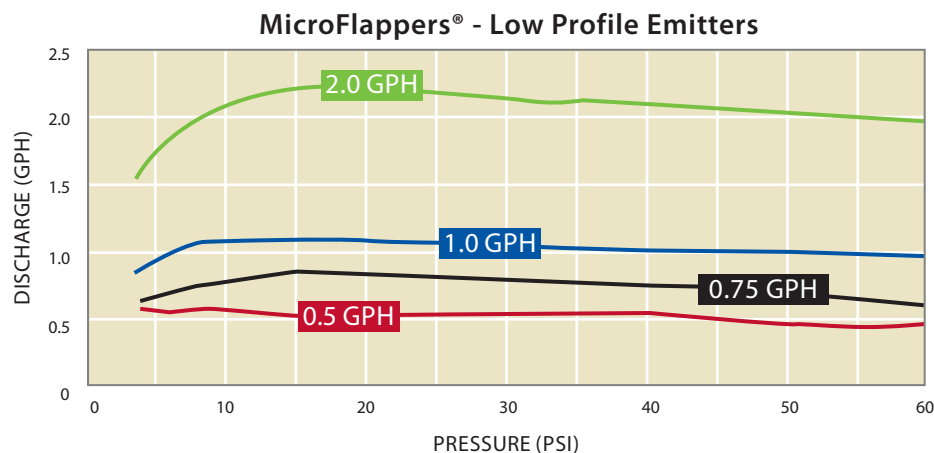
Specifications:

- Operating range: 10-60 PSI
- Flow rates: 0.5, .75, 1.0, and 2.0 GPH
- Minimum filtration: 150 mesh

Materials:

Body and cover: Polypropylene

Diaphragm: Silicone



Ordering Information

MicroFlappers® - Pressure Compensating, Low Profile, Self-Flushing

Model #	Part #	Description	Bag Qty	Box Qty
MF-1/2	72501103	0.50 GPH - Brown, 1/4" Barbed Inlet x 1/8" Barbed Outlet	100	1,000
MF-3/4	72501104	0.75 GPH - Gray, 1/4" Barbed Inlet x 1/8" Barbed Outlet	100	1,000
MF-1	72501105	1.0 GPH - Black, 1/4" Barbed Inlet x 1/8" Barbed Outlet	100	1,000
MF-2	72501106	2.0 GPH - Green, 1/4" Barbed Inlet x 1/8" Barbed Outlet	100	1,000

Emission Devices

Acu-Flo® PC Emitter - Pressure Compensating Flow Regulating Bubbler

Applications:

- Wide-spaced plantings
- Ground covers, shrubs, and trees
- Use with Mini Pepline to control flow
- Medium flow emitters for watering larger shrubs and trees

Features/Benefits:

- Uniform flow rates
- Color-coded flow rates
- Use for flow control with other products
- Ideal for customizing water use by plant type
- Take-apart feature provides easy inspection and cleaning

Specifications:

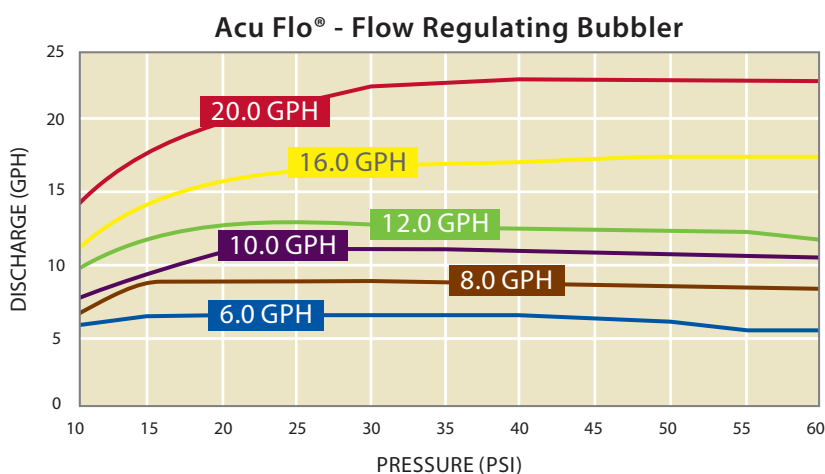
- Operating range: 20 - 60 PSI
- Flow rates: 6.0, 8.0, 10.0, 12.0, 16.0, and 20 GPH
- Minimum filtration: 150 mesh

Materials:

Body: Polycarbonate

Cover: Glass filled polypropylene

Diaphragm: Liquid-injected hardened Silicone



Ordering Information

Acu-Flo® - Pressure Compensating, Take Apart Flow Control

Model #	Part #	Description	Bag Qty	Box Qty
AFPC6	72500767	6.0 GPH - Blue, 1/4" Barb x 1/4" Barb	25	250
AFPC8	72500768	8.0 GPH - Brown, 1/4" Barb x 1/4" Barb	25	250
AFPC10	72500765	10 GPH - Violet, 1/4" Barb x 1/4" Barb	25	250
AFPC12	72500597	12 GPH - Green, 1/4" Barb x 1/4" Barb	25	250
AFPC16	72500766	16 GPH - Yellow, 1/4" Barb x 1/4" Barb	25	250
AFPC20	72500598	20 GPH - Red, 1/4" Barb x 1/4" Barb	25	250

Emission Devices

Jain Emitter™ & J-Turbo Key Plus™ Turbulent Flow, Take-apart Emitter

Applications:

- Wide-spaced plantings
- Pots and planters
- Ground covers, shrubs, and trees

Features/Benefits:

- Take-apart feature provides easy inspection and cleaning
- Large water passage to reduce clogging
- Color-coded flow rates
- Turbulent flow - clog resistant
- Flow varies with pressure
- Cross shaped inlet acts as a filter
- J-Turbo Key Plus™ has a tapered outlet
- 1/4" inlet barb

Specifications:

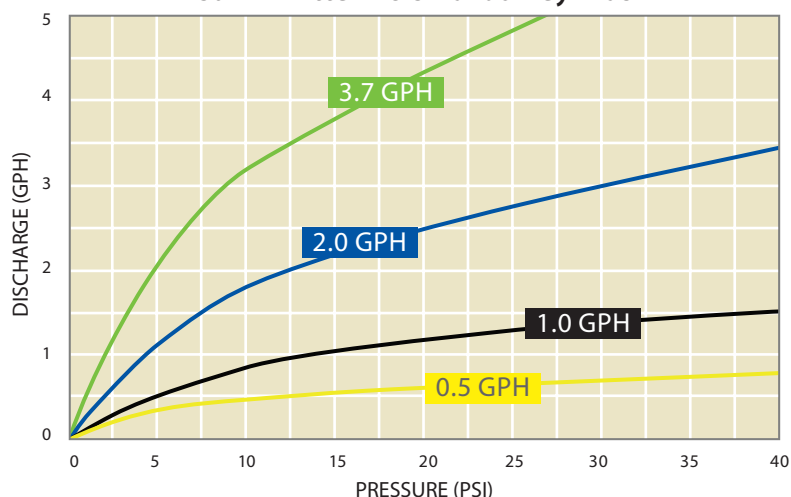
- Operating range: 10 - 50 PSI
- Flow rates: 0.5, 1.0, 2.0, and 3.7 GPH at 15 PSI
- Minimum filtration: 150 mesh

Materials:

Body and cover: Polypropylene



Jain Emitter™ & J-Turbo Key Plus™



Ordering Information

Jain Emitter™ - Turbulent Flow, Take Apart, Low Profile

Model #	Part #	Description	Bag Qty	Box Qty
JE02	72500560	0.5 GPH - Yellow	100	1,000
JE04	72500561	1.0 GPH - Black	100	1,000
JE08	72500562	2.0 GPH - Blue	100	1,000
JE16	72500563	3.7 GPH - Green	100	1,000

J-Turbo Key Plus™ - Turbulent Flow, Take Apart, Tapered Outlet Nipple

Model #	Part #	Description	Bag Qty	Box Qty
JTKP02	72500556	0.5 GPH - Yellow, 1/4" barbed inlet x tapered outlet	100	1,000
JTKP04	72500557	1.0 GPH - Black, 1/4" barbed inlet x tapered outlet	100	1,000
JTKP08	72500558	2.0 GPH - Blue, 1/4" barbed inlet x tapered outlet	100	1,000
JTKP16	72500559	3.7 GPH - Green, 1/4" barbed inlet x tapered outlet	100	1,000

Emission Devices

Flag Emitters

Applications:

- Wide-spaced plantings
- Pots and planters
- Trees, hanging baskets, shrubs, and flower boxes

Features/Benefits:

- Take apart feature for easy cleaning
- Color-coding indicates flow rates of emitters
- Flow varies with pressure
- Self-piercing single barb installation

Specifications:

- Operating range: 10 - 50 PSI
- Barbed inlet and outlet; install directly in hose or use 1/4" tubing
- Flow rates: 0.5, 1.0, 2.0, and 4.0 GPH
- Minimum filtration: 150 mesh

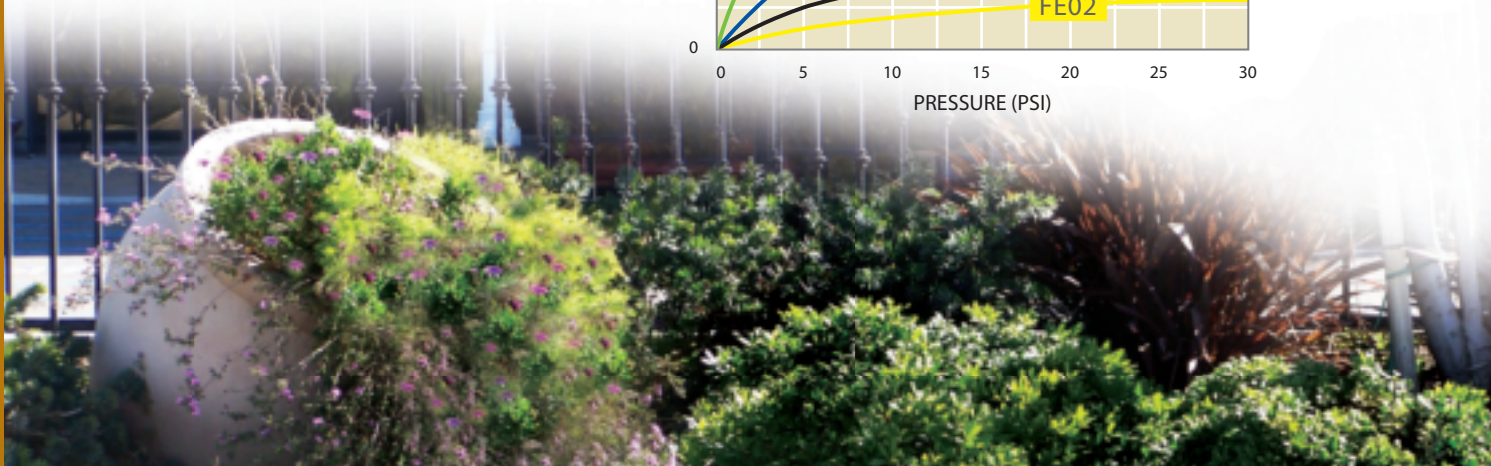
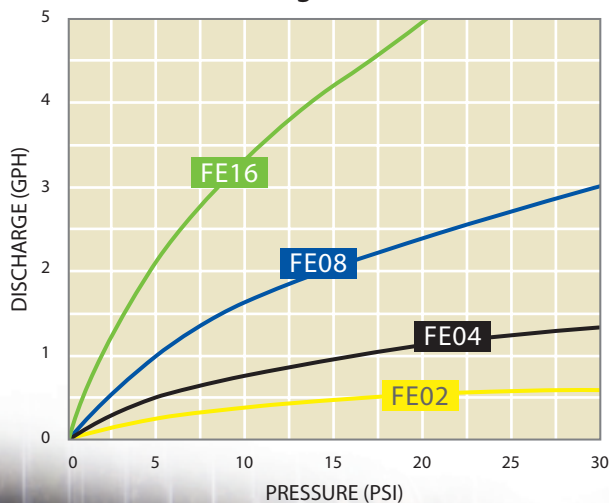
Materials:

Body: Polypropylene

Flow Path: Polypropylene



Flag Emitter™



Ordering Information

Flag Emitter - Take Apart with Locking Cap

Model #	Part #	Description	Bag Qty	Box Qty
FE02	72500753	0.5 GPH - Yellow, 1/4" Barbed Inlet and Outlet	100	2,000
FE04	72500746	1.0 GPH - Black, 1/4" Barbed Inlet and Outlet	100	2,000
FE08	72500748	2.0 GPH - Blue, 1/4" Barbed Inlet and Outlet	100	2,000
FE16	72500750	4.0 GPH - Green, 1/4" Barbed Inlet and Outlet	100	2,000

Emission Devices

Octa-Bubbler® and Flow Control Devices

8-Port Pressure Compensating Emitter with Interchangeable Flow Devices

Applications:

- First time installations
- Retrofitting an existing sprinkler riser
- General landscape applications including sparse or dense plantings, mixed plantings, ground cover, and trees and shrubs
- For use with Mini Pepline™
- Lower flows for smaller plants and higher flows for larger plants

Features/Benefits:

- Delivers water to multiple locations
- Color-coded flow rates
- Suitable for retrofitting zones
- 1/2" FPT inlet port
- Filter screen for clog-resistance
- Interchangeable flow control paths
- Purple caps for reclaimed water use
- Can be used above grade or with an emitter access box

Specifications:

- Pressure Compensation Range: 20-60 PSI
- Flow rates: 2.0, 6.0, 10.0, and 20.0 GPH
- Minimum filtration: 150 mesh

Materials:

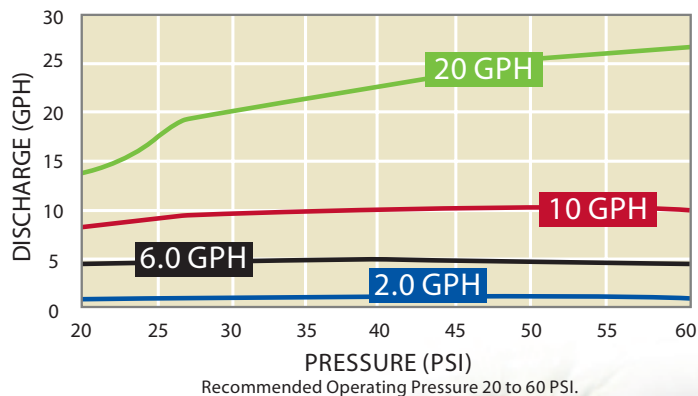
Body and cover: ABS

Flow control device: ABS

Diaphragm: Silicone



Octa-Bubbler®



Emission Devices

Octa-Bubbler® - Ordering Information

Octa Bubbler® - 8 Swivel Ports, Pressure Compensating, .250" Barbed Outlet, 1/2" FPT Inlet

Model #	Part #	Description	Bag Qty	Box Qty
OCT816	72500729	2.0 GPH per outlet, Blue low flow bubbler	10	30
OCT856	72500731	6.0 GPH per outlet, Black medium flow bubbler	10	30
OCT896	72500732	10 GPH per outlet, Red high flow bubbler	10	30
OCT8186	72500730	20 GPH per outlet, Green extra high flow bubbler	10	30
OCT816P	72500051	2.0 GPH per outlet, Blue low flow bubbler (Purple NP cover)	10	30
OCT856P	72500050	6.0 GPH per outlet, Black medium flow bubbler (Purple NP cover)	10	30
OCT896P	72503162	10 GPH per outlet, Red high flow bubbler (Purple NP cover)	10	30
OCT8186P	72500020	20 GPH per outlet, Green extra high flow bubbler (Purple NP cover)	10	30

Octa-Bubbler® Flow Control Devices



Octa-Bubbler® Flow Control Devices - Interchangeable Emitters for Octa-Bubbler

Model #	Part #	Description	Bag Qty	Box Qty
FCD8160	72500623	Blue - 2 GPH Flow Control Device	8	160
FCD8560	72500625	Black - 6 GPH Flow Control Device	8	160
FCD8960	72500970	Red - 10 GPH Flow Control Device	8	160
FCD81860	72500624	Green - 20 GPH Flow Control Device	8	160

Octa-Bubbler® Repair Kit

Applications:

- Repair old or worn diaphragms in Octa-Bubbler®

Repair Kit Components

Part #	Description
72500117	O-Ring
72500119	Back Flow Diaphragm
72500120	Flow Control Diaphragm

Octa-Bubbler Repair Kit

Model #	Part #	Description	Bag Qty	Box Qty
OCTREP	72500007	Octa-Bubbler Repair Kit	1	10

Emission Devices

QuadraBubbler® and QB2® 4-Port Pressure Compensating Emitter

Applications:

- Sparse plantings
- Small groups of similar plants
- Ground covers, shrubs, and trees
- For use with Mini Pepline

Features/Benefits:

- Color-coded flow rates
- Good for retrofitting zones
- QuadraBubbler® - 3/4" MPT inlet
- QB2® - 1/2" FPT Inlet
- Clog Resistant
- Standard .170" ID Vinyl or PE tubing

Specifications:

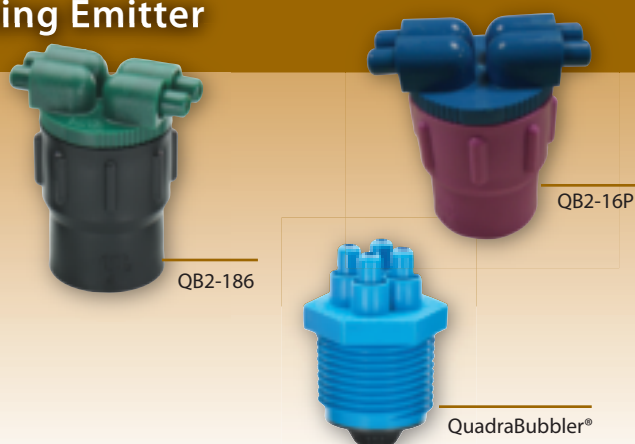
- Pressure Compensation Range: 20-60 PSI
- Flow rates: 2.0, 6.0, 10.0, and 20.0 GPH
- Minimum filtration - 150 mesh

Materials:

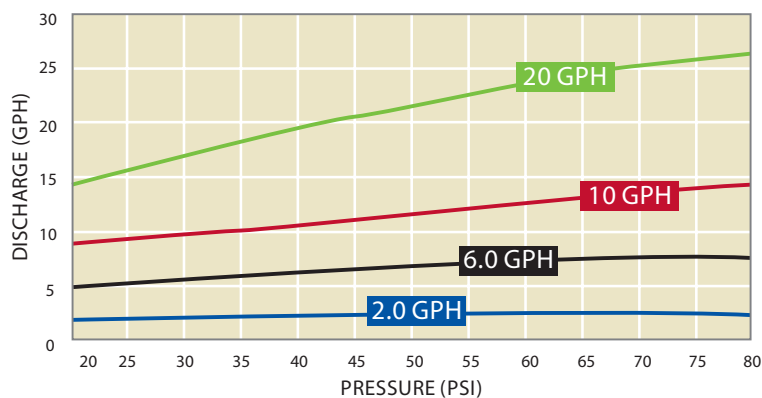
Body and cover: ABS

Accessories: ABS

Diaphragm: Silicone



QuadraBubbler® and QB2®



Ordering Information

QuadraBubbler® - 4-Port, Pressure Compensating, 3/4" MPT

Model #	Part #	Description	Bag Qty	Box Qty
QB416	72500769	Blue Low Flow, 2.0 GPH per Outlet Quadra-bubbler	10	200
QB456	72500771	Black Medium Flow, 6.0 GPH per Outlet Quadra-bubbler	10	200
QB496	72500772	Red High Flow, 10 GPH per Outlet Quadra-bubbler	10	200
QB4186	72500770	Green Extra High Flow, 20 GPH per Outlet Quadra-bubbler	10	200

QB2® - 4-Port, Pressure Compensating, Side Ports, 1/2" FPT inlet

Model #	Part #	Description	Bag Qty	Box Qty
QB2-16	72550971	Blue Low Flow, 2 GPH per Outlet	10	200
QB2-56	72500774	Black Medium Flow, 6 GPH per Outlet	10	200
QB2-96	72500775	Red High Flow, 10 GPH per Outlet	10	200
QB2-186	72500773	Green Extra High Flow, 20 GPH per Outlet	10	200
QB2-16P	72503167	Blue Low Flow, 2 GPH per Outlet (Purple NP Body)	10	200
QB2-56P	72503166	Black Medium Flow, 6 GPH per Outlet (Purple NP Body)	10	200
QB2-96P	72503172	Red High Flow, 10 GPH per Outlet (Purple NP Body)	10	200
QB2-186P	72503174	Green Extra High Flow, 20 GPH per Outlet (Purple NP Body)	10	200

Emission Devices

Bubbler Accessories - Fittings, Plugs, Plates Components to compliment Bubblers



Bubbler Access Box

Applications:

- Light commercial/residential use
- For concealing/protecting emitters/bubblers
- For easy access to buried drip components

Features/Benefits:

- Metal washer for metal detection
- Optional purple cover for reclaimed water
- Rectangular - more room than circular boxes

Specifications:

- Body and cover: Polyethylene



Bubbler Tubing - 1/4" Jain bubbler tubing

Applications:

- For use with Octa-Bubblers, QuadraBubblers, & QB2's

Features/Benefits:

- Vinyl or polyethylene tubing
- Flexible and durable

Specifications:

- Operating pressure: Up to 60 psi

Materials:

Linear low density polyethylene
Vinyl



Emission Devices

Bubbler Accessories - Fittings, Plugs, Plates Components to compliment Bubblers - Ordering Information

Bubbler Accessories - Fittings, Plugs, Plates

Model #	Part #	Description	Bag Qty	Box Qty
BA7550E	72500972	Elbow, 3/4" FPT x 1/2" FPT	10	100
BA7550T	72500973	Tee, 3/4" FPT x 3/4" FPT x 1/2" FPT	10	80
BA-PP-QB	72500616	Port Plugs for Quadra-Bubblers and QB2's	25	200
BA-PP-OB	72500619	Port Plugs for Octa-Bubblers	25	200
BA-BUG	72500286	Insect Plug for Bubbler Tubing	100	200
BA-CP-QB	72500614	Clamp Plate - locks tubing to Quadra Bubbler ports	10	300
BA-CP-QB2	72500617	Clamp Plate - locks tubing to QB2 ports	10	300

Bubbler Access Box - Plastic Rectangular Box (6" x 5" x 4"h)

Model #	Part #	Description	Bag Qty	Box Qty
BBOX645	72500621	Bubbler Access Box	1	25
BBOX645P	72500622	Bubbler Access Box (Purple NP cover)	1	25

Bubbler Tubing - 1/4" Tubing to be used with Quadra-Bubblers and Octa-Bubblers

Model #	Part #	Description	Bag Qty	Box Qty
BTP-100	71500155	100' PE Banded with instructions Bubbler Tubing	1	20
BTP-1000	71500156	1000' PE Bubbler Tubing on Starburst Reel	1	2
BTV-100	71500158	100' Vinyl Banded with instructions Bubbler Tubing	1	20
BTV-1000	71500159	1000' Vinyl Bubbler Tubing on Starburst Reel	1	2

Multi-Port Manifold (6 Ports)

Applications:

- First time installations
- Retrofitting an existing sprinkler riser
- General landscape applications

Features/Benefits:

- Provides a manifold with six outlets
- Delivers water to multiple locations
- Attach 1/4" distribution tubing onto each outlet
- Can be used above grade or with an emitter access box
- Includes plugs for less than 6 lines of use.



Ordering Information

Multi-Port Manifold

Model #	Part #	Description	Bag Qty	Box Qty
MPM6-25C	72501710	Multi-Port Manifold, 1/2" FIPT Inlet x 6 - 1/4" Barbed Outlets	20	200

Emission Devices

Mini Inline™ Emitters Turbulent Flow Mini Inline Emitter

Applications:

- Excellent around tree trunks
- Random spaced plantings
- Pots and planters
- Ground covers, shrubs, and trees

Features/Benefits:

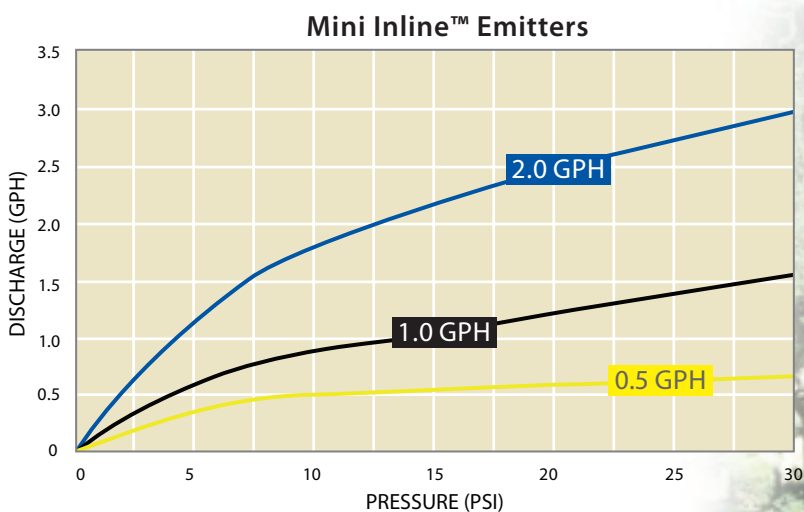
- Color-coded flow rates
- Places water at plants
- Use less tubing
- 1/4" barb at both ends
- Appropriate for inconsistent plant spacing

Specifications:

- Operating range: 10 - 30 PSI
- Flow rates: 0.5, 1.0, 2.0 gph
- Minimum filtration - 150 mesh

Materials:

Body and cover: Polypropylene



Ordering Information

Mini Inline™ Emitters - Turbulent Flow, Inline, Dual Barb

Model #	Part #	Description	Bag Qty	Box Qty
MIL02	72500566	0.5 GPH - Yellow, 1/4" Barb on Both Ends	25	500
MIL04	72500567	1.0 GPH - Black, 1/4" Barb on Both Ends	25	500
MIL08	72500568	2.0 GPH - Blue, 1/4" Barb on Both Ends	25	500

Emission Devices

J-Bubbler PC and J-Bubbler Adjustable Turbulent Flow Adjustable Emitter

J-Bubbler PC and J-Bubbler Adjustable

Applications:

- First time installations
- Dense plantings
- Retrofit sprinkler riser
- General landscape applications

Features/Benefits:

- Simple durable design
- 1/2" FPT inlet port
- Inlet filter screen to prevent clogging
- High flow bubblers
- Suitable for short water windows
- Umbrella spray pattern

J-Bubbler Adjustable:

- Easy screw adjustment

Specifications:

- Operating range: 15-60 PSI
- Minimum filtration - 120 mesh

J-Bubbler PC:

- Flow rates: 0.5 GPM (30 GPH) and 1.0 GPM (60 GPH)

J-Bubbler Adjustable:

- Flow rates JBAFP: Up to 2.9 GPM (at 43 PSI)
- Flow rates JBAF: Up to 4.5 GPM (at 43 PSI)

Materials:

Body and cover: ABS
Diaphragm: Silicone



Turbulent Flow Adjustable Emitter

Applications:

- Mixed plantings
- Wide-spaced plantings
- Pots and planter boxes
- General landscape applications



Features/Benefits:

- Ideal for customizing water use by plant type and growth stage
- Adjusts from flow off to full flow output
- Take apart for easy cleaning and inspection
- Self-piercing 1/4" barb inlet
- Turbulent flow clog resistant design

Specifications:

- Operating range: 10-30 PSI
- Flow range: 0-12 GPH
- Minimum filtration - 150 mesh

Materials:

Body and cover: Polypropylene

Adjustable Flow Dripper

Pressure (PSI)	Flow (GPH)
15	0-8
20	0-10
30	0-12

Ordering Information

J-Bubbler - Pressure Compensating Umbrella Spray Bubblers with Cone Screen

Model #	Part #	Description	Bag Qty	Box Qty
JBPC02	72500581	.50 GPM (30 GPH) Bubbler with 1/2" FPT	25	300
JBPC04	72500582	1.0 GPM (60 GPH) Bubbler with 1/2" FPT	25	300

J-Bubbler Adjustable - Adjustable Umbrella Spray Bubblers with Cone Screen

Model #	Part #	Description	Bag Qty	Box Qty
JBAFP	72500583	Flood Bubbler, 1/2" FPT, Max Flow 2.9 GPM @ 43 PSI	25	300
JBAF	72500584	Screw Adjust Bubbler, 1/2" FPT, Max Flow 4.5 GPM @ 43 PSI	25	300

Turbulent Flow Adjustable Emitter

Model #	Part #	Description	Bag Qty	Box Qty
TF-A	72015071	Adjustable 0 - 12 gph, 1/4" inlet	25	300

Emission Devices

Adjustable Shrubblers® and Bubblers

Applications:

- Pots and planter boxes
- General landscape applications

Features/Benefits:

- Easy finger-tip control for flow/radius adjustment
- Four installation connections for design flexibility: 1/4" barb, 10-32 thread, 5" spike, and 1/2" FPT
- Ideal for customizing water use by plant type
- Click adjustment from flow off to full flow
- Take-apart feature provides easy inspection and cleaning

Specifications:

- Operating range: 15 to 30 PSI
- Mini-Bubbler Flow 360°: 0 to 35 GPH
- Shrubbler Flow 360° and 180°: 0 to 13 GPH
- Flow Vortex Sprayer: 0 to 24 GPH
- Diameter Mini Bubbler 360°: Up to 1.9 feet at 30 PSI
- Diameter Shrubbler 360° and 180°: Up to 3.0 feet at 30 PSI
- Diameter Vortex Sprayer: Up to 4.5 feet at 30 PSI
- Recommended filtration: 150 mesh

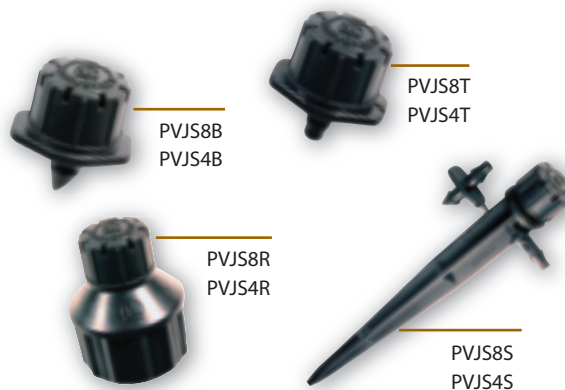
Materials:

Body and base: Polypropylene
Threaded base: Acetal

Mini-Bubbler
Adjustable from 0 - 30 GPH



Shrubbler® - Adjustable Flow
Adjustable from 0 - 13 GPH



Spectrum 360™ Vortex Spray
Adjustable from 0 - 24 GPH



Adjustable Bubblers

Fully Open Performance

Pressure (PSI)	Spectrum Sprayer		180° Shrubbler		360° Shrubbler		360° Mini Bubbler	
	Flow (GPH)	Diameter	Flow (GPH)	Diameter	Flow (GPH)	Diameter	Flow (GPH)	Diameter
15	17.3	9.4	8.7	1.2	8.7	1.2	27.0	0.7
20	19.8	11.2	10.3	1.5	10.3	1.9	30.1	1.1
30	24.3	13.3	13.0	2.0	13.0	3.0	35.0	1.9

Emission Devices

Adjustable Shrubblers® and Bubblers

Shrubbler® 360° PC

Features/Benefits:

- Colored cap for easy identification
- PC maintains diameter of throw over a range of inlet pressures
- Gentle flow action with pressures 15 to 45 PSI
- Available with 1/4" barb connection or 5" Spike with 1/4" Barb



Ordering Information

Mini-Bubbler - Adjustable 0 - 30 GPH @ 15 to 30 PSI, Full Circle

Model #	Part #	Description	Bag Qty	Box Qty
PVMBB	72503126	Adjustable Mini-Bubbler, 360° Full Circle, 0 - 30 GPH, 1/4" Barb	25	500
PVMBT	72503127	Adjustable Mini-Bubbler, 360° Full Circle, 0 - 30 GPH, 10-32 Thread	25	500
PVMBR	72500603	Adjustable Mini-Bubbler, 360° Full Circle, 0 - 30 GPH, 1/2" FPT Adapter	25	250
PVMBR	72015008	Adjustable Mini-Bubbler, 360° Full Circle, 0 - 30 GPH, 5" Spike	25	250

Spectrum 360™ Vortex Sprayer - Adjustable 0 to 24 GPH, 10 to 30 PSI

Model #	Part #	Description	Bag Qty	Box Qty
PVSV360B	72015009	Adjustable Vortex Sprayer, 360° Full Circle, 0 - 24 GPH, 1/4" Barb	25	500
PVSV360T	72015010	Adjustable Vortex Sprayer, 360° Full Circle, 0 - 24 GPH, 10-32 Thread	25	500
PVSV360R	72015012	Adjustable Vortex Sprayer, 360° Full Circle, 0 - 24 GPH, 1/2" FPT Adapter	25	250
PVSV360S	72015011	Adjustable Vortex Sprayer, 360° Full Circle, 0 - 24 GPH, 5" Spike	25	250

Shrubbler® - Adjustable Flow, 0 - 13 GPH @ 15 to 30 PSI, Full and Part Circle

Model #	Part #	Description	Bag Qty	Box Qty
PVJS8B	72503121	Adjustable Shrubbler®, Full Circle, 8-Stream, 0 - 13 GPH, 1/4" Barb	25	500
PVJS4B	72503123	Adjustable Shrubbler®, Half Circle, 4-Stream, 0 - 13 GPH, 1/4" Barb	25	500
PVJS8T	72503122	Adjustable Shrubbler®, Full Circle, 8-Stream, 0 - 13 GPH, 10-32 Thread	25	500
PVJS4T	72503124	Adjustable Shrubbler®, Half Circle, 4-Stream, 0 - 13 GPH, 10-32 Thread	25	500
PVJS8R	72500602	Adjustable Shrubbler®, Full Circle, 8-Stream, 0 - 13 GPH, 1/2" FPT Adapter	25	250
PVJS4R	72500601	Adjustable Shrubbler®, Half Circle, 4-Stream, 0 - 13 GPH, 1/2" FPT Adapter	25	250
PVJS8S	72503125	Adjustable Shrubbler®, Full Circle, 8-Stream, 0 - 13 GPH, 5" Spike	25	250
PVJS4S	72500954	Adjustable Shrubbler®, Half Circle, 4-Stream, 0 - 13 GPH, 5" Spike	25	250

Shrubbler® - 360° Pressure Compensating

Model #	Part #	Description	Bag Qty	Box Qty
PCS360B	72506000	Pressure Compensating Shrubbler®, Full Circle, 9 GPH, 1/4" Barb	25	500
PCS360S	72506001	Pressure Compensating Shrubbler®, Full Circle, 9 GPH, 5" Spike	25	250

Sprays and Misters

One-Piece Spray Jets

Applications:

- Flower gardens and ground cover
- General landscape applications

Features/Benefits:

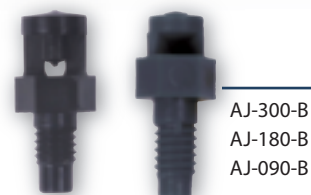
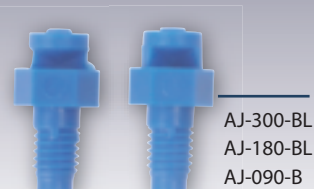
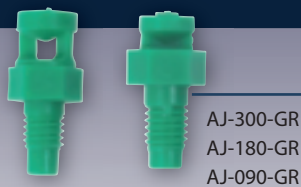
- Color coded nozzles for various flow rates
- Ideal for customizing water zones and planting areas
- One piece construction
- Available on riser assembly or spike assembly
- Easy installation; just push in and thread

Specifications:

- Operating range: 15 to 30 PSI
- Available with 10-32 threads
- Three different spray patterns: 300°, 180°, and 90°
- Four different orifice sizes: .030", .040", .050", and .060"
- Wetted diameter: up to 26 feet
- Recommended filtration: 155 mesh

Materials:

Body: Acetal



One-piece Jet Sprays

Performance - Flow vs Pressure				
Pressure (PSI)	Flow (GPH)			
	.030"	.040"	.050"	.060"
15	5.0	8.9	15.3	21.6
20	6.0	10.4	16.7	24.0
25	6.8	11.7	19.5	27.4
30	7.3	12.6	21.6	30.5

One-piece Jet Sprays

Pattern	.030"	.040"	.050"	.060"
90° - Quarter Circle	10'	13'	18'	26'
180° - Half Circle	10'	12.5'	18'	20'
300° - "Full Circle"	10'	12.5'	16'	18'

Distances are diameters at 30 PSI Pressure



Sprays and Misters

One-Piece Spray Jets - Ordering Information

One-Piece Aqua-Jets™

Model #	Part #	Description	Bag Qty	Box Qty
AJ-300-B	72503128	0.030" Black Orifice, 7.3 GPH, 300° Pattern	100	2,000
AJ-300-BL	72500797	0.040" Blue Orifice, 12.6 GPH, 300° Pattern	100	2,000
AJ-300-GR	72503118	0.050" Green Orifice, 21.6 GPH, 300° Pattern	100	2,000
AJ-300-R	72500800	0.060" Red Orifice, 30.5 GPH, 300° Pattern	100	2,000
AJ-180-B	72500794	0.030" Black Orifice, 7.3 GPH, 180° Pattern	100	2,000
AJ-180-BL	72500798	0.040" Blue Orifice, 12.6 GPH, 180° Pattern	100	2,000
AJ-180-GR	72503119	0.050" Green Orifice, 21.6 GPH, 180° Pattern	100	2,000
AJ-180-R	72500801	0.060" Red Orifice, 30.5 GPH, 180° Pattern	100	2,000
AJ-090-B	72500796	0.030" Black Orifice, 7.3 GPH, 90° Pattern	100	2,000
AJ-090-BL	72500799	0.040" Blue Orifice, 12.6 GPH, 90° Pattern	100	2,000
AJ-090-GR	72503120	0.050" Green Orifice, 21.6 GPH, 90° Pattern	100	2,000
AJ-090-R	72500802	0.060" Red Orifice, 30.5 GPH, 90° Pattern	100	2,000

Aqua-Jet™ Assemblies

Model #	Part #	Description	Bag Qty	Box Qty
S660	72503802	Quarter Circle Sprayer Stake Assembly with Red Sprayer	25	250
S670	72503801	Half Circle Sprayer Stake Assembly with Red Sprayer	25	250
S680	72503800	Full Circle Sprayer Stake Assembly with Red Sprayer	25	250

Assembly is made from 12" plastic stake, 8" rigid riser with barb, and sprayer

Plastic Stakes

Model #	Part #	Description	Bag Qty	Box Qty
RSTAKE	72015046	6" Riser Stake with 10-32 Threaded Outlet	25	250
PCS12	72500807	12" Plastic Stake, Accepts .250" and .307 OD Tubing, PSA1032, and Rigid Risers	25	225



Sprays and Misters

Rotor Spray™ Mini Sprinklers

Applications:

- Flower gardens
- Ground cover and mass plantings
- General landscape applications

Features/Benefits:

- Choice of four flow rates
- Color coded nozzles for easy flow rate identification
- Quick and easy installation

Specifications:

- Operating range: 15 to 35 PSI
- Quick threaded base:
- Four different flow rates: 9.0, 12.0, 18.0, and 25.0 GPH at 25 PSI
- Wetted diameter: between 15 and 27 feet
- Recommended filtration: 150 mesh

Materials:

Frame: Acetal

Base: Acetal

Spinners: Nylon



Rotor Spray™

Color & Orifice Size	Pressure (PSI)	Flow (GPH)	Diameter of Throw (Ft.)	Stream Height (In.)
Brown 0.035"	15	8.1	15	10
	20	9.4	17	11
	25	10.5	17	13
Blue 0.04"	15	9.8	17	11
	20	11.7	17	12
	25	13	17	13
Green 0.05"	15	16.8	19	14
	20	19.5	21	16
	25	22	21	21
	30	33	27	28
Red 0.06"	15	22.5	23	21
	20	26.5	23	23
	25	30	27	27
	30	33	27	28

Ordering Information

Rotor Spray™ Mini Sprinklers™

Model #	Part #	Description	Bag Qty	Box Qty
PMS9	72500745	9 GPH @ 20 PSI, Brown orifice, 17" diameter, 10/32 thread	100	500
PMS12	72500955	12 GPH @ 20 PSI, Blue orifice, 17" diameter, 10/32 thread	100	500
PMS18	72500956	18 GPH @ 20 PSI, Green orifice, 21" Diameter, 10/32 thread	100	500
PMS25	72500744	25 GPH @ 20 PSI, Red orifice, 13" Diameter, 10/32 thread	100	500



Sprays and Misters

Vari-Jet™ and Vari-Rotor Spray™

Applications:

- Flower gardens
- Ground cover and mass plantings
- General landscape applications

Features/Benefits:

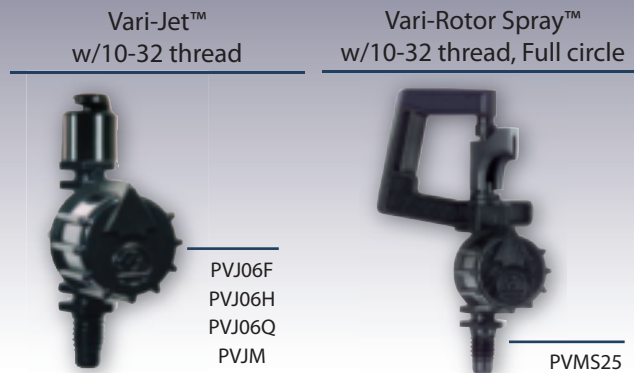
- Choice of spray patterns
- Ideal for customizing water zones and planting areas
- Adjust flow/radius by turning built-in valve
- Available on riser assembly or spike assembly
- Easy installation; just push in and thread

Specifications:

- Operating range: 10 to 30 PSI
- Available with 10-32 threads
- Four different spray patterns: 360°, 180°, and 90°, and misting
- Adjustable flow rates: from 0 to 31 GPH maximum at 30 PSI
- Wetted diameter: up to 26 feet
- Recommended filtration: 150 mesh

Materials:

Cap: Acetal
 Base: Acetal
 Knob: HDPE



Vari-Jet™						
Minimum Opening Size			Pattern-360° 0.02"	Pattern-Mist 0.05"	Pattern-180° 0.06"	Pattern-90° 0.06"
Base & Orifice Size	Pressure (PSI)	Flow (GPH)	Diameter of Throw (Ft.)		Radius of Throw (Ft.)	
Standard Base max 0.06"	10	0-16.7	0-18.4		0-6.7	0-6.4
	15	0-21.0	0-22.6		0-8.1	0-8.1
	20	0-24.5	0-25.7		0-9.5	0-9.4
	25	0-28.0	0-26.7		0-10.1	0-9.8
	30	0-31.0	0-26.3		0-10.6	0-10.3
Mist Base Max 0.014"	10	0-4.0		0-3.0		
	15	0-5.0		0-2.6		
	20	0-5.9		0-2.9		
	25	0-6.6		0-2.8		
	30	0-7.4		0-2.6		



Sprays and Misters

Vari-Jet™ and Vari-Rotor Spray™ - Ordering Information

Vari-Jet™ - Adjustable Sprays and Jets

Model #	Part #	Description	Bag Qty	Box Qty
PVJ06F	72500961	360° Full circle. Vari-Flow valve with 10/32 thread, 0.060" orifice	100	500
PVJ06H	72500962	180° Spray pattern. Vari-Flow valve with 10/32 thread, 0.060" orifice	100	500
PVJ06Q	72500963	90° Spray pattern. Vari-Flow valve with 10/32 thread, 0.060" orifice	100	500
PVJM	72500964	360° Vari-jet mister. Vari-Flow valve with 10/32 thread, 0.060" orifice	100	500

Vari-Jet™ Assemblies

Model #	Part #	Description	Bag Qty	Box Qty
PVJ06F-8	72015136	360° Adjustable Jet Assembly on 8" Ridgid Riser with 1/4" Barb	25	250
PVJ06H-8	72015135	180° Adjustable Jet Assembly on 8" Ridgid Riser with 1/4" Barb	25	250
PVJ06Q-8	72015134	90° Adjustable Jet Assembly on 8" Ridgid Riser with 1/4" Barb	25	250
PVJ06F-12	72015141	360° Adjustable Jet Assembly on 12" Ridgid Riser with 1/4" Barb	25	250
PVJ06H-12	72015142	180° Adjustable Jet Assembly on 12" Ridgid Riser with 1/4" Barb	25	250
PVJ06Q-12	72015143	90° Adjustable Jet Assembly on 12" Ridgid Riser with 1/4" Barb	25	250

Vari-Rotor Spray™ - Adjustable Flow Control Mini Sprinkler

Model #	Part #	Description	Bag Qty	Box Qty
PVMS25	72500965	Adjustable Mini Sprinkler 0-25 GPH with 10/32 thread	25	500



Sprays and Misters

Micro-Sprinkler Aquamaster - Non-Pressure Compensating

Applications:

- Flower gardens
- Ground cover and mass plantings
- General landscape applications

Features/Benefits:

- Choice of seven flow rates
- Color coded nozzles for easy flow rate identification
- Easy take apart for maintenance
- Quick and easy installation

Specifications:

- Operating range: 15 to 35 PSI
- 1/2" and quick threaded base:
- Seven different flow rates: 8.6, 12.3, 17.3, 25.9, 29.7, 39.6, and 48.8 GPH at 20 PSI
- Wetted diameter: between 20 and 37 feet
- Recommended filtration: 155 mesh

Materials:

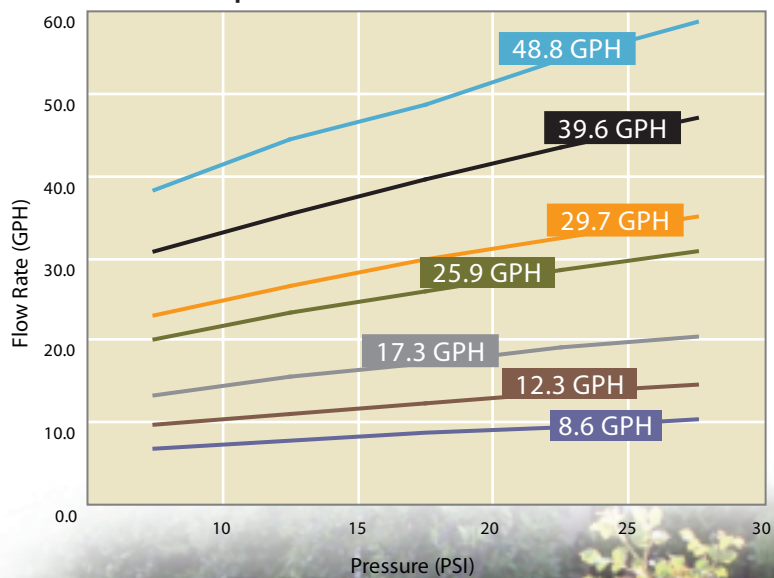
Body: Acetal

Spinners: Nylon

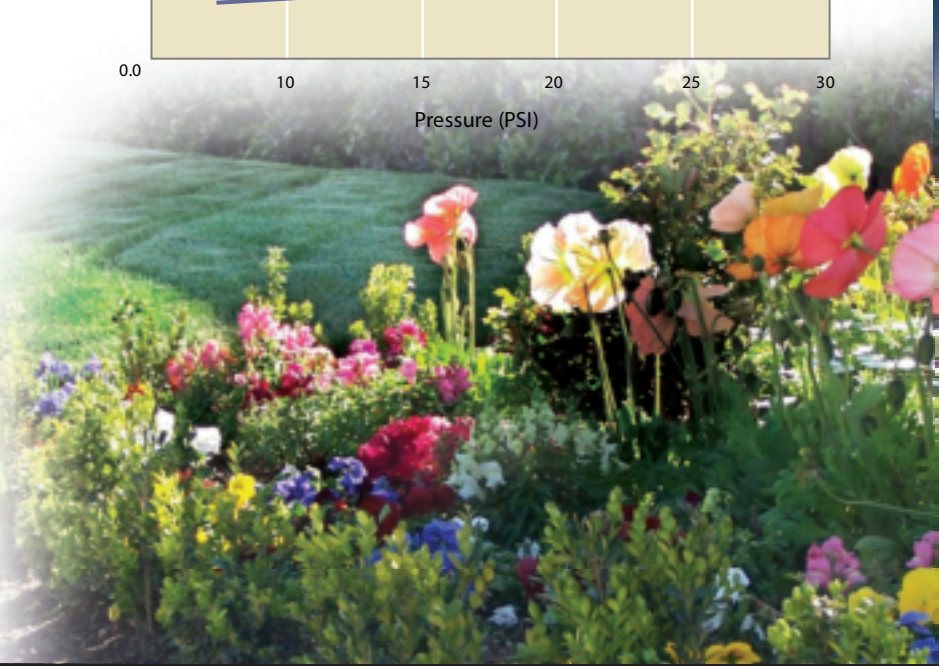
Nozzle: Acetal



Aquamaster Flow Rate vs. Pressure



Aquamaster Flow Rate		
Flow (GPH)	Nozzle Color	Diameter at 25 PSI
8.60	Purple	20'
12.3	Brown	24'
17.3	Grey	24'
25.9	Green	32'
29.7	Orange	32'
39.6	Black	32'
48.8	Blue	32'



Sprays and Misters

Micro-Sprinkler Aquamaster - Non-Pressure Compensating

Specifying Information

Prefix	Spinner	Housing	Nozzle
766	1 - Blue	2 - Quick Thread	000 - Purple
		4 - 1/2" MPT	200 - Brown

Prefix	Spinner	Housing	Nozzle
766	3 - Black	2 - Quick Thread	300 - Grey
			400 - Green
		4 - 1/2" MPT	500 - Orange
			800 - Black
			900 - Grey

Ordering Information

2005 AquaMaster - Non Pressure Compensating Micro Sprinkler

Model #	Part #	Description	Bag Qty	Box Qty
AMMST9	76634000	8.6 GPH, .031" Purple Nozzle, Black Spinner on 1/2" MPT Base	100	600
AMMST12	76634200	12.3 GPH, .037" Brown Nozzle, Black Spinner on 1/2" MPT Base	100	600
AMMST18	76614300	17.3 GPH, .045" Grey Nozzle, Blue Spinner on 1/2" MPT Base	100	600
AMMST26	76614400	25.9 GPH, .055" Green Nozzle, Blue Spinner on 1/2" MPT Base	100	600
AMMST30	76614500	29.7 GPH, .059" Orange Nozzle, Blue Spinner on 1/2" MPT Base	100	600
AMMST40	76614800	39.6 GPH, .069" Black Nozzle, Blue Spinner on 1/2" MPT Base	100	600
AMMST50	76614900	48.8 GPH, .076" Blue Nozzle, Blue Spinner on 1/2" MPT Base	100	600

2005 Aquamaster

Model #	Part #	Description	Bag Qty	Box Qty
AMMSQ9	76632000	8.6 GPH, .031" Purple Nozzle, Black Spinner on Quick Thread base	100	600
AMMSQ12	76632200	12.3 GPH, .037" Brown Nozzle, Black Spinner on Quick Thread Base	100	600
AMMSQ18	76612300	17.3 GPH, .045" Grey Nozzle, Blue Spinner on Quick Thread Base	100	600
AMMSQ26	76612400	25.9 GPH, .055" Green Nozzle, Blue Spinner on Quick Thread Base	100	600
AMMSQ30	76612500	29.7 GPH, .059" Orange Nozzle, Blue Spinner on Quick Thread Base	100	600
AMMSQ40	76612800	39.6 GPH, .069" Black Nozzle, Blue Spinner on Quick Thread Base	100	600
AMMSQ50	76612900	48.8 GPH, .076" Blue Nozzle, Blue Spinner on Quick Thread Base	100	600

Accessories for 2005 Aquamaster

Model #	Part #	Description	Bag Qty	Box Qty
STK-37	77097948	Stake 37 for Aquamaster, Black	25	150
PETA-24	71997160	24" PE Tube Assembly for Threaded Base	25	150
PETA-36	72501967	36" PE Tube Assembly for Threaded Base	25	150

Sprays and Misters

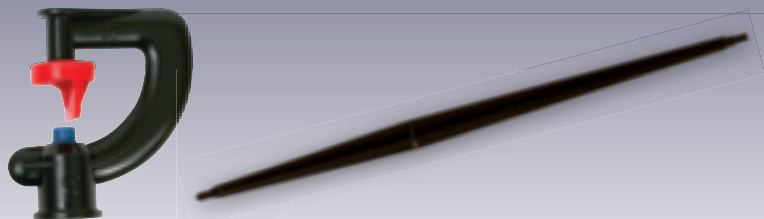
Modular Group - Micro-Sprinklers - Non-Pressure Compensating

Applications:

- Flower gardens
- Ground cover and mass plantings
- General landscape applications

Features/Benefits:

- Choice of six flow rates
- Color coded nozzles for easy flow rate identification
- Large assortment of spinners and spreaders covering every watering requirement: Blue strip spreader, black 90° spreader, red 180° spreader, yellow 360° spreader, black round spinner (diameter 20 feet, and single wing spinner (diameter 25 feet)
- Easy take apart for maintenance
- Quick and easy installation
- Available in complete assemblies



Specifications:

- Operating range: 15 to 40 PSI
- Six different flow rates: 12, 19, 28, 33, 43, and 54 GPH @ 25 PSI
- Six different distribution patterns
- Wetted diameter: up to 27 feet
- Recommended filtration: 155 mesh

Materials:

Bridge: Acetal

Spinners: Nylon

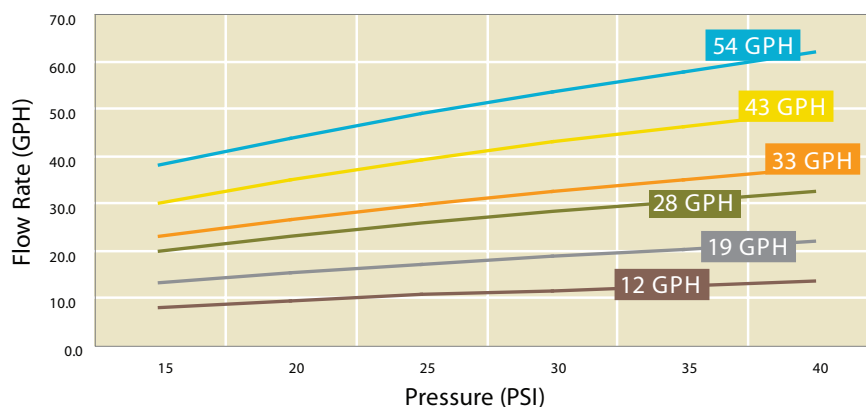
Spreaders: Acetal

Nozzle: Nylon

Modular Group Flow Rate

Flow (GPH) at 30 PSI	Nozzle Color	Diameters at 30 PSI		
		Round Spinner	Single Wing	Spreaders (Radius)
12	Brown	19'	19'	5.5'
19	Grey	19'	24'	5.5'
28	Green	21'	25'	5.5'
33	Orange	22'	25'	6.5'
43	Yellow	21'	26'	6.5'
54	Blue	21'	27'	7'

Modular Group Flow Rate vs. Pressure



Sprays and Misters

Modular Group - Micro-Sprinklers - Non-Pressure Compensating

Specifying Information

Prefix	Spinner/Spreader	Base	Nozzle	Tube Assy	Stake
76	01 - Black Round	0	0 - Brown	0 - No Tube	0 - No Stake
	02 - Single Wing		2 - Green	1 - 24"	1 - 31 Black
	11 - Blue strip		3 - Blue	3 - 36"	
	12 - Black 90°		5 - Orange	4 - 48"	
	08 - Red 180°		6 - Yellow		
	07 - Yellow 360°		9 - Grey		

Example: Bridge assembly with Black Round Spinner and blue nozzle would be model number 76110300

Example: Bridge assembly with Yellow Spreader and Green nozzle and 24" tube assembly and stake 31 would be model number 76170211

Ordering Information

Nozzles

Model #	Part #	Description	Bag Qty	Box Qty
MGNBR	71915109	Brown .035", 12 GPH Nozzle	100	500
MGNG	71915107	Grey .044", 19 GPH Nozzle	100	500
MGNGR	71915100	Green .055", 28 GPH Nozzle	100	500
MGNGR	71915108	Orange .060", 33 GPH Nozzle	100	500
MGNY	71915103	Yellow .067", 43 GPH Nozzle	100	500
MGNB	71915001	Blue .075", 54 GPH Nozzle	100	500

Spreaders and Spinners

Model #	Part #	Description	Bag Qty	Box Qty
BS	77050303	Blue Strip Spreader	100	500
BL90	77050308	Black 90° Sectional Spreader	100	500
R180	77050317	Red 180° Spreader	100	500
Y360	77050306	Yellow 360° Flat Spreader	100	500
BRS	77050218	Black Round Spinner (Diameter 20 Feet)	100	500
SW	77050208	Single Wing One Sided Spinner (Diameter 25 Feet)	100	500

Components

Model #	Part #	Description	Bag Qty	Box Qty
MGB	77050600	Bridge	100	500
STK-31	77097908	Black Stake 31	25	400
TABB-24	71997030	24" Tube Assembly with Butterfly and Barb	10	100
TABB-36	71997036	36" Tube Assembly with Butterfly and Barb	10	100
TABB-48	71997040	48" Tube Assembly with Butterfly and Barb	10	100

Sprays and Misters

Conventional Single Foggers

Applications:

- To increase humidity in hot, dry climates
- Misting containers and baskets
- General landscape applications

Features/Benefits:

- Sprays a fine mist at low pressure
- Hydraulic vortex design spins water droplets into a fine mist
- Barbed fogger attaches directly to Poly or 1/4" micro-tube
- Easy to install, maintain, and configure

Specifications:

- Recommended operating pressure: 42 PSI
- Available with 1/4" barb and 10-32 thread
- Flow rates: 4.0, 5.0, and 7.0 GPH
- Wetted diameter: 2 to 5 feet
- Recommended filtration: 200 mesh

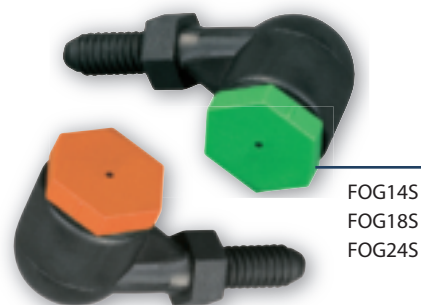
Materials:

Body: Polypropylene

Fogger w/ 1/4" Barb Inlet



Fogger w/ 10-32 Thread Inlet



Ordering Information

Jain Conventional Single Foggers

Model #	Part #	Description	Bag Qty	Box Qty
FOG14B	72500575	4.0 GPH Fogger, Discharge: 3.7 GPH @ 43 PSI, 1/4" Barbed Connection	25	500
FOG18B	72500576	5.0 GPH Fogger, Discharge: 4.8 GPH @ 43 PSI, 1/4" Barbed Connection	25	500
FOG24B	72500577	7.0 GPH Fogger, Discharge: 6.4 GPH @ 43 PSI, 1/4" Barbed Connection	25	500
FOG14S	72500578	4.0 GPH Fogger, Discharge: 3.7 GPH @ 43 PSI, 10-32 Thread Connection	25	500
FOG18S	72500579	5.0 GPH Fogger, Discharge: 4.8 GPH @ 43 PSI, 10-32 Thread Connection	25	500
FOG24S	72500580	7.0 GPH Fogger, Discharge: 6.4 GPH @ 43 PSI, 10-32 Thread Connection	25	500



Sprays and Misters

NaanDan Professional Foggers

Applications:

- To increase humidity in hot, dry climates
- Misting containers and baskets
- General landscape applications

Features/Benefits:

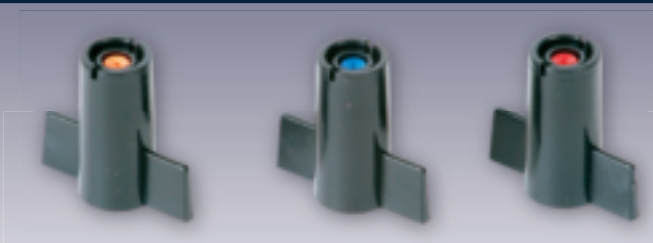
- Sprays a fine mist at medium pressure
- Hydraulic vortex design spins water droplets into a fine mist
- Barbed, or quick thread fogger, attaches directly to Poly or 1/4" micro-tube
- Take apart for cleaning
- Easy to install, maintain, and configure

Specifications:

- Operating range: 45 to 70 PSI
- Available with 1/4" barb or quick thread
- Flow rates: 1.8, 3.6, and 5.4 GPH
- Average droplet size: 100 micron
- Wetted diameter: 2 to 4 feet
- Recommended filtration: 120 mesh

Materials:

Body: Acetal



Ordering Information

NaanDanJain Professional Foggers

Model #	Part #	Description	Bag Qty	Box Qty
BF-250	72828031	1.8 GPH NaanDanJain Blue Fogger with 1/4" Barb	50	500
OF-250	72828051	3.6 GPH NaanDanJain Orange Fogger with 1/4" Barb	50	500
RF-250	72828071	5.4 GPH NaanDanJain Red Fogger with 1/4" Barb	50	500
BF-QT	72828032	1.8 GPH NaanDanJain Blue Fogger with Quick Thread Connection	50	500
OF-QT	72828052	3.6 GPH NaanDanJain Orange Fogger with Quick Thread Connection	50	500
RF-QT	72828072	5.4 GPH NaanDanJain Red Fogger with Quick Thread Connection	50	500

Sprays and Misters

Spray Stakes

Applications:

- Pots and planter boxes
- General landscape applications

Features/Benefits:

Aqua Spray Stakes

- Ideal for applications where a mini-spray pattern is desired
- Simple functional design
- Ideal for customizing water use by plant type
- Color coded by flow rate
- Horizontal and down spray patterns

Acu-Spray Stick™

- Horizontal spray pattern
- Pressure compensating

Specifications:

Aqua Spray Stakes

- Operating range: 10 to 30 PSI
- Use PE tubing .187 x .125 for connecting to the spray stake
- Spray Pattern 160°, 90°, and 360°
- Spray stake length: 6"
- Recommended filtration: 150 mesh

Acu-Spray Stick™

- Operating range: 10 to 25 PSI
- Use PE tubing .125" ID or .160" ID for connecting to the spray stake
- Spray Pattern 120°, and 180°
- Spray stake length: 6"
- Recommended filtration: 150 mesh

Materials:

Aqua Spray Stake:

Polypropylene

Acu-Spray Stick™

Spray Stake: Polypropylene

Compensating device: Silicone

Aqua Spray Stakes



- ASBLK-6
- ASGRN-6
- ASAVCDO-6
- ASTERCTA-6
- ASBRN-6
- ASGRY-6
- ASBLU-6

Acu-Spray Sticks™

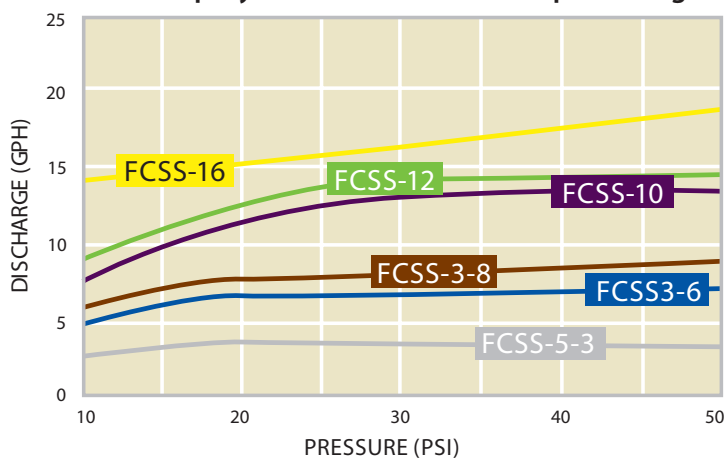


- FCSS-3
- FCSS-6
- FCSS-8
- FCSS-10
- FCSS-12
- FCSS-16

Acu-Spray Stick™

Color Code	Description		
White	3 GPH	9" radius	120° spray
Blue	6 GPH	15" radius	180° spray
Brown	8 GPH	18" radius	180° spray
Violet	10 GPH	22" radius	180° spray
Green	12 GPH	25" radius	180° spray
Yellow	16 GPH	30" radius	180° spray

Acu-Spray Stick™ - Pressure Compensating



Sprays and Misters

Spray Stakes - Ordering Information

Aqua Spray Stakes

Model #	Part #	Description	Bag Qty	Box Qty
ASBLK-6	72501250	Black High Flow Down Spray 160°, 15.0 GPH @ 20 PSI	100	1,000
ASGRN-6	72501251	Green Medium Flow Down Spray 160°, 11.4 GPH @ 20 PSI	100	1,000
ASAVCDO-6	72501252	Avocado Low Flow Down Spray 160°, 6.6 GPH @ 20 PSI	100	1,000
ASTERCTA-6	72501253	Terra Cotta Mini Flow Down Spray 160°, 4.2 GPH @ 20 PSI	100	1,000
ASBRN-6	72501254	Brown Low Flow Flat Spray 90°, 6.6 GPH @ 20 PSI	100	1,000
ASGRY-6	72501255	Gray Mini Flow Flat Spray 90°, 3.0 GPH @ 20 PSI	100	1,000
ASBLU-6	72501256	Blue Medium Flow Flat Spray 360°, 10.8 GPH @ 20 PSI	100	1,000

Acu-Spray Stick™ - Pressure Compensating Sprayers

Model #	Part #	Description	Bag Qty	Box Qty
FCSS-3	72500613	3 GPH @ 10 PSI, 9" radius. 120° spray, white	50	500
FCSS-6	72500952	6 GPH @ 10 PSI, 15" radius. 180° spray, blue	50	500
FCSS-8	72500953	8 GPH @ 10 PSI, 18" radius. 180° spray, brown	50	500
FCSS-10	72500611	10 GPH @ 10 PSI, 22" radius. 180° spray, violet	50	500
FCSS-12	72500612	12 GPH @ 10 PSI, 25" radius. 180° spray, green	50	500
FCSS-16	72500950	16 GPH @ 10 PSI, 30" radius. 180° spray, yellow	50	500

Micro-Pop®

Applications:

- Commercial or residential flower beds
- To replace unsightly rigid risers
- For maximum flexibility in spray choices

A spray head that will pop up to spray above plant materials yet drop down to ground level when not in use.



Micro-Pop® - Non-Rotating Pop-up Riser

Model #	Part #	Description	Bag Qty	Box Qty
PMP2	72500740	9" Riser with Stake End and 1/4" Barbed Inlet (Retracted length 12")	10	30
PMP3	72500741	6" Riser with Stake End and 1/4" Barbed Inlet (Retracted length 9")	10	30
PMP5	72500949	6" Riser with 1/2" Male Thread Inlet (Retracted length 9")	10	30

Sprinklers

1/2" Male, Full and Part Circle Plastic Sprinkler

Applications:

- Ground cover and mass plantings
- General landscape applications
- When over-throw from full circle sprinklers is restricted

Features/Benefits:

- Choice of three flow rates
- Color coded bayonet nozzles for easy flow rate identification
- Easy fingertip adjustment to any sector of the circle
- Adjustable diffuser pin for stream break-up
- Powerful reverse action
- Anti side-splash arm
- Adjustable baffle deflector for reducing distance of throw
- Molded from durable high-impact engineering grade plastic
- Available as a pop-up in a can - Pop-up 805

Specifications:

- Operating range: 25 to 60 PSI
- Three different nozzles: 1/8" green, 9/64" blue, and 5/32" black
- Wetted diameter: up to 86 feet
- 27° trajectory

Materials:

Body: Acetal
 Nozzle: Acetal
 Washers: NBR Rubber
 Springs and fulcrum pin: Stainless Steel



Full and Part Circle Plastic Sprinkler

Pressure (PSI)	1/8" (Green)		9/64" (Blue)		5/32" (Black)	
	Flow (GPM)	Dia (Feet)	Flow (GPM)	Dia (Feet)	Flow (GPM)	Dia (Feet)
25	2.4	72	2.8	73	3.5	76
35	2.8	77	3.2	78	4.1	81
45	3.2	80	3.6	81	4.7	85
55	3.5	83	4.0	84	5.2	86

Ordering Information

Sprinklers				
Model #	Part #	Description	Bag Qty	Box Qty
429B-1/8	76047343	1/2" Plastic, Full and Part Circle, 1/8" Green Nozzle, Model 429B	1	50
429B-9/64	76047353	1/2" Plastic, Full and Part Circle, 9/64" Blue Nozzle, Model 429	1	50
429B-5/32	76047363	1/2" Plastic, Full and Part Circle, 5/32" Black Nozzle, Model 429B	1	50
805-1/8	76005734	Pop-up 805, 1/2", Plastic Impact, Full and Part Circle, 1/8" Green Nozzle	1	10
805-9/64	76005735	Pop-up 805, 1/2", Plastic Impact, Full and Part Circle, 9/64" Blue Nozzle	1	10
805-5/32	76005736	Pop-up 805, 1/2", Plastic Impact, Full and Part Circle, 5/32" Black Nozzle	1	10

Sprinklers

1/2" Male, Full and Part Circle Metal Sprinkler

Applications:

- Ground cover and mass plantings
- General landscape applications
- When over-throw from full circle sprinklers is restricted

Features/Benefits:

- Choice of three flow rates
- Color coded nozzles for easy flow rate identification
- Easy fingertip adjustment to any sector of the circle
- Adjustable diffuser pin for stream break-up
- Anti side-splash arm
- Adjustable baffle deflector for reducing distance of throw
- Sturdy metal construction

Specifications:

- Operating range: 25 to 60 PSI
- Three different nozzles: 1/8" green, 9/64" blue, and 5/32" black
- Wetted diameter: up to 92 feet
- 27° trajectory

Materials:

Body: Zinc aluminum alloy
 Nozzle: Plastic and brass
 Washers: NBR Rubber
 Springs and fulcrum pin: stainless steel



Full and Part Circle Metal Sprinkler

Pressure (PSI)	1/8" (Green)		9/64" (Blue)		5/32" (Black)	
	Flow (GPM)	Dia (Feet)	Flow (GPM)	Dia (Feet)	Flow (GPM)	Dia (Feet)
25	2.4	73	2.7	77	3.5	79
35	2.8	78	3.2	82	4.1	85
45	3.2	83	3.6	86	4.6	89
55	3.5	86	3.9	89	5.1	92

Ordering Information

Sprinklers

Model #	Part #	Description	Bag Qty	Box Qty
423B-1/8	76043432	1/2" Metal, Full and Part Circle, 1/8" Nozzle	1	50
423B-9/64	76043435	1/2" Metal, Full and Part Circle, 9/64" Nozzle	1	50
423B-5/32	76043440	1/2" Metal, Full and Part Circle, 5/32" Nozzle	1	50

Sprinklers

Whisper Gear Drive Sprinkler, 1/2" Male, Full and Part Circle Plastic Sprinkler

Applications:

- Ground cover and mass plantings
- General landscape applications
- When over-throw from full circle sprinklers is restricted

Features/Benefits:

- Easy fingertip adjustment to any sector of the circle
- Adjustable baffle deflector for reducing distance of throw
- Molded from durable high-impact engineering grade plastic

Specifications:

- Operating range: 30 to 60 PSI
- 5/32" black nozzle
- Wetted diameter: up to 75 feet
- 25° trajectory

Materials:

Body: Polypropylene
 Nozzle and Gears: Acetal
 Washers: Teflon and Buna



Ordering Information

Whisper Gear Drive Sprinkler

Model #	Part #	Description	Bag Qty	Box Qty
525-5/32	76050360	525 Whisper Gear Drive Sprinkler, 5/32" Red Nozzle (5.2 GPH at 55 PSI))	1	25
WSB	76096481	Weighted Sled Base (48-USA)	1	6
MS	76096120	Metal Spike with Single Water Inlet (Spike 46)	1	25

Sprinklers

Pop-Up Sprinklers - 900 Series

Applications:

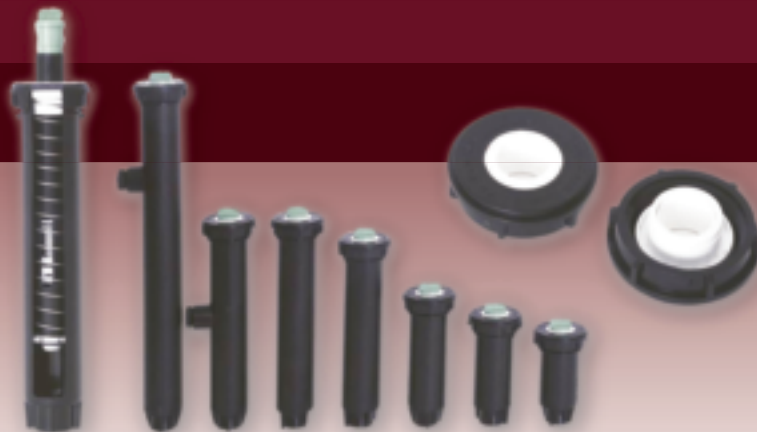
- Residential, commercial, and municipal uses

Features/Benefits:

- Co-molded wiper seal with integral leak stopper gasket to prevent body-cap leaks
- Heavy duty stainless steel retraction spring
- Lateral flush plug to aid in installation
- Ratchet for directional adjustment of spray pattern
- Available in 2", 3", 4", 5", 6", 6" w/ side inlet, and 12" with bottom and side inlet models
- Pressure Regulating Device (PRD) is optional, and may be used in the 4", 5", 6", and 6" side outlet, and 12" models
- Check Valve Device (CKV) is an option available in the 4", 5", 6", 6" side outlet, and 12" models
- Optional purple cap for reclaimed water

Specific to Telescopic Pop-Up Only:

- Telescoping piston for added height in shallow areas
- 7" pop-up has overall retracted body height as 4" pop-up
- 13" pop-up has overall retracted body height as 6" pop-up
- 7" pop-up can retrofit into HIT 4" 900 Series body or Rainbird 1804 body
- 13" pop-up can retrofit into HIT 6" 900 Series body or Rainbird 1806 body
- 20 PSI operating pressure required



Pop-Up Sprinkler Dimensions

Model #	Body Height	Pop-Up Height	Exposed Surface Diameter
902	4 1/2"	2"	2 1/8"
903	5"	3"	2 1/8"
904	6"	4"	2 1/8"
905	8 1/2"	5"	2 1/8"
906	9 1/2"	6"	2 1/8"
906S	9 1/2"	6"	2 1/8"
912	15 1/2"	12"	2 1/8"
907T	4"	7"	2 1/8"
913T	6"	13"	2 1/8"

Specifications:

- Operating pressure: 15 - 70 PSI
- Recommended working pressure: 30 PSI
- Recommended working pressure with PRD: 30 - 70 PSI
- Inlet 1/2" FPT

Materials:

Body, Piston, and Cap: ABS
Spring: Stainless steel

Ordering Information

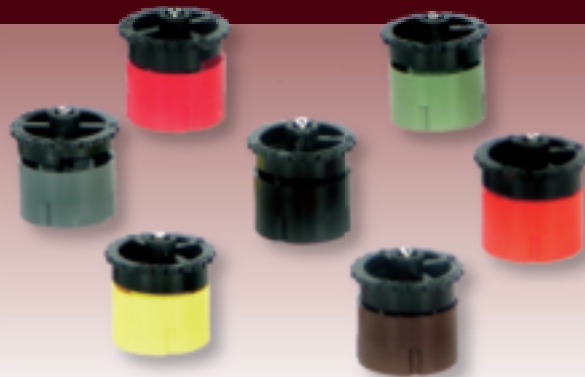
Pop-Up Sprinklers - 900 Series

Model #	Part #	Description	Bag Qty	Box Qty
902	76004002	2" Male Pop-Up Spray Head	-	100
903	76004003	3" Male Pop-Up Spray Head	-	75
904	76004004	4" Male Pop-Up Spray Head	-	75
905	76004005	5" Male Pop-Up Spray Head	-	50
906	76004006	6" Male Pop-Up Spray Head	-	50
902S	76004008	6" Male Pop-Up Spray Head with Side Outlet	-	50
912	76004012	12" Male Pop-Up Spray Head with Side Outlet	-	50
907T	76004007	7" Telescopic Male Pop-Up Spray with 4" Body	-	75
913T	76004013	13" Telescopic Male Pop-Up Spray with 6" Body	-	50

Sprinklers

Adjustable Arc Nozzles

- Available in 4', 6', 8', 10', 12', 15', and 17' radius
- Adjustable from 20° to 360° degrees
- Matched precipitation rates
- Stainless steel screw for flow and radius adjustment
- Pressure range 10 - 40 PSI, 30 PSI optimum
- Full uniform coverage
- ABS plastic construction
- Screen included with each nozzle



Adjustable Arc Nozzles, Female Threads

Model #	Part #	Description	Bag Qty	Box Qty
AA17	76004217	17' Radius, Grey, Female Adjustable Arc Nozzle	25	500
AA15	76004215	15' Radius, Black, Female Adjustable Arc Nozzle	25	500
AA12	76004212	12' Radius, Green, Female Adjustable Arc Nozzle	25	500
AA10	76004210	10' Radius, Red, Female Adjustable Arc Nozzle	25	500
AA8	76004208	8' Radius, Brown, Female Adjustable Arc Nozzle	25	500
AA6	76004206	6' Radius, Orange, Female Adjustable Arc Nozzle	25	500
AA4	76004204	4' Radius, Yellow, Female Adjustable Arc Nozzle	25	500

Fixed Arc Nozzles

- Available in 6', 8', 10', 12', and 15' radius - 90°, 120°, 180°, 270°, and 360° patterns
- Specialty patterns; side strip 4' x 30', side strip 9' x 18', end strip 4' x 15' and center strip 4' x 30'
- 0° and 35° degree trajectory stream spray nozzles
- Stainless steel screw for flow and radius adjustment
- Color coded strainers provided with each nozzle
- Large droplets
- Nozzles compatible with all industry standard pistons



Sprinklers

Fixed Arc Nozzles - Ordering Information

Adjustable Arc Nozzles, Female Threads

Model #	Part #	Description	Bag Qty	Box Qty
15' Standard Spray				
15Q	76004151	Quarter Circle, 15' Radius Standard Spray	25	500
15T	76004152	120° Circle, 15' Radius Standard Spray	25	500
15H	76004153	Half Circle, 15' Radius Standard Spray	25	500
15TT	76004154	240° Circle, 15' Radius Standard Spray	25	500
15TQ	76004155	270° Circle, 15' Radius Standard Spray	25	500
15F	76004156	Full Circle, 15' Radius Standard Spray	25	500
12' Low Gallonage - Brown				
12Q	76004121	Quarter Circle, 12' Radius, Low Gallonage Spray	25	500
12T	76004122	120° Circle, 12' Radius, Low Gallonage Spray	25	500
12H	76004123	Half Circle, 12' Radius, Low Gallonage Spray	25	500
12TT	76004124	240° Circle, 12' Radius, Low Gallonage Spray	25	500
12TQ	76004125	270° Circle, 12' Radius, Low Gallonage Spray	25	500
12F	76004126	Full Circle, 12' Radius, Low Gallonage Spray	25	500
10' Low Angle - Blue				
10QLA	76004101	Quarter Circle, 10' Radius, Low Angle Spray	25	500
10TLA	76004102	120° Circle, 10' Radius, Low Angle Spray	25	500
10HLA	76004103	Half Circle, 10' Radius, Low Angle Spray	25	500
10FLA	76004106	Full Circle, 10' Radius, Low Angle Spray	25	500
8' Flat - Green				
8FSQ	76004081	Quarter Circle, 8' Radius, Flat Spray	25	500
8FST	76004082	120° Circle, 8' Radius, Flat Spray	25	500
8FSH	76004083	Half Circle, 8' Radius, Flat Spray	25	500
8FSF	76004086	Full Circle, 8' Radius, Flat Spray	25	500
6' Flat Low Gallonage - Red				
6FSQ-LG	76004061	Quarter Circle, 6' Radius, Flat Low Gallonage Spray	25	500
6FSH-LG	76004063	Half Circle, 6' Radius, Flat Low Gallonage Spray	25	500
6FSF-LG	76004066	Full Circle, 6' Radius, Flat Low Gallonage Spray	25	500
Special Pattern - Orange				
15SST4	76004137	4' x 30' Side Strip	25	500
17SST9	76004139	9' x 18' Side Strip	25	500
15EST	76004138	4 x 15 Side Strip	25	500
15CST	76004130	4 x 30' Center Strip	25	500
10° Stream Spray - Black				
10°SSQ	76004111	10° Quarter Circle, Stream Spray	25	500
10°SSH	76004113	10° Half Circle, Stream Spray	25	500
10°SSF	76004116	10° Full Circle, Stream Spray	25	500
35° Stream Spray - Black				
35°SSQ	76004351	35° Quarter Circle, Stream Spray	25	500
35°SSH	76004353	35° Half Circle, Stream Spray	25	500
35°SSF	76004356	35° Full Circle, Stream Spray	25	500

Sprinklers

Swing Joint Assemblies

Applications:

- Residential and commercial uses
- For connecting spray heads to lateral lines

Features/Benefits:

- Preassembled - saves time and labor costs
- Easily adjusted for maximum flexibility
- Helps prevent breakage of heads
- Available in many lengths and fitting sizes
- Available in 'quad' assembly for maximum flexibility

Specifications:

- Operating pressure: up to 80 PSI
- 1/2" flow range: up to 8 GPM
- 3/4" flow range: up to 12 GPM
- Temperature range: up to 130^o fahrenheit
- Inlet and Outlet: 1/2" or 3/4" MIPT inlet and outlet



SJA-060505Q
SJA-120505Q
SJA-127575Q
SJA-180505Q



SJA-060505
SJA-060575
SJA-067575
SJA-120505
SJA-120575
SJA-127575
SJA-180505
SJA-180575
SJA-187575

Ordering Information

Swing Joint Assemblies

Model #	Part #	Description	Bag Qty	Box Qty
SJA-060505	72040100	Swing Joint 6" x 1/2" x 1/2"	25	300
SJA-060505Q	72040101	Swing Joint 6" x 1/2" x 1/2" Quad	25	300
SJA-060575	72040102	Swing Joint 6" x 1/2" x 3/4"	25	300
SJA-067575	72040103	Swing Joint 6" x 3/4" x 3/4"	25	300
SJA-120505	72040094	Swing Joint 12" x 1/2" x 1/2"	25	200
SJA-120505Q	72040104	Swing Joint 12" x 1/2" x 1/2" Quad	25	200
SJA-120575	72040093	Swing Joint 12" x 1/2" x 3/4"	25	200
SJA-127575	72040095	Swing Joint 12" x 3/4" x 3/4"	25	200
SJA-127575Q	72040106	Swing Joint 12" x 3/4" x 3/4" Quad	25	200
SJA-180505	72040107	Swing Joint 18" x 1/2" x 1/2"	25	200
SJA-180505Q	72040108	Swing Joint 18" x 1/2" x 1/2" Quad	25	200
SJA-180575	72040109	Swing Joint 18" x 1/2" x 3/4"	25	200
SJA-187575	72040110	Swing Joint 18" x 3/4" x 3/4"	25	200

Filters

General Use 3/4" and 1" Jain Plastic Screen Filters

Applications

- Residential, commercial, and municipal uses
- General landscape applications
- To protect the low volume irrigation system from contaminant

Features/Benefits

- Stainless steel screens from 50 to 200 mesh
- Color coded replacement screens
- Available with cap or flush valve
- Simple maintenance: screen can be easily removed for cleaning
- Available with 3/4" and 1" pipe threads

Specifications

- Operating pressure: up to 85 PSI
- 3/4" flow range: up to 12 GPM
- 1" flow range: up to 30 GPM
- Temperature range: up to 170^o fahrenheit
- Filtration elements:
 - Nylon: 150 mesh
 - Stainless Steel: 50, 100, 150, and 200 mesh
- Inlet and Outlet:
 - 3/4" MPT inlet x 3/4" MPT outlet
 - 1" MPT inlet x 1" MPT outlet

Materials

- Body and cover: Polypropylene
- O-Ring: Nitrile rubber
- Screens: Stainless steel 304 or nylon
- Cap and valve: Polypropylene

Jain Super Flow[®] Screen Filters

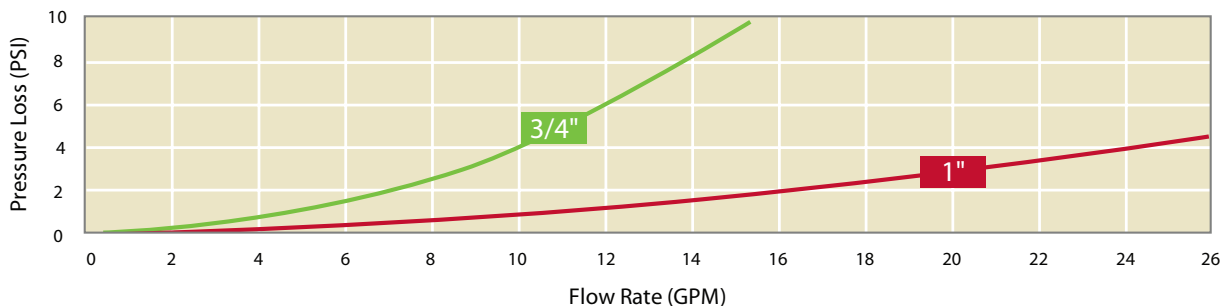


JF-075-50
JF-075-100
JF-075-150
JF-075-200
JF-075-150-N



JF-100-50
JF-100-100
JF-100-150
JF-100-200
JF-100-150-N

General Use 3/4" and 1" Jain Plastic Screen Filters



Filters

General Use 3/4" and 1" Jain Plastic Screen Filters - Ordering Information

General Use 3/4" and 1" Jain Plastic Screen Filters

Model #	Part #	Description	Bag Qty	Box Qty
JF-075-50	72130300	3/4" Screen Filter, with SS 50 Mesh Screen and Flush Cap	1	16
JFFV-075-50	72130320	3/4" Screen Filter, with SS 50 Mesh Screen and Flush Valve	1	16
JF-075-100	72130301	3/4" Screen Filter, with SS 100 Mesh Screen and Flush Cap	1	16
JFFV-075-100	72130321	3/4" Screen Filter, with SS 100 Mesh Screen and Flush Valve	1	16
JF-075-150	72130302	3/4" Screen Filter, with SS 150 Mesh Screen and Flush Cap	1	16
JFFV-075-150	72130322	3/4" Screen Filter, with SS 150 Mesh Screen and Flush Valve	1	16
JF-100-200	72130303	3/4" Screen Filter, with SS 200 Mesh Screen and Flush Cap	1	16
JFFV-100-200	72130323	3/4" Screen Filter, with SS 200 Mesh Screen and Flush Valve	1	16
JF-100-50	72130310	1" Screen Filter, with SS 50 Mesh Screen and Flush Cap	1	16
JFFV-100-50	72130330	1" Screen Filter, with SS 50 Mesh Screen and Flush Valve	1	16
JF-100-100	72130311	1" Screen Filter, with SS 100 Mesh Screen and Flush Cap	1	16
JFFV-100-100	72130331	1" Screen Filter, with SS 100 Mesh Screen and Flush Valve	1	16
JF-100-150	72130312	1" Screen Filter, with SS 150 Mesh Screen and Flush Cap	1	16
JFFV-100-150	72130332	1" Screen Filter, with SS 150 Mesh Screen and Flush Valve	1	16
JF-100-200	72130313	1" Screen Filter, with SS 200 Mesh Screen and Flush Cap	1	16
JFFV-100-200	72130333	1" Screen Filter, with SS 200 Mesh Screen and Flush Valve	1	16
JF-075-150-N	72130304	3/4" Screen Filter with Nylon 150 Mesh Screen and Flush Cap	1	16
JFFV-075-150-N	72130324	3/4" Screen Filter with Nylon 150 Mesh Screen and Flush Valve	1	16
JF-100-150-N	72130314	1" Screen Filter with Nylon 150 Mesh Screen and Flush Valve	1	16
JFFV-100-150-N	72130334	1" Screen Filter with Nylon 150 Mesh Screen and Flush Cap	1	16

Plastic Swivel T-Filters - Ordering Information



4E-3/4T-50
4E-3/4T-100
4E-3/4T-150
4E-3/4T-200



T-50M
T-100M
T-150M
T-200M

Plastic Swivel T-Filter - 3/4" FHS x 3/4" MHT

Model #	Part #	Description	Bag Qty	Box Qty
4E-3/4T-50	72130088	3/4" FHS x 3/4" MHT Yellow 50 Mesh Stainless Steel Screen Filter	10	50
4E-3/4T-100	72130082	3/4" FHS x 3/4" MHT Blue 100 Mesh Stainless Steel Screen Filter	10	50
4E-3/4T-150	72130084	3/4" FHS x 3/4" MHT Black 150 Mesh Stainless Steel Screen Filter	10	50
4E-3/4T-200	72130086	3/4" FHS x 3/4" MHT Red 200 Mesh Stainless Steel Screen Filter	10	50
T-50M	72110035	Yellow 50 Mesh Stainless Steel Screen Replacement	10	100
T-100M	72110031	Blue 100 Mesh Stainless Steel Screen Replacement	10	100
T-150M	72110032	Black 150 Mesh Stainless Steel Screen Replacement	10	100
T-200M	72110033	Red 200 Mesh Stainless Steel Screen Replacement	10	100

Filters

Plastic Spin Clean® Screen Filters

Plastic Spin-Clean™ Filters are designed to use a directional nozzle plate on the interior of the stainless steel screen. The spinning action keeps the debris in suspension to collect any discharge in the basin.

Applications

- Residential, commercial, and municipal uses
- General landscape applications
- To protect the low volume irrigation system from contaminants

Features/Benefits

- Debris is concentrated in the collection basin
- Available with ball valve for flushing debris basin
- Color coded replacement screens
- Simple maintenance: screen can be easily removed for cleaning
- Available with 3/4", 1", 1 1/2", and 2" pipe threads
- Light weight and chemical resistant
- Centrifugal action keeps the filter screen cleaner far longer than conventional designs

Specifications

- Operating pressure:
3/4" and 1" models are available in 80 PSI or 150 PSI models: 1 1/2" and 2" models are rated at 150 PSI
- Flow range:
3/4" - up to 9 GPM
1" - up to 18 GPM
1/2" - up to 55 GPM
2" - up to 110 GPM
- Temperature range: up to 170° fahrenheit
- Filtration elements: 100 and 150 mesh

Materials

Body, cover, and nut: Glass filled polypropylene

O-Rings: Nitrile rubber

Screens: Stainless steel 304

Please see the Jain Plastic Spin Clean® Filter brochure for operating instructions and technical information.

3/4" and 1" w/ Flush Cap



4E-3/4A-100
4E-3/4A-150
4E-1AN-100
4E-1AN-150

3/4" and 1" w/ Flush Valve



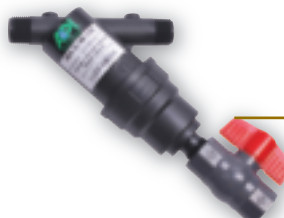
4E-3/4B-100
4E-3/4B-150
4E-1BN-100
4E-1BN-150

1" High Pressure w/ Flush Cap



4EH-1AN-100
4EH-1AN-150

1" High Pressure w/ Flush Valve



4EH-1BN-100
4EH-1BN-150

1 1/2" w/ Flush & Ball Valve



4EH-2P-100
4EH-2P-150

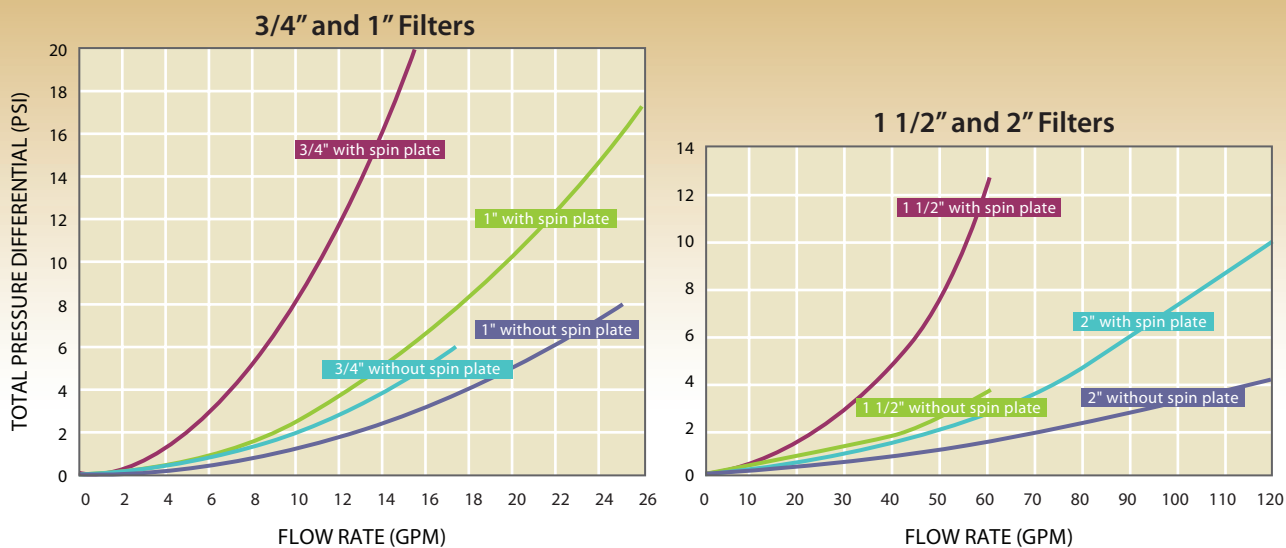
2" w/ Flush & Ball Valve



4EH-11/2-100
4EH-11/2-150

Filters

Plastic Spin Clean® Screen Filters



Ordering Information

Plastic Spin Clean® Filters

Model #	Part #	Description	Bag Qty	Box Qty
4E-3/4A-100	72130070	Blue - 100 Mesh SS Screen, 3/4" MPT with MHT Flush Cap	1	8
4E-3/4B-100	72130076	Blue - 100 Mesh SS Screen, 3/4" MPT with MHT Flush Valve	1	8
4E-3/4A-150	72130071	Black - 150 Mesh SS Screen, 3/4" MPT with MHT Flush Cap	1	8
4E-3/4B-150	72130077	Black - 150 Mesh SS Screen, 3/4" MPT with MHT Flush Valve	1	8
4E-1AN-100	72130175	Blue - 100 Mesh SS Screen, 1" MPT MHT Flush Cap	1	8
4E-1BN-100	72130185	Blue - 100 Mesh SS Screen, 1" MPT with MHT Flush Valve	1	6
4E-1AN-150	72130177	Black - 150 Mesh SS Screen, 1" MPT with MHT Flush Cap	1	8
4E-1BN-150	72130187	Black - 150 Mesh SS Screen, 1" MPT with MHT Flush Valve	1	6
4EH-1AN-100	72130195	Blue - 100 Mesh SS Screen, 1" MPT with MPT Flush Cap, 150 PSI	1	8
4EH-1BN-100	72130205	Blue - 100 Mesh SS Screen, 1" MPT with MPT Flush Valve, 150 PSI	1	6
4EH-1AN-150	72130197	Black - 150 Mesh SS Screen, 1" MPT with MPT Flush Cap, 150 PSI	1	8
4EH-1BN-150	72130207	Black - 150 Mesh SS Screen, 1" MPT with MPT Flush Valve, 150 PSI	1	6
4EH-1 1/2-100	72130090	Blue - 100 Mesh SS Screen, 1 1/2" MPT with MPT Flush Valve	-	1
4EH-1 1/2-150	72130091	Black - 150 Mesh SS Screen, 1 1/2" MPT with MPT Flush Valve	-	1
4EH-2P-100	72130105	Blue - 100 Mesh SS Screen, 2" MPT with MPT Flush Valve	-	1
4EH-2P-150	72130106	Black - 150 Mesh SS Screen, 2" MPT with MPT Flush Valve	-	1

Filters

General Use 3/4", 1", and 1 1/2" Plastic Disc Filters

Applications

- Residential, commercial, and municipal uses

Features/Benefits

- Sediments accumulate on the outer surface of the stacked discs
- Low friction loss
- Color-coded replacement discs
- Extra large filtration capacity equals less frequent cleaning
- Simple maintenance: discs can be easily removed for cleaning
- Available with 3/4", 1", and 1 1/2" pipe threads

Specifications

- Operating pressure: up to 115 PSI
- Flow range: up to 60 GPM
- Temperature range: up to 170° fahrenheit
- Filtration elements: 120 and 155 mesh
- Inlet and Outlet:
 - 3/4" MPT inlet x 3/4" MPT outlet
 - 1" MPT inlet x 1" MPT outlet
 - 1 1/2" MPT inlet x 1 1/2" MPT outlet

3/4" & 1" Plastic Disc Filters



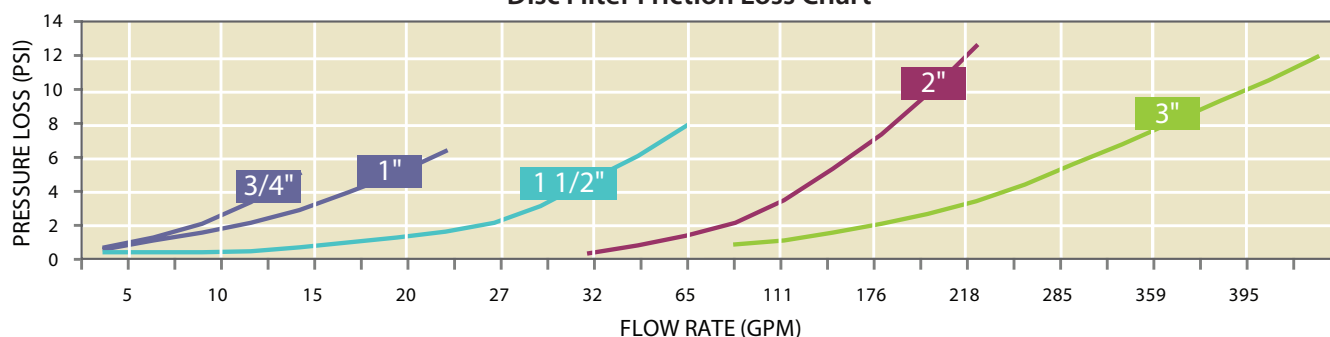
1 1/2" Plastic Disc Filter



Materials

Body, cover, and nut: Glass filled polypropylene
 O-Ring: Nitrile rubber
 Disc frame: Polypropylene

Disc Filter Friction Loss Chart



Ordering Information

Plastic Spin Clean® Filters

Model #	Part #	Description	Bag Qty	Box Qty
75D120	72151006	3/4" Disc Filter with 120 Mesh Element	1	12
75D155	72151024	3/4" Disc Filter with 155 Mesh Element	1	12
100D120	72151007	1" Disc Filter with 120 Mesh Element	1	12
100D155	72151009	1" Disc Filter with 155 Mesh Element	1	12
150D120	72151012	1 1/2" Disc Filter with 120 Mesh Element	-	1
150D155	72151010	1 1/2" Disc Filter with 155 Mesh Element	-	1

Filters

Commercial Grade 2" and 3" Plastic Disc Filters

Applications

- Commercial, and municipal uses
- General landscape applications
- To protect the low volume irrigation system from contaminants

Features/Benefits

- Sediments accumulate on the outer surface of the stacked discs allowing water to flow through the discs and out of the filter
- Low friction loss
- Discs provide extremely high resistance to corrosion and chemicals
- Extra large filtration capacity requires less frequent cleaning
- Simple maintenance: discs can be easily removed for cleaning
- Available with 2" and 3" pipe threads

Specifications

- Operating pressure: up to 142 PSI
- Flow range: up to 220 GPM
- Temperature range: up to 170^o fahrenheit
- Filtration elements: 120 mesh

Materials

Body and cover: Glass filled polypropylene
O-Ring: SBR rubber
Clamp: Stainless steel
Disc frame: Polyacetal with stainless steel rod
Discs: Polypropylene



Ordering Information

Plastic Spin Clean® Filters

Model #	Part #	Description	Bag Qty	Box Qty
200D120	72151002	2" Disc Filter with 120 Mesh Element	-	1
300D120	72151005	3" Disc Filter with 120 Mesh Element	-	1

Filters

Replacement Screen and Disc Elements

For 3/4" to 1" Y-Filter
Stainless Steel



PS64S

For 3/4" to 1" Y-Filter
Nylon



PS65

For 3/4" & 1"
Spin Clean Filters



3/4" & 1"-100M
3/4" & 1"-150M

For 1/2" & 2"
Spin Clean Filters



1 1/2" & 2"-100M
1 1/2" & 2"-150M

Disc Elements



Ordering Information

Replacement Screen and Disc Elements

Model #	Part #	Description	Bag Qty	Box Qty
RSS50 3/4" & 1"	72130400	3/4" and 1" Stainless Steel 50 Mesh Economy Screen	1	30
RSS100 3/4" & 1"	72130401	3/4" and 1" Stainless Steel 100 Mesh Economy Screen	1	30
RSS150 3/4" & 1"	72130402	3/4" and 1" Stainless Steel 150 Mesh Economy Screen	1	30
RSS20 3/4" & 1"	72130403	3/4" and 1" Stainless Steel 200 Mesh Economy Screen	1	30
RSN50 3/4" & 1"	72130404	3/4" and 1" Nylon 150 Mesh Economy Screen	1	30
3/4" & 1"-100M	72140031	4E Blue - 100 Mesh Stainless Steel Screen for 3/4" and 1" Filters	1	30
3/4" & 1"-150M	72140032	4E Black - 150 Mesh Stainless Steel Screen for 3/4" and 1" Filters	1	30
1 1/2" & 2"-100M	72140045	4E Blue - 100 Mesh Stainless Steel Screen for 1 1/2" and 2" Filters	1	4
1 1/2" & 2"-150M	72140046	4E Black - 150 Mesh Stainless Steel Screen for 1 1/2" and 2" Filters	1	4
RD120 3/4" & 1"	72161037	3/4" and 1" 120 Mesh Disc Element	1	4
RD150 3/4" & 1"	72161038	3/4" and 1" 155 Mesh Disc Element	1	4
RD120 1 1/2"	72161060	1 1/2" 120 Mesh Disc Element	-	1
RD150 1 1/2"	72161061	1 1/2" 155 Mesh Disc Element	-	1
RD120 2"	72161024	2" 120 Mesh Disc Element	-	1
RD120 3"	72161024	3" 120 Mesh Disc Element	-	1

Filtration Kits

Filter Kits - Residential and Commercial

Residential/Light Commercial Filter Assemblies

Applications

- Residential and commercial drip zone applications

Features and Benefits

- Convenient package with all necessary items
- Variety of packages to suit the right application
- Saves installation time
- Reduced labor costs

Specifications

- Low Flow Regulator: 30 PSI, or
- Medium Flow Regulator: 40 PSI
- Filtration - 150 mesh stainless steel screen
- Maximum Pressure: 80 PSI
- Flow Requirements: 0.1 to 8 GPM (6.0 to 480 GPH)

Filter Kits Parts Breakdown

Economy Kit

Part #	Description
72130304	3/4" Jain Filter, 150 Nylon Mesh
72100064	3/4" Hendrickson 30 PSI Pressure Regulator
12011213	3/4" FPT x 700/710 V2 Compression Adapter
32040056	1" x 3/4" Reducer Bushing

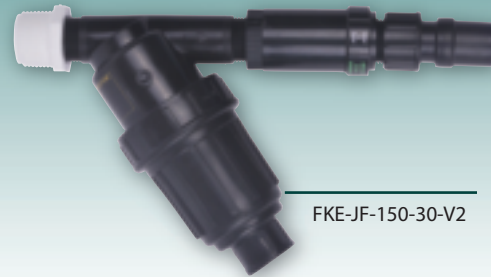
Residential Kit

Part #	Description
72130302	3/4" Jain Filter, 150 Stainless Steel Mesh
72100029	3/4" Senninger 30 PSI Low Flow
72050010	PL-55 with 3/4" MPT
32040056	1" x 3/4" Reducer Bushing

Residential/Commercial Kit

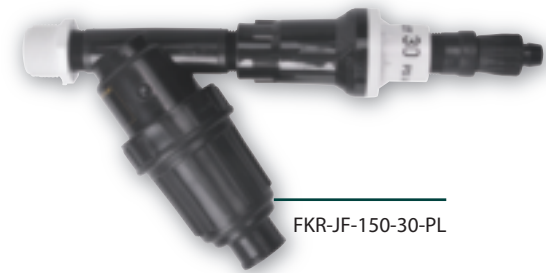
Part #	Description
72130071	3/4" 4E Filter w/150 SS screen
72100035	3/4" Senninger 40 PSI Low Flow
72050010	PL-55 with 3/4" MPT
32040056	1" x 3/4" Reducer Bushing

Economy Kit



FKE-JF-150-30-V2

Residential Kit



FKR-JF-150-30-PL

Residential /Commercial Kit



FKC-4E-150-40-PL



Filtration Kits

Filter Kits - Commercial

Commercial Filter Assemblies

Applications

- Commercial drip zone applications

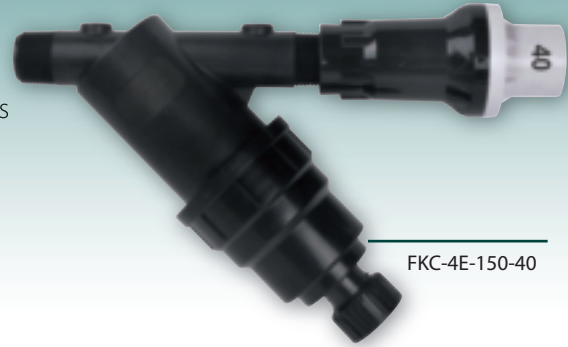
Features and Benefits

- Convenient package with all necessary items
- Saves installation time
- Reduced labor costs

Specifications

- Low Flow Regulator: 30 PSI, or
- Medium Flow Regulator: 40 PSI
- Filtration - 150 mesh stainless steel screen
- Maximum Pressure: 150 PSI
- Flow Requirements: 0.1 to 8 GPM (6.0 to 480 GPH)

Commercial Kit



FKC-4E-150-40

Filter Kits Parts Breakdown

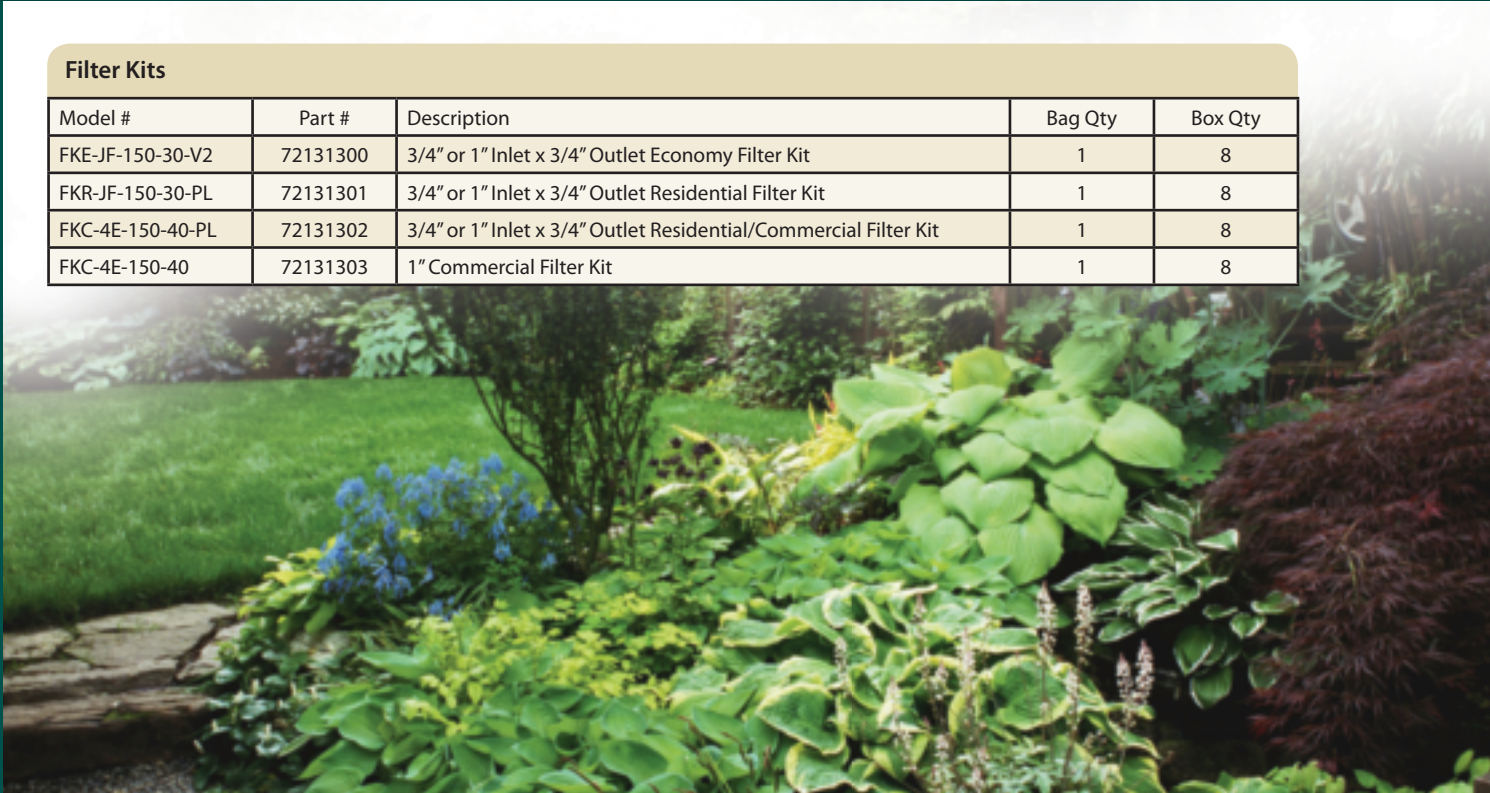
Commercial Kit

Part #	Description
72130197	1" 4E Filter w/150 Mesh SS Screen
72100036	1" Senninger 40 PSI Medium Flow

Ordering Information

Filter Kits

Model #	Part #	Description	Bag Qty	Box Qty
FKE-JF-150-30-V2	72131300	3/4" or 1" Inlet x 3/4" Outlet Economy Filter Kit	1	8
FKR-JF-150-30-PL	72131301	3/4" or 1" Inlet x 3/4" Outlet Residential Filter Kit	1	8
FKC-4E-150-40-PL	72131302	3/4" or 1" Inlet x 3/4" Outlet Residential/Commercial Filter Kit	1	8
FKC-4E-150-40	72131303	1" Commercial Filter Kit	1	8



Filtration Kits

Control Zone Kits

Applications

- Residential, commercial, municipal, and golf

Features/Benefits

- Control Zone Assemblies come with all of the necessary components for any low volume irrigation system

Installation

- All components in one pack
- Kit comes complete with control valve, pressure regulator, and filter
- Drip Zone kits fit into standard valve box (except for anti-siphon kit)
- The fitting for connecting poly tube or dripline only included in Residential

Specifications

- See specifications for the individual components
- See specifications table

Residential Low Flow Control Zone Kit



LFR13303S1

Residential Low Flow Disc Filter Control Zone Kit



LFR13305D1

Residential Anti-Siphon Low Flow Control Zone Kit



LFR13305D1

Control Kit Specifying Information

Flow	Control Zone Type	Inlet Threads	Outlet Threads	Pressure Regulator	Filter Mesh	Screen Type	Voltage
LF - Low Flow	E-Economy	1 - 1"	1 - 1"	15 - 15 PSI	1 - 50 Mesh Screen	D - Disc	1 - 24 VAC
MF - Medium Flow	R-Residential	3 - 3/4"	3 - 3/4"	20 - 20 PSI	2 - 100 Mesh Screen	S-SS	2 - 12 VDC
HF - High Flow	RC-Res/Com			25 - 25 PSI	3 - 150 Mesh Screen	N - Nylon	3 - 24 VAC Anti Siphon
	C-Commercial			30 - 30 PSI	4 - 200 Mesh Screen		
				35 - 35 PSI	5 - 120 Mesh Disc		
				40 - 40 PSI			

Filtration Kits

Control Zone Kits

Residential/Commercial Medium Flow Control Zone Kit



MFRC13403S1

Residential/Commercial Anti-Siphon Medium Flow Control Zone Kit



MFRC1330S1

Commercial Medium Flow Control Zone Kit



MFC11403S1

Ordering Information

Control Zone Kits

Model #	Part #	Description	Bag Qty	Box Qty
LFR13303S1	72131310	Residential Control Zone Kit - Low Flow, 30 PSI PR, 150 Mesh SS Filter, 1" FPT Inlet X 3/4" MPT Outlet, 24 VAC	1	5
LFR13305D1	72131311	Residential Control Zone Kit - Low Flow, 30 PSI PR, 120 Mesh Disc Filter, 1" FPT Inlet X 3/4" MPT Outlet, 24 VAC	1	5
LFRC13403S1	72131312	Residential/Commercial Control Zone Kit - Medium Flow, 30 PSI PR, 150 Mesh 4E Filter, 1" FPT Inlet X 3/4" MPT Outlet, 24VAC	1	5
MFC11403S1	72131313	Commercial Control Zone Kit - Medium Flow, 40 PSI PR, 150 Mesh 4E Filter, 1" FPT Inlet X 1" MPT Outlet, 24VAC	1	5
LFR33303S3	72131314	Residential Control Zone Kit with Anti-Siphon Valve, Low Flow, 3/4" Inlet x 3/4" Outlet, 150 Mesh Filter, 30 PSI Pressure Regulator, 24 VAC	1	5
MFRC1330S1	72131315	Residential/Commercial Control Zone Kit with Anti-Siphon Valve, Medium Flow, 1" Inlet X 3/4" Outlet, 150 Mesh 4E Filter, 40 PSI Pressure Regulator, 24 VAC	1	5

The above models are available as off-the-shelf items. Additional options are available in the specification table. There will be an assembly delay of 5 days in shipment for non-stock assemblies.

Filtration Kits

Control Zone Kits

Residential Low Flow Control Zone Kit - LFR13303S1

Part #	Description
74103070	Series 300 1" Straight Through Flow Path with Flow Control, 24 VAC
32040056	1"x3/4" Reducer Bushing
72130302	3/4" Jain Filter, 150 Stainless Steel Mesh
72100029	3/4" Senninger 30 PSI Low Flow
72050318	Power-Loc (55) x 3/4" MA

Commercial Medium Flow Control Zone Kit - MFC11403S1

Part #	Description
72220120	1" Threaded Ball Valve
32040060	1" PVC close nipple
74100312	1" Threaded Globe Plastic Valve with Flow Control 24,VAC
72130197	1" 4EH filter w/150 mesh SS screen
72100036	1" Senninger 40 PSI Medium Flow

Residential Low Flow Control Zone Kit - LFR13305D1

Part #	Description
74103070	Series 300 1" Straight Through Flow Path with Flow Control, 24 VAC
32040056	1"x3/4" Reducer Bushing
72151006	3/4" Disc Filter, 120 Mesh
72100030	3/4" Senninger 30 PSI Low Flow
72050317	Power-Loc (55) x 3/4" MA

Residential/Commercial Medium Flow Control Zone Kit - LFRC13403S1

Part #	Description
74100312	1" Threaded Globe Plastic Valve with Flow Control 24,VAC
32040056	1"x3/4" Reducer Bushing
72130071	3/4" 4E Filter w/150 SS Screen
72100035	3/4" Senninger 40 PSI Medium Flow

Residential Anti-Siphon Low Flow Control Zone Kit - LFR33303S3

Part #	Description
74103060	3/4" Anti Siphon Valve, Female Thread Inlet and Outlet with Flow Control
72130302	3/4" Jain Filter, 150 Stainless Steel Mesh
72100029	3/4" Senninger 30 PSI Low Flow
72050317	Power-Loc (55) x 3/4" MA

Residential/Commercial Anti-Siphon Medium Flow Control Zone Kit - MFRC1330S1

Part #	Description
74103061	1" Anti Siphon Valve, Female Thread Inlet and Outlet with Flow Control
72130077	1" 4E Filter w/150 SS Screen
72100036	1" Senninger 40 PSI Medium Flow



Fittings

Compression Fittings

Applications

- To connect dripline and polyethylene tubing

Features/Benefits

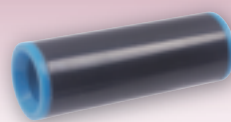
- Secure and easy installation without glue or clamps
- UV resistant
- High impact plastic
- Operating pressure: up to 60 PSI
- Color coded
- Fits 16mm, 600 x 700, and 18mm dripline
- Fits 1/2" polyethylene tubing .700, and .710 outside diameter

Materials

Body: ABS or Polypropylene

Adapter: PVC

Compression Couplings



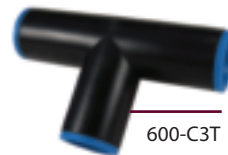
600-CC
700-CC
710-CC

Compression Elbow



600-CELL
700-CELL
710-CELL

3-Way Compression Tees



600-C3T
700-C3T
710-C3T

Compression x MPT Adapter 1/2" Thread



600-CMA
700-CMA
710-CMA

Compression x Swivel Adapter



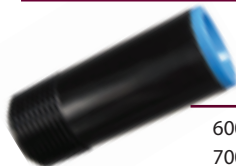
600-CHS-WW
700-CHS-WW
710-CHS-WW

Compression Adapter



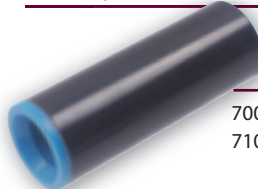
600-CA
700-CA
710-CA

Compression 3/4" MPT Adapter



600-CRMA
700-CRMA
710-CRMA

Compression x 1/2" Socket



700-SA
710-SA

Compression x FPT Tee



600 CTEEF
700 CTEEF
710 CTEEF

Compression x Pipe Thread Swivel Adapter



600-CPS-WW
700-CPS-WW
710-CPS-WW

Threaded Cap End Closure



600-CETC
700-CETC
710-CETC

Fittings

Compression Fittings - Ordering Information

600 Series - Green Ends

Model #	Part #	Description	Bag Qty	Box Qty
600-CC	72010214	Series 600 Compression Coupling	25	400
600-C3T	72010210	Series 600 Compression Tee	15	150
600-CELL	72010220	Series 600 Compression Elbow	25	300
600-CMA	72010234	Series 600 Compression x 1/2" MPT Adapter	25	400
600-CRMA	72010236	Series 600 Compression x 3/4" MPT	25	400
600-CA	72010213	Series 600 Compression Adapter	100	1,000
600-CHS-WW	72010233	Series 600 Compression Adapter x 3/4" Female Swivel Adapter	25	200
600-CPS-WW	72501086	Series 600 Compression Adapter x 3/4" Female Pipe Swivel Adapter	25	200
600-CETC	72010226	Series 600 Threaded Cap End Closure	25	300
600-CELLF	72012200	Series 600 Compression x 1/2" FPT Elbow	25	200
600-CTEEF	72012201	Series 600 x Series 600 x 1/2" FPT Tee	15	150

700 Series - Black Ends

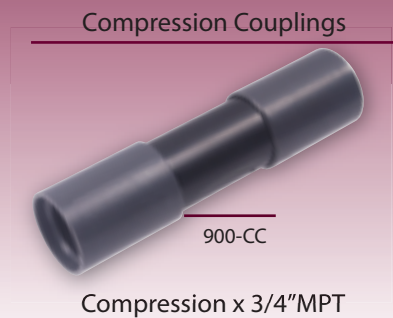
Model #	Part #	Description	Bag Qty	Box Qty
700-CC	72010301	Series 700 Compression Coupling	25	400
700-C3T	72010296	Series 700 Compression Tee	15	150
700-CELL	72010307	Series 700 Compression Elbow	25	300
700-CMA	72010321	Series 700 Compression x 1/2" MPT Adapter	25	400
700-CRMA	72010323	Series 700 Compression X 3/4" MPT	25	400
700-CA	72010299	Series 700 Compression Adapter	100	1,000
700-CHS-WW	72010320	Series 700 Compression Adapter x 3/4" Female Swivel Adapter	25	200
700-SA	72500994	Series 700 Compression Adapter x 1/2" Socket/3/4" Spigot	25	200
700-CPS-WW	72501086	Series 700 Compression Adapter x 3/4" Female Pipe Swivel Adapter	25	200
700-CETC	71200313	Series 700 Threaded Cap End Closure	25	300
700-CELLF	72010308	Series 700 Compression x 1/2" FPT Elbow	25	200
700-CTEEF	72010333	Series 700 x Series 700 x 1/2" FPT Tee	15	150

710 Series - Blue Ends

Model #	Part #	Description	Bag Qty	Box Qty
710-CC	72010353	Series 710 Compression Coupling	25	400
710-C3T	72010348	Series 710 Compression Tee	15	150
710-CELL	72010359	Series 710 Compression Elbow	25	300
710-CMA	72010373	Series 710 Compression x 1/2" MPT Adapter	25	400
710-CRMA	72010375	Series 710 Compression X 3/4" MPT	25	400
710-CA	72010351	Series 710 Compression Adapter	100	1,000
710-CHS-WW	72010372	Series 710 Compression Adapter x 3/4" Female Hose Swivel Adapter	25	200
710SA	72500997	Series 710 Compression Adapter x 1/2" Socket/3/4" Spigot	25	200
710-CPS-WW	72500948	Series 710 Compression Adapter x 3/4" Female Pipe Swivel Adapter	25	200
710-CETC	72010365	Series 710 Threaded Cap End Closure	25	300
710-CELLF	72010360	Series 710 Compression x 1/2" FPT Elbow	25	200
710-CTEEF	72010385	Series 710 x Series 710 x 1/2" FPT Tee	15	150

Fittings

Compression fittings - 900 Series



Fittings will work on all 3/4" hose sizes including .927" x .817", .940" x .820", and .940" x .830"

Ordering Information

900 Series

Model #	Part #	Description	Bag Qty	Box Qty
900-CC	72010504	Series 900 Compression Coupling	25	300
900-C3T	72010499	Series 900 Compression Tee	25	200
900 CELL	72010511	Series 900 Compression Elbow	25	200
900-CMAG	72010523	Series 900 Compression X 3/4" MPT	25	200
900-CA	72010503	Series 900 Compression Adapter	50	500
900 CETC	72010516	Series 900 Threaded Cap End Closure	25	200
900-CHS-WW	72010524	Series 900 Compression Adapter x 3/4" Female Hose Swivel Adapter	25	200



Fittings

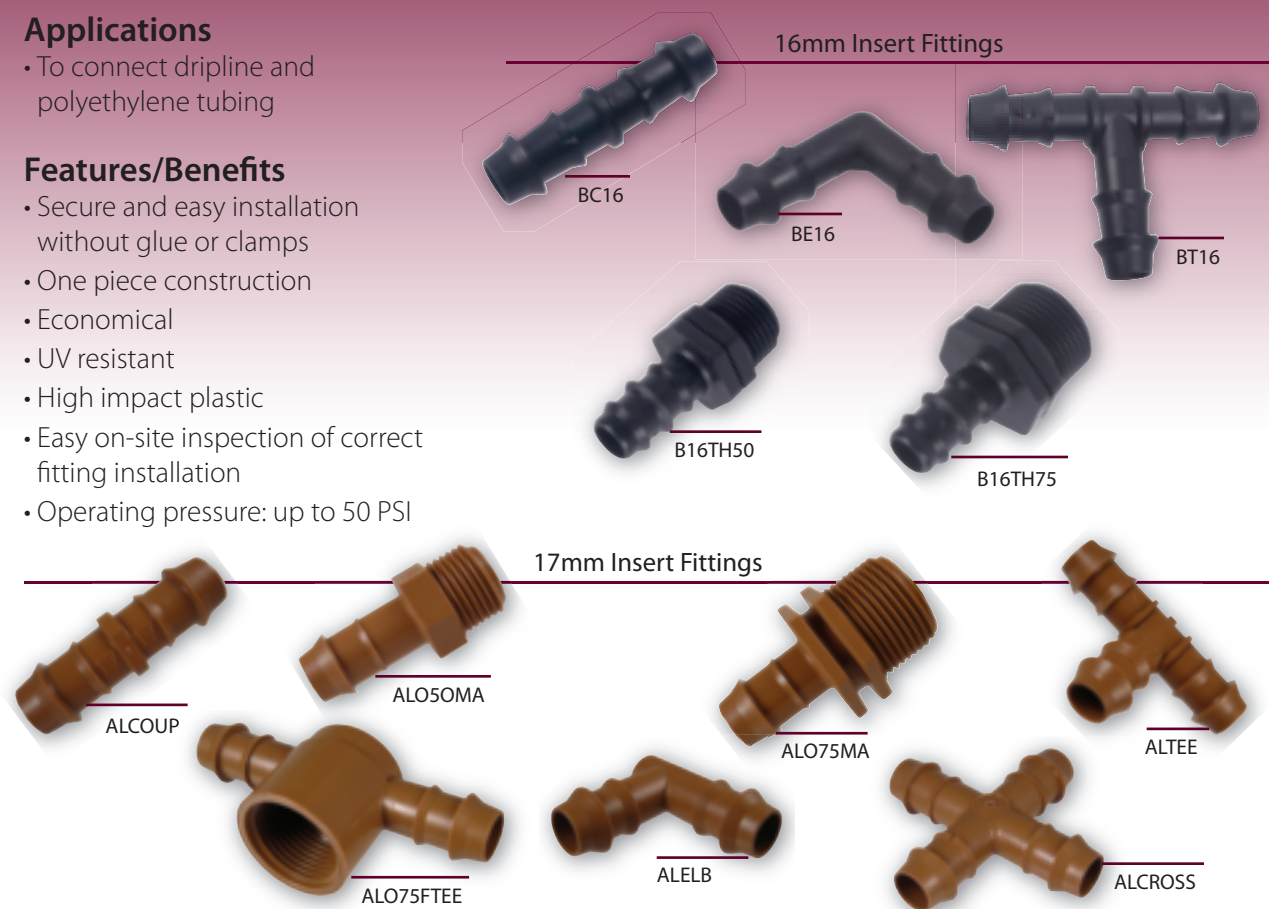
Insert or Barbed Fittings

Applications

- To connect dripline and polyethylene tubing

Features/Benefits

- Secure and easy installation without glue or clamps
- One piece construction
- Economical
- UV resistant
- High impact plastic
- Easy on-site inspection of correct fitting installation
- Operating pressure: up to 50 PSI



Ordering Information

16mm Insert Fittings

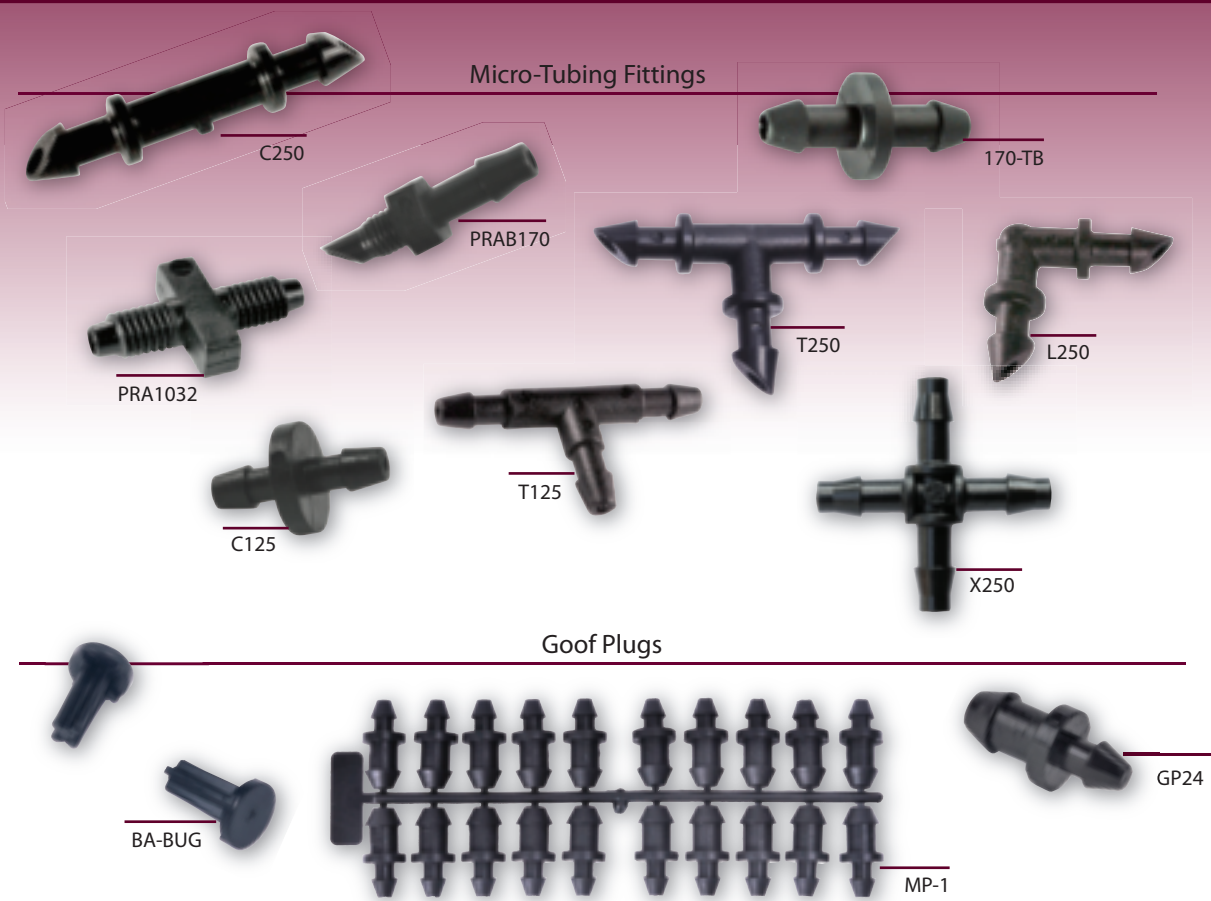
Model #	Part #	Description	Bag Qty	Box Qty
BC16	72291034	16mm Insert Coupling	25	300
BT16	72291023	16mm Barbed Tee	25	300
BE16	72291020	16mm Insert Elbow	25	300
B16TH50	72201003	16mm Insert x 1/2" MPT Adapter	25	300
B16TH75	72291005	16mm Insert x 3/4" MPT Adapter	25	300

17mm Insert Fittings

Model #	Part #	Description	Bag Qty	Box Qty
ALCOUP	72291013	17mm Insert Coupling	25	300
AL050MA	72291010	17mm Insert x 1/2" MPT Adapter	25	300
AL075MA	72291011	17mm Insert x 3/4" MPT Adapter	25	300
ALTEE	72291024	17mm Barbed Tee	25	300
ALELB	72291022	17mm Insert Elbow	25	300
ALCROSS	72291027	17mm Insert Cross	25	300
AL075FTEE	72291028	17mm Insert Tee with 3/4" FPT	25	300

Fittings

Insert or Barbed Fittings



Ordering Information

Micro-Tubing Fittings

Model #	Part #	Description	Bag Qty	Box Qty
C250	72501964	1/4" Connector - Barb x Barb, fits 0.160/0.170 ID tubing	100	1000
T250	72500542	1/4" Tee - Barb x Barb x Bbarb, fits 0.160/0.170 ID tubing	100	1000
L250	72015079	1/4" Elbow - Barb x Barb, fits 0.160/0.170 ID tubing	100	1000
170-TB	72290009	1/4" Connector, fits 0.160/0.170 ID tubing	100	1000
PRA1032	72500492	Adaptor - 10-32 Thread x 10-32 Thread, fits 0.160 ID tubing	100	1000
PRAB170	72500493	Adaptor - Thread x Barb, fits 0.160 ID tubing	100	1000
C125	72290006	1/8" Connector - Barb x Barb, fits .125 ID tubing	100	1000
T125	72500541	1/8" Tee - Barb x Barb x Barb, fits .125 ID tubing	50	1000
X250	72500346	1/4" Cross	50	1000

Goof Plugs

Model #	Part #	Description	Bag Qty	Box Qty
MP-1	72290034	Dual goof plug (20 per rack)	100	1000
BA-BUG	72500286	Insect plug for 1/4"	100	1000
GP24	72500397	Dual Plug	100	1000

Fittings

Power Loc™ Fittings

Applications

- To connect dripline and polyethylene tubing

Features/Benefits

- Easy to assemble and disassemble if required
- Range of fitting sizes fits all sizes of dripline and polyethylene tubing
- Secure and easy installation without glue or clamps
- Locking mechanism ensures secure connections
- High impact plastic
- Operating pressure: up to 60 PSI

Materials

Body: Glass reinforced polypropylene

Nut: Glass reinforced polypropylene

Power-Loc™ Coupling



PL-50-PC
PL-55-PC
PL-60-PC
PL-80-PC
PL-100-PC

Power-Loc™ Tee



PL-50-P3T
PL-55-P3T
PL-60-P3T
PL-80-P3T
PL-100-P3T

Power-Loc™ 90° Elbow



PL-50-PELL
PL-55-PELL
PL-60-PELL
PL-80-PELL
PL-100-PELL

Power-Loc™ w/ 3/4" Female Hose Swivel



PL-50-PHS-WW
PL-55-PHS-WW
PL-60-PHS-WW
PL-80-PHS-WW
PL-100-PHS-WW

Power-Loc™ x Male Adapter (1/2" MPT)



PL-50-P1/2-MA
PL-55-P1/2-MA
PL-60-P1/2-MA

Power-Loc™ x Male Adapter (3/4" MPT)



PL-50-P3/4-MA
PL-55-P3/4-MA
PL-60-P3/4-MA
PL-80-P3/4-MA

Power-Loc™ x w/ 1/2" Socket, 3/4" Spigot



PL-50-SSP
PL-55--SSP
PL-60--SSP

Power-Loc™ x w/ 3/4" Socket, 1" Spigot



PL-50-SSP1
PL-55-SSP1
PL-60-SSP1
PL-80-SSP1
PL-100-SSP1

Fittings

Power Loc™ Fittings

Series 50 Power-Loc™ for 620/520 PE, 16mm and 17mm Dripline and Associated Polyethylene Tubing Sizes

Model #	Part #	Description	Bag Qty	Box Qty
PL-50-PC	72050005	16mm and 17mm Power-Loc™ Coupling	25	300
PL-50-P3T	72050001	16mm and 17mm Power-Loc™ Tee	25	150
PL-50-PELL	72050004	16mm and 17mm Power-Loc™ Elbow	25	300
PL-50-P1/2MA	72050009	16mm and 17mm Power-Loc™ x 1/2" MPT Adapter	25	300
PL-50-P3/4MA	72050010	16mm and 17mm Power-Loc™ x 3/4" MPT Adapter	25	300
PL-50-SSP	72050019	16mm and 17mm Power-Loc™ x 1/2" Socket/3/4" Spigot	25	300
PL-50-SSP1	72050018	16mm and 17mm Power-Loc™ x 3/4" Socket/1" Spigot	25	300
PL-50-PHS-WW	72050007	16mm and 17mm Power-Loc™ x 3/4" Female Hose Swivel	25	300

Series 55 Power-Loc™ for 16mm, 17mm, 18mm (710/620), and 600/700 Dripline and Associated Polyethylene Tubing Sizes

Model #	Part #	Description	Bag Qty	Box Qty
PL-55-PC	72050305	16mm, 17mm, 18mm, and 600/700 Dripline Power-Loc™ Coupling	25	300
PL-55-P3T	72050301	16mm, 17mm, 18mm, and 600/700 Dripline Power-Loc™ Tee	25	150
PL-55-PELL	72050304	16mm, 17mm, 18mm, and 600/700 Dripline Power-Loc™ Elbow	25	300
PL-55-P1/2MA	72050308	16mm, 17mm, 18mm, and 600/700 Dripline Power-Loc™ x 1/2" MPT Adapter	25	300
PL-55-P3/4MA	72050317	16mm, 17mm, 18mm, and 600/700 Dripline Power-Loc™ x 3/4" MPT Adapter	25	300
PL-55-SSP	72050324	16mm, 17mm, 18mm, and 600/700 Dripline Power-Loc™ x 1/2" Socket/3/4" Spigot	25	300
PL-55-SSP1	72050321	16mm, 17mm, 18mm, and 600/700 Dripline Power-Loc™ x 3/4" Socket/1" Spigot	25	300
PL-55-PHS-WW	72050307	16mm, 17mm, 18mm, and 600/700 Dripline Power-Loc™ x 3/4" Female Hose Swivel	25	300

Series 60 Power-Loc™ for 18mm (710/620), and 600/700 Dripline and Associated Polyethylene Tubing Sizes

Model #	Part #	Description	Bag Qty	Box Qty
PL-60-PC	72050105	18mm and 600/700 Dripline Power-Loc™ Coupling	25	300
PL-60-P3T	72050101	18mm and 600/700 Dripline Power-Loc™ Tee	25	150
PL-60-PELL	72050104	18mm and 600/700 Dripline Power-Loc™ Elbow	25	300
PL-60-P1/2MA	72050109	18mm and 600/700 Dripline Power-Loc™ x 1/2" MPT Adapter	25	300
PL-60-P3/4MA	72050110	18mm and 600/700 Dripline Power-Loc™ x 3/4" MPT Adapter	25	300
PL-60-SSP	72050121	18mm and 600/700 Dripline Power-Loc™ x 1/2" Socket/3/4" Spigot	25	300
PL-60-SSP1	72050124	18mm and 600/700 Dripline Power-Loc™ x 3/4" Socket/1" Spigot	25	300
PL-60-PHS-WW	72050107	18mm and 600/700 Dripline Power-Loc™ x 3/4" Female Hose Swivel	25	300

Fittings

Power Loc™ Fittings

Series 80 Power-Loc™ for 3/4" Polyethylene Tubing Sizes

Model #	Part #	Description	Bag Qty	Box Qty
PL-80-PC	72050607	Series 80 Power-Loc™ Coupling for 3/4" Polyethylene Tubing	25	200
PL-80-P3T	72050616	Series 80 Power-Loc™ Tee for 3/4" Polyethylene Tubing	25	100
PL-80-PELL	72050617	Series 80 Power-Loc™ Elbow for 3/4" Polyethylene Tubing	25	100
PL-80-P3/4-MA	72050604	Series 80 Power-Loc™ X 3/4" MPT for 3/4" Polyethylene Tubing	25	300
PL-80-SSP1	72050602	Series 80 Power-Loc™ X 3/4" Socket/1" Spigot for 3/4" Polyethylene Tubing	25	300

Series 100 Power-Loc™ for 1" Polyethylene Tubing Sizes

Model #	Part #	Description	Bag Qty	Box Qty
PL-100-PC	72050611	Series 100 Power-Loc™ Coupling for 1" Polyethylene Tubing	25	175
PL-100-P3T	72050619	Series 100 Power-Loc™ Tee for 1" Polyethylene Tubing	25	100
PL-100-PELL	72050618	Series 100 Power-Loc™ Elbow for 1" Polyethylene Tubing	25	100
PL-100-SSP1	72050613	Series 100 Power-Loc™ X 3/4" Socket/1" Spigot for 1" Polyethylene Tubing	25	175



Fittings

Swing Riser Fittings

Applications:

- To facilitate the connection of sprinklers to the line

Features/Benefits:

- Easy twist-in assembly
- Multiple barbs - no barb blow out
- Secure and easy installation without glue or clamps
- High impact plastic
- Operating pressure: up to 80 PSI at 110° fahrenheit

Materials:

Elbows, coupling, and tee: Acetal

Male adapters: ABS

Polyethylene Street Elbows
90° (Marlex™ Type)



M412-005
M412-007
M412-101

Spiral Barb Fittings for Softube
and Swing Pipe



TBZ-50-90
TBZ-75-90



STC-1/2



TBZ-50-180
TBZ-75-180



S3T-1/2

Ordering Information

Spiral Barb Fittings for Softube and Swing Pipe

Model #	Part #	Description	Bag Qty	Box Qty
TBZ-50-90	72500544	1/2" MPT X .490" Spiral Barbed Elbow	50	300
TBZ-75-90	72500546	3/4" MPT X .490" Spiral Barbed Elbow	50	300
TBZ-50-180	72500543	1/2" MPT X .490" Spiral Barbed Adapter	50	300
TBZ-75-180	72500545	3/4" MPT X .490" Spiral Barbed Adapter	50	300
STC-1/2	72290049	1/2" Spiral Barbed Coupling (.490" ID)	50	250
S3T-1/2	72040084	1/2" Spiral Tee (.490" ID)	50	250

Polyethylene Street Elbows 90° (Marlex™ Type)

Model #	Part #	Description	Bag Qty	Box Qty
M412-005	72500437	1/2" MPT x 1/2" FIPT Marlex™ Street Elbow	50	300
M412-007	72500438	3/4" MPT x 3/4" FIPT Marlex™ Street Elbow	50	300
M412-101	72500439	3/4" MPT x 1/2" FIPT Reducing Marlex™ Street Elbow	50	300

Valves

PVC Ball Valves

Applications

- General landscape applications
- Isolation of partial irrigation zones
- Manual on-off applications

Features/Benefits

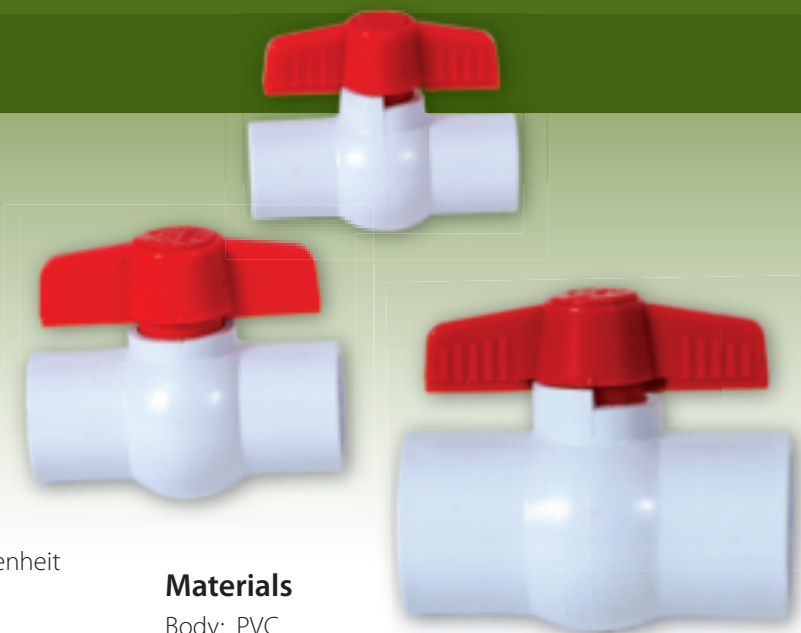
- Simple on-off operation
- Straight through flow
- Large handle for easy manual control
- Quick 1/4 turn for on and off function

General Valve Specifications

- Operating range: Up to 120 PSI at 170° Fahrenheit
- Flow range:
 - 1/2": 1 to 10 GPM
 - 3/4": 2 to 17 GPM
 - 1": 2 to 28 GPM
 - 1 1/2": 18 to 64 GPM
 - 2": 20 to 105 GPM
 - 2 1/2": 22 to 150 GPM
 - 3": 25 to 230 GPM

Materials

- Body: PVC
- Seat seal: Buna or Teflon
- Ball/Stem: PVC
- O-Ring: EPDM
- Handle: PVC
- Cap: ABS



Ordering Information

Threaded PVC Ball Valves

Model #	Part #	Description	Bag Qty	Box Qty
PVCBV-005S	72220001	1/2" Threaded PVC Ball Valve	1	100
PVCBV-007S	72220010	3/4" Threaded PVC Ball Valve	1	100
PVCBV-010S	72220020	1" Threaded PVC Ball Valve	1	100
PVCBV-012S	72220030	1 1/4" Threaded PVC Ball Valve	1	100
PVCBV-015S	72220040	1 1/2" Threaded PVC Ball Valve	1	48
PVCBV-020S	72220050	2" Threaded PVC Ball Valve	1	24
PVCBV-025S	72220055	2 1/2" Threaded PVC Ball Valve	1	18
PVCBV-030S	72220060	3" Threaded PVC Ball Valve	1	2

Slip PVC Ball Valves

Model #	Part #	Description	Bag Qty	Box Qty
PVCBV-005T	72220100	1/2" Slip PVC Ball Valve	1	100
PVCBV-007T	72220110	3/4" Slip PVC Ball Valve	1	100
PVCBV-010T	72220120	1" Slip PVC Ball Valve	1	100
PVCBV-012T	72220130	1 1/4" Slip PVC Ball Valve	1	100
PVCBV-015T	72220140	1 1/2" Slip PVC Ball Valve	1	48
PVCBV-020T	72220150	2" Slip PVC Ball Valve	1	24
PVCBV-025T	72220155	2 1/2" Slip PVC Ball Valve	1	18
PVCBV-030T	72220160	3" Slip PVC Ball Valve	1	2

Valves

Low Volume Shut-off Valves

Applications

- General landscape applications
- Isolation of partial irrigation zones
- Control individual lines
- Flow control

Features/Benefits

- Simple on-off operation
- Straight through flow
- Large handle for easy manual control
- Quick 1/4 turn for on and off function

General Valve Specifications

- Operating range: Up to 60 PSI
- Flow range: Up to 20 GPM

Materials

General Valves: Polypropylene

Compression Valves: ABS

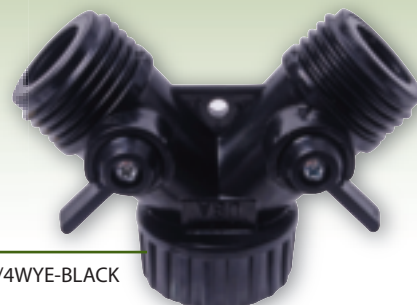
Perma-Loc Valves: Polypropylene

Insert Valves: Polypropylene or Acetal

General Shut-Off Valves



VNPT75
3/4GB



3/4WYE-BLACK



QCV



QCVR

General Shut-Off Valves

Model #	Part #	Description	Bag Qty	Box Qty
VNPT75	72062057	3/4" FIPT X 3/4" MPT Shut-off Valve	25	300
3/4GB	72060017	3/4" FHT X 3/4" MHT Shut-off Valve	25	300
3/4WYE-BLACK	72060024	3/4" FHT X 3/4" MHT "Y" Ball Valve	25	250
QCV	72062016	3/4" Quick Coupling Valve	5	50
QCVR	72062017	Riser for Quick Coupling Valve	10	100

1/4" Micro Valve

Applications

Multi-purpose flow control valve for 1/4" micro tubing



PVFB
PVFTT

Vari-Flow™ Valves - 1/4" Micro Valves

Model #	Part #	Description	Bag Qty	Box Qty
VFBB	72500957	1/4" Barb x 1/4" Barb Vari-Flow™ Valves	100	500
VFVT	72500960	10-32 x 10-32 Vari-Flow™ Valves	100	500

Valves

Compression Valves



CB600
CB700
CB710

S1/2

CB900

Compression Valves

Model #	Part #	Description	Bag Qty	Box Qty
S1/2	72060002	1/2" Socket X 1/2" Socket Shut-off Valve	25	300
CB600	72060019	Series 600 Compression Shut-off Valve	25	300
CB700	72060021	Series 700 Compression Shut-off Valve	25	300
CB710	72060022	Series 710 Compression Shut-off Valve	25	300
CB900	72060023	Series 900 Compression Shut-off Valve	25	300

Quick Action Valves



440VLBB*
446VLBB*
770VLBB*
880VLBB*

*Clamps recommended

Quick Action Valves (Clamps recommended)

Model #	Part #	Description	Bag Qty	Box Qty
440VLBB	72500289	1/2" Insert Barb x 1/2" Insert Barb (uses .570 - .620 ID tubing)	25	200
446VLBB	72501099	1/2" Insert Barb x 1/2" Insert Barb (uses .520 ID tubing)	25	200
770VLBB	72501100	3/4" Insert Barb x 3/4" Insert Barb (uses .820 ID tubing)	10	250
880VLBB	72501101	1" Insert Barb x 1" Insert Barb (uses 1.06 ID tubing)	5	100

Valves

Power-Loc™ Valves



HV50
HV60



HV5TH50
HV6TH50



HV5TH75
HV6TH75



HV88



HV88

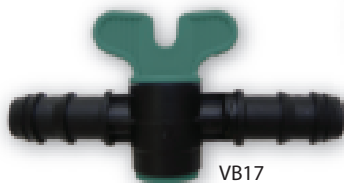
Power-Loc™ Shut-off Valves

Model #	Part #	Description	Bag Qty	Box Qty
HV50	72050127	Series 50 Power-Loc™ Shut-off Valve for 16mm and 17mm (.500" through .580" ID PE Tubing)	25	300
				300
HV55	72050314	Series 55 Power-Loc™ Shut-off Valve for 16mm, 17, and 18mm(.520" through .620" ID PE Tubing)	25	300
				300
HV60	72050126	Series 60 Power-Loc™ Shut-off Valve for .600 X .700,18mm, and .620 X .710 PE Tubing (.580" through .675" ID PE Tubing)	25	300
				300
HV88	72062013	Series 80 Shut-off Valve for 3/4" PE Tubing	25	300
HV5TH50	72050030	Series 50 Power-Loc™ Shut-off Valve X 1/2" MPT	25	300
HV5TH75	72050031	Series 50 Power-Loc™ Shut-off Valve X 3/4" MPT	25	300
HV6TH50	72050506	Series 60 Power-Loc™ Shut-off Valve X 1/2" MPT	25	300
HV6TH75	72050507	Series 60 Power-Loc™ Shut-off Valve X 3/4" MPT	25	300
HV8TH75	72062014	Series 80 Shut-off Valve X 3/4" MPT for 3/4" PE Tubing	25	300

Barbed Compact Cylinder Valves



VB16



VB17



VB18

Barbed Compact Cylinder Valves

Model #	Part #	Description	Bag Qty	Box Qty
VB16	72062029	.520 ID X .620 ID Barb (16mm) Barbed Shut-off Valve	50	300
VB17	72062060	17mm Barbed Shut-off Valve	50	300
VB18	72062032	.600 ID X .700 OD, .620 ID X .710 OD, 17mm and 18mm Barbed Shut-off Valve	50	300

Valves

Flush Valves

Applications

- To enhance system performance by cleaning driplines automatically

Features/Benefits

- Automatic flushing reduces particulate build-up and promotes system cleanliness
- Cleaning operation occurs at the beginning of each irrigation cycle
- Opens at low pressure and closes as pressure increases
- Can be disassembled for cleaning or winterization system blowout

Specifications

- Operating pressure: 7 - 60 PSI

3/4" Pipe and Hose Thread:

- .8 GPM required to close; opens when pressure is below 2 PSI

2" Flush Valve:

- 30 GPM required to close; opens when pressure falls below 7 PSI

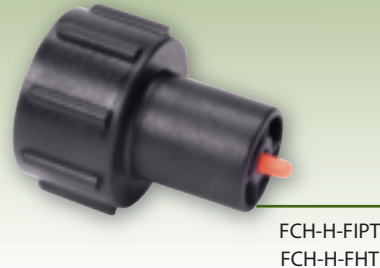
Materials

Housing: Polypropylene

Spring: Stainless Steel

Seal: Vinyl

Flush Valve w/ Tattle Tail



2" Flush Valves



Ordering Information

Flush Valves				
Model #	Part #	Description	Bag Qty	Box Qty
FCH-H-FIPT	72060035	Flush Valve 3/4" FIPT (Pipe Thread)	50	200
FCH-H-FHT	72060034	Flush Valve 3/4" FHT (Hose Thread)	50	200
FCH-2H	72060008	2" MPT Flush Valve (30 GPM required to close; reopens when pressure falls below 7 PSI)	1	10

Valves

Lateral Flush Valve

Applications

- For surface and subsurface drip irrigation systems

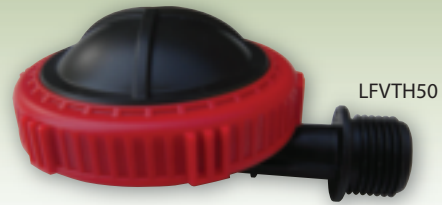
Features/Benefits

- Effective automatic flushing at the beginning of every irrigation cycle
- Large water passageways for maximum reliability
- Many different connections for a variety of dripline sizes
- Easy to open and clean
- Red ring for easy identification and inspection

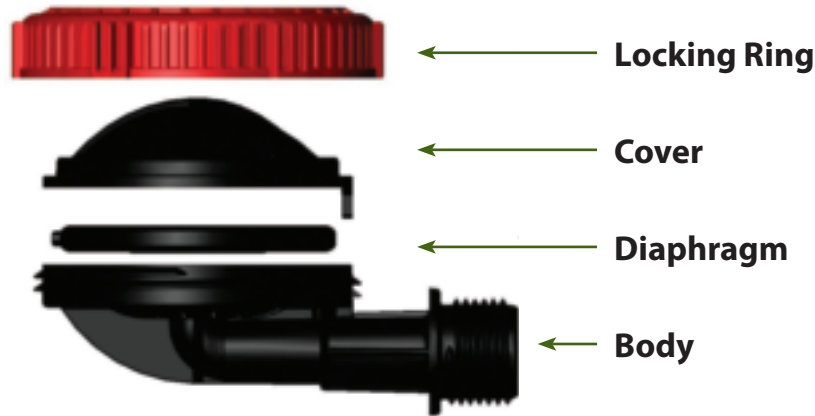
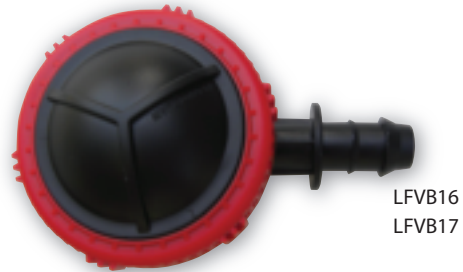
Specifications

- Operating pressure: 7 to 45 PSI
- Flushing time: 25 to 30 seconds
- Flushing volume: 1/2 to 2.25 gallons
- Flushing flow rate: 78 GPH

Lateral Flush Valve, 1/2" NPT Threads



Lateral Flush Valve, barbed connection



Ordering Information

Lateral Flush Valves

Model #	Part #	Description	Bag Qty	Box Qty
LFVTH50	72060701	Lateral Flush Valve, 1/2" NPT Threads	5	25
LFVB16	72060716	Lateral Flush Valve, 16mm barbed connection	5	25
LFVB17	76060717	Lateral Flush Valve, 17mm barbed connection	5	25

Valves

Plastic Valves

Applications

- Residential and commercial applications

Features/Benefits

Low Flow Valves

- 3/4" low flow capability from 1 GPH to 50 GPM
- Straight through flow path design
- 10 to 150 PSI operating range
- Extremely low pressure loss

Medium and High Flow Valves

- High flow with low pressure loss
- Normally closed operation
- Electric or manual override operation
- Flow control handle for precise flow adjustment and manual shut-off
- Manual internal override for opening the valve in case of power failure
- Easy inline maintenance; total access to the internal parts from the cover of the valve
- Progressive opening and shut-off to prevent water hammer
- Reinforced diaphragm provides reliable operation with dirty water and low flows
- High performance solenoid with low electrical power consumption
- Available with 9-12 VDC latching solenoids
- Operating range: 15 to 140 PSI
- Flow range: 2 to 170 GPM
 - 3/4": 2 to 28 GPM
 - 1": 2 to 35 GPM
 - 1 1/2": 18 to 80 GPM
 - 2": 20 to 170 GPM
- Temperature range: up to 170^o fahrenheit
- Body style: Globe valve
- 3/4", 1", 1 1/2", and 2" inlet and outlet

Electrical Specifications

Low Flow Valves

- Solenoid: 24 VAC
- Inrush: 350mA
- Holding current: 250mA



310-050

Medium and High Flow Valves

- Solenoid: 24 VAC (50-60 cycles)
- Inrush current: 20mA
- Holding current: 14mA
- Power consumption 2.0 watts

Materials

Low Flow Valves

33% Glass filled nylon construction
Heavy duty reinforced diaphragm
Stainless steel screws and components

Medium and High Flow Valves

Body and cover: Reinforced nylon
Spring: AISI 302
Diaphragm: PVC
Seals: Buna-N
Screws: AISI 304

Valves

Plastic Valves

Pressure Loss in PSI for Plastic Valves

Pressure Loss in PSI for Low Flow Plastic Valves

Valve Size	Flow Rate (GPM)						
	15	20	25	30	35	40	45
1"	1.2	2.1	4.0	5.0	6.2	8.0	10.0

Pressure Loss in PSI for Medium and High Flow Plastic Valves

Valve Size	Flow Rate (GPM)										
	2	4	9	13	18	22	26	30	35	40	45
3/4"	0.38	0.67	1.22	2.18	2.65	3.45	4.35	5.21	5.88	6.78	
1"				1.76	2.28	2.87	3.83	4.20	4.95	5.90	6.43

Valve Size	Flow Rate (GPM)										
	22	26	30	35	40	45	65	90	110	130	175
1 1/2"	1.35	1.92	2.38	2.76	2.89	3.27	4.33	6.10	7.38		
2"	0.92	1.74	2.05	2.34	2.67	2.93	3.75	5.62	6.65	6.35	

Ordering Information

Low Flow Valves

Model #	Part #	Description	Bag Qty	Box Qty
310-050	74103070	1" Straight Through Flow Path with Flow Control, 24 VAC, 1 GPH to 50 GPM Flow, 15 - 150 PSI	1	12

Medium and High Flow Valves

Model #	Part #	Description	Bag Qty	Box Qty
ET075	74103021	3/4" Threaded Globe Plastic Valve with Flow Control, 24 VAC	1	36
ET010	74100312	1" Threaded Globe Plastic Valve with Flow Control 24,VAC	1	20
ET010S	74103016	1" Slip Globe Plastic Valve with Flow Control, 24 VAC	1	20
ET015	74103017	1 1/2" Threaded Globe Plastic Valve with Flow Control, 24 VAC	1	7
ET020	74103019	2" Threaded Globe Plastic Valve with Flow Control, 24 VAC	1	6
ET075-12DC	74103050	3/4" Threaded Globe Plastic Valve with Flow Control, 12 VDC	1	36
ET010-12DC	74103051	1" Threaded Globe Plastic Valve with Flow Control, 12 VDC	1	20
ET010S-12DC	74103052	1" Slip Globe Plastic Valve with Flow Control, 12 VDC	1	20
ET015-12DC	74103053	1 1/2" Threaded Globe Plastic Valve with Flow Control, 12 VDC	1	7
ET020-12DC	74103054	2" Threaded Globe Plastic Valve with Flow Control, 12 VDC	1	6

Valves

Anti-Siphon Valves

Applications

- Residential and light commercial applications

Features/Benefits

- Internal manual bleed
- IAPMO approved
- 15 to 125 PSI operating range
- Available with 3/4" and 1" FPT connection
- Stainless steel spring and internal components
- Hex plunger design for sandy water conditions

Electrical Specifications

- 24 VAC 60Hz
- Inrush: 350mA
- Holding: 250mA

Materials

Body: PVC

Stainless steel screws and components



Ordering Information

Flush Valves

Model #	Part #	Description	Bag Qty	Box Qty
ASV-875	74103060	3/4" Anti-Siphon Valve, Female Thread Inlet and Outlet with Flow Control	1	20
ASV-8100	74103061	1" Anti-Siphon Valve, Female Thread Inlet and Outlet with Flow Control	1	20



Valves

Iron Valves

Applications

- Residential, commercial, municipal, and golf

Features/Benefits

- Easy inline maintenance is provided by top entry design
- High quality construction meets applicable engineering standards
- Direct sealing diaphragm
- Protective coating is resistant to corrosive elements
- Unique design allows a straight flow pattern with low friction loss
- Electric or manual override operation
- Normally closed operation
- High performance solenoid with low electrical power consumption
- 20 to 230 PSI operating range



Specifications/Materials

Please consult with Jain customer service for valve specifics such as dimensions, weights, flows, friction loss, materials, and solenoid specifications.

Working Conditions	Flow Rate (GPM)	
	Min	Max
2"	13	196
3"	26	301
4"	44	494
6"	110	1181

Ordering Information

Iron Valves				
Model #	Part #	Description	Bag Qty	Box Qty
EL-020-CIT	74101002	2" Threaded Iron Straight Valve with 3-Way Solenoid	1	1
EL-030-CIT	74101022	3" Threaded Iron Straight Valve with 3-Way Solenoid	1	1
EL-030-CIF	74101042	3" Flanged Cast Iron Straight Valve with 3-Way Solenoid	1	1
EL-040-CIF	74101052	4" Flanged Cast Iron Straight Valve with 3-Way Solenoid	1	1
EL-060-CIF	74101062	6" Flanged Cast Iron Straight Valve with 3-Way Solenoid	1	1

Controllers

Stand-Alone Battery Operated Irrigation Controller

Applications

- Residential, commercial, and general landscape applications
- Applications where power is unavailable
- Whenever an extra valve is required

Features/Benefits

- 9 volt battery powered controller
- Four button keypad with an integrated liquid crystal display (LCD)
- Waterproof
- May be mounted inside a valve box to protect against vandalism
- Mounting options include a bracket for 3/4" pipe and wall adapter
- Controller may be located up to 300' from the valve (use #16 wire)
- Four program modes to meet most irrigation schedules:
 - One start time everyday, one run time
 - One start time, up to 7 active days, one run time
 - Three start times, up to 7 active days, one run time
 - Manual operation
- May be mounted on plastic valves from 3/4" - 2"

Materials

Body: ABS

Display window: Satoprene



Specifications

- Operating temperature: 32° fahrenheit to 122° fahrenheit
- Storage temperature: 14° fahrenheit to 140° fahrenheit
- Minimum running time: 1 minute
- Maximum running time: 11 hours, 59 minutes
- Five operating modes:
 - Once per day
 - Once per day on selected days of the week
 - Three time per day on selected days of the week
 - Manual operation
 - Off
- Waterproof: IP67
- Electronic:
 - Voltage output: 13 VDC
 - Pulse width: 200 m/sec.
 - Capacity: 400µF

Ordering Information

Battery-operated Controllers

Model #	Part #	Description	Bag Qty	Box Qty
61-C100	75050001	Stand-alone Battery Powered Irrigation controller with 9VDC Latch Solenoid	1	1
61-C010	74103009	1" Threaded Valve and Irrigation Controller	1	1
61-C010S	74103010	1" PVC Slip Valve and Irrigation Controller	1	1
61-C015	74102026	1 1/2" Threaded Valve and Irrigation Controller	1	1
61-C020	74102033	2" Threaded Valve and Irrigation Controller	1	1

Controllers

Smart Controllers Acclima Controllers

Applications:

- Residential, commercial, and municipal uses
- General turf and drip irrigation applications
- Rooftop gardens
- Locations with water restrictions or water shortages

Features/Benefits:

Residential Controllers - 6 or 12 stations

- Large LCD display
- 3 programs with 6 start times for each
- Supports up to 6 or 12 TDT sensors
- Easy and quick sensor set up
- Sensor sharing - allows several valves to work with a single sensor
- Indoor and outdoor models

Residential/Commercial Controllers - 24 or 36 stations

- Suspended Cycle Technology (SC)
- 4 programs with 6 start times each
- Supports up to 24 or 36 TDT sensors
- Run times from 1 minute to 18 hours
- Water up to 4 zones simultaneously
- Each sensor adds a new program (up to 40 programs total)
- Provides watering history
- Sensor sharing
- Cycle and Soak
- Zone stacking ensures all zones get watered
- Optional flow meter interface
- DCI adapter for radio control
- Configurations saved even under power failure

Suspended Cycle (SC) Technology

- Controller set with traditional schedule and times



ACC-SYS-SC6P
ACC-SYS-SC12P



ACC-CON-SC24
ACC-CON-SC36

Controllers

Smart Controllers Acclima Two-Wire Controller



ACC-CON-WD64

Commercial Two-Wire Controller - 64 stations

- System checks moisture prior to watering cycle
- Program will run only if water is below set threshold
- Water on Demand Technology (WD)
- Sophisticated remote management capabilities
- Acclima Irrigation Manager™ PC software
- Two-Wire System
- Decoders used in conjunction with two-wire system
- Supports up to 30 sensors
- Run times from 1 minute to 18 hours
- Water up to 4 zones simultaneously
- Sensor sharing
- Provides watering history
- Cycle and Soak
- Zone stacking ensures all zones get watered
- Optional flow meter interface
- DCI adapter for radio control

Water on Demand Technology

- System requires no scheduled programming
- Upper and lower thresholds set and checked every 15 minutes
- Controller will water to upper threshold when water falls below lower
- Water windows may be set to water only at specified times
- Most efficient irrigation method possible

Specifications

Electronic (Residential):

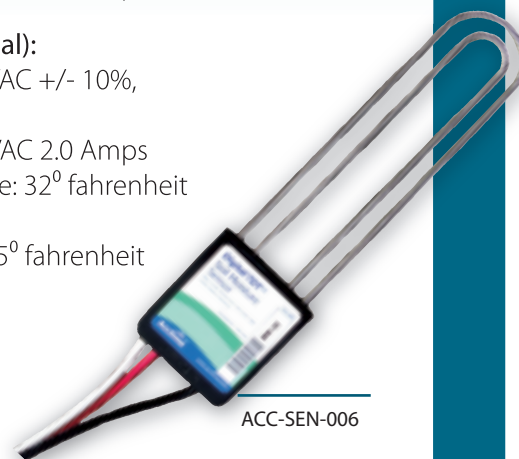
Station Input: 120VAC 60Hz 29W
Station Output: 24VAC .83 Amps 20VA

Electronic (Commercial):

Station Input: 115VAC +/- 10%, 50Hz or 60Hz
Station Output: 24VAC 2.0 Amps
Operating temperature: 32° fahrenheit to 122° fahrenheit
Storage temperature: 5° fahrenheit to 140° fahrenheit

Materials

ABS housing with lockable cabinet



ACC-SEN-006

Digital TDT Moisture Sensor

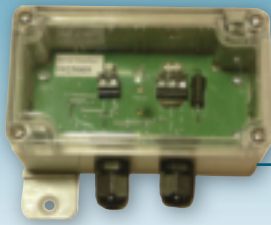
- Unmatched in accuracy and stability
- No calibration necessary
- Provides absolute soil moisture reading in volumetric water content

Ordering Information

Acclima Controllers				
Model #	Part #	Description	Bag Qty	Box Qty
ACC-SYS-SC6	75021006	SC6, 6-Zone Suspended Cycle®	1	10
ACC-SYS-SC12	75021012	SC12, 12-Zone Suspended Cycle®	1	10
ACC-CON-SC24	75021024	SC24, 24-Zone Suspended Cycle®	1	4
ACC-CON-SC36	75021036	SC36, 36-Zone Suspended Cycle®	1	4
ACC-CON-WD64	75011064	CS3500, 64-Zone Water on Demand®	1	4
ACC-SYS-SC6P	75021106	SC6, 6-Zone Suspended Cycle® Outdoor	1	4
ACC-SYS-SC12P	75021112	SC12, 12-Zone Suspended Cycle® Outdoor	1	4

Controllers

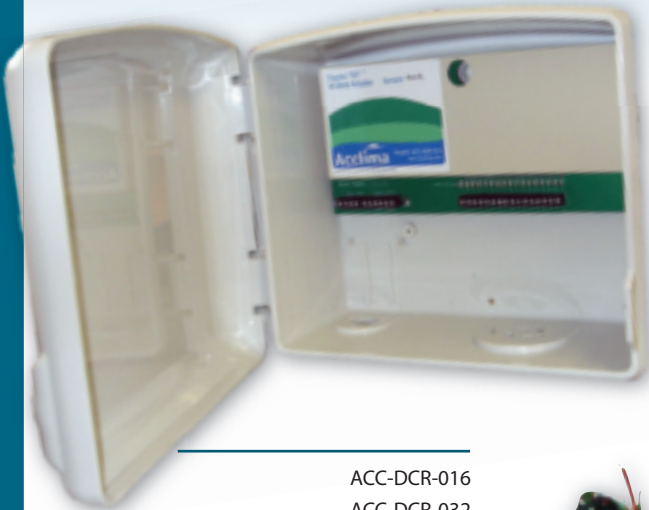
Water on Demand® System Accessories



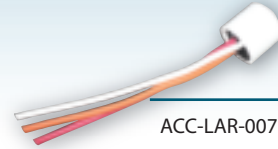
ACC-RFS-001



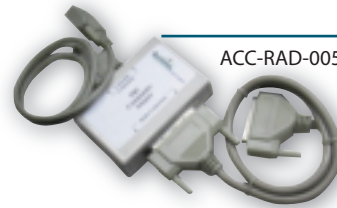
ACC-ETH-007



ACC-DCR-016
ACC-DCR-032



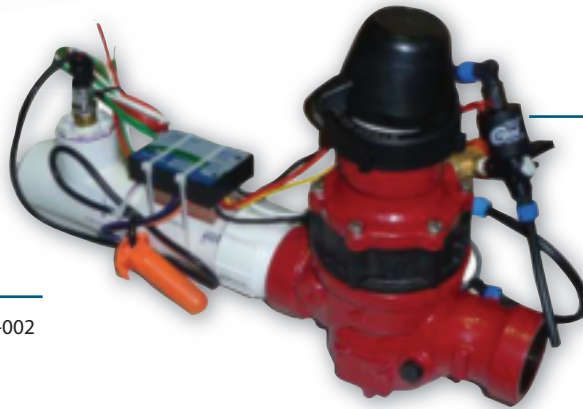
ACC-LAR-007



ACC-RAD-005



ACC-DCR-002



ACC-FPK-015
ACC-FPK-020
ACC-FPK-030
ACC-FPK-040



ACC-DCR-004



ACC-FMI-009



ACC-FPM-015

Controllers

Water on Demand® System Accessories

Water on Demand® System Accessories				
Model #	Part #	Description	Bag Qty	Box Qty
ACC-SEN-006	75043006	Digital TDT® Soil Moisture Sensor	1	10
ACC-DCR-001	75013001	1-Zone Adapter for new installations	1	3
ACC-DCR-002	75013002	2-Zone Adapter for New Installations	1	3
ACC-DCR-004	75013004	4-Zone Adapter for New Installations	1	3
ACC-DCR-016	75013016	16-Zone Adapter for Retrofit Installations	1	1
ACC-DCR-032	75013032	32-Zone Adapter for Retrofit Installations	1	1
ACC-FMI-009	75013012	Flow Meter Interface	1	1
ACC-FPM-015	75013015	Flow/Pressure Meter Interface	1	1
ACC-FPK-020	75013013	Flow/Pressure Meter Kit 2"	1	1
ACC-FPK-015	75013014	Flow/Pressure Meter Kit 1.5"	1	1
ACC-FPK-030	75013012	Flow/Pressure Meter Kit 3"	1	1
ACC-FPK-040	75013010	Flow/Pressure Meter Kit 4"	1	1
ACC-RAD-005	75013005	Radio Receiver Interface, TRC Commander Radio	1	1
ACC-RAD-015	75013017	DCI Radio Interface - SC24/36	1	1
ACC-ETH-007	75013009	Ethernet/WLAN Adapter	1	1
ACC-LAR-007	75013011	Lightning Arrestor	1	1
ACC-RFS-001	75013007	Rain/Freeze Swith Interface	1	1



Accessories

Pressure Regulators

Applications

- To provide a constant system outlet pressure

Features/Benefits

- Can be installed above or below ground
- Sealed regulating unit for each pressure choice
- Reliable control regardless of fluctuation in pressure or flow
- Withstands water hammer
- Flow rates from 1/3 GPM to 32 GPM

Specifications

Low Flow Regulator:

Flow: From .1 GPM to 8 GPM

Medium Flow Regulator:

Flow: From .5 to 20 GPM

Pressure Range: 20, 25, 30, 35, and 40 PSI

High Flow Regulator:

Flow: From 10 to 32 GPM

Pressure Range: 20, 25, 30, and 40

Materials

Housing: High impact engineering grade thermoplastics

Spring: Stainless Steel



PRL20PP
PRL25PP



PRP-30



PRH-15
PRH-20
PRH-25
PRH-30
PRH-35



PR-075-L-20
PR-075-L-25
PR-075-L-30
PR-075-L-35
PR-075-L-40



PR-075-M-20	PR-100-M-20
PR-075-M-25	PR-100-M-25
PR-075-M-30	PR-100-M-30
PR-075-M-35	PR-100-M-35
PR-075-M-40	PR-100-M-40



PR-20-HF
PR-25-HF
PR-30-HF
PR-40-HF

Pressure Regulators - Ordering Information

Pipe Thread Low Flow Residential Pressure Regulator

Model #	Part #	Description	Bag Qty	Box Qty
PRL20PP	72500497	Residential Low Flow Pressure Regulator - 3/4", 20 PSI, 1-8 GPM, FPT X MPT	10	120
PRL25PP	72500498	Residential Low Flow Pressure Regulator - 3/4", 25 PSI, 1-8 GPM, FPT X MPT	10	120

Pipe Thread Medium Flow Residential Pressure Regulator

Model #	Part #	Description	Bag Qty	Box Qty
PRP-30	72100064	Residential Medium Flow Pressure Regulator - 3/4", 15 PSI, 1/2-15 GPM, FPT Inlet X MPT Outlet	10	50

Hose Thread Medium Flow Residential Pressure Regulator

Model #	Part #	Description	Bag Qty	Box Qty
PRH-15	72015063	Residential Medium Flow Pressure Regulator - 3/4", 15 PSI, .5-15 GPM, FHT Inlet X MHT Outlet	10	50
PRH-20	72015064	Residential Medium Flow Pressure Regulator - 3/4", 20 PSI, .5-15 GPM, FHT Inlet X MHT Outlet	10	50
PRH-25	72015065	Residential Medium Flow Pressure Regulator - 3/4", 25 PSI, .5-15 GPM, FHT Inlet X MHT Outlet	10	50
PRH-30	72015066	Residential Medium Flow Pressure Regulator - 3/4", 30 PSI, .5-15 GPM, FHT Inlet X MHT Outlet	10	50
PRH-35	72015067	Residential Medium Flow Pressure Regulator - 3/4", 35 PSI, .5-15 GPM, FHT Inlet X MHT Outlet	10	50

Pipe Thread Low Flow Commercial Pressure Regulator

Model #	Part #	Description	Bag Qty	Box Qty
PR-075-L-20	72100024	Commercial Low Flow Pressure Regulator - 3/4", 20 PSI, .1-8 GPM, FPT X FPT	5	50
PR-075-L-25	72100027	Commercial Low Flow Pressure Regulator - 3/4", 25 PSI, .1-8 GPM, FPT X FPT	5	50
PR-075-L-30	72100029	Commercial Low Flow Pressure Regulator - 3/4", 30 PSI, .1-8 GPM, FPT X FPT	5	50
PR-075-L-35	72100032	Commercial Low Flow Pressure Regulator - 3/4", 35 PSI, .1-8 GPM, FPT X FPT	5	50
PR-075-L-40	72100034	Commercial Low Flow Pressure Regulator - 3/4", 40 PSI, .1-8 GPM, FPT X FPT	5	50

Pressure Regulators - Ordering Information

Pipe Thread Medium Flow Commercial Pressure Regulator

Model #	Part #	Description	Bag Qty	Box Qty
PR-075-M-20	72100026	Commercial Medium Flow Pressure Regulator - 3/4", 20 PSI, 2-20 GPM, FPT X FPT	5	50
PR-075-M-25	72100028	Commercial Medium Flow Pressure Regulator - 3/4", 25 PSI, 2-20 GPM, FPT X FPT	5	50
PR-075-M-30	72100030	Commercial Medium Flow Pressure Regulator - 3/4", 30 PSI, 2-20 GPM, FPT X FPT	5	50
PR-075-M-35	72100033	Commercial Medium Flow Pressure Regulator - 3/4", 35 PSI, 2-20 GPM, FPT X FPT	5	50
PR-075-M-40	72100035	Commercial Medium Flow Pressure Regulator - 3/4", 40 PSI, 2-20 GPM, FPT X FPT	5	50
PR-100-M-20	72100053	Commercial Medium Flow Pressure Regulator - 1", 20 PSI, 2-20 GPM, FPT X FPT	5	50
PR-100-M-25	72100060	Commercial Medium Flow Pressure Regulator - 1", 25 PSI, 2-20 GPM, FPT X FPT	5	50
PR-100-M-30	72100031	Commercial Medium Flow Pressure Regulator - 1", 30 PSI, 2-20 GPM, FPT X FPT	5	50
PR-100-M-35	72100057	Commercial Medium Flow Pressure Regulator - 1", 35 PSI, 2-20 GPM, FPT X FPT	5	50
PR-100-M-40	72100036	Commercial Medium Flow Pressure Regulator - 1", 40 PSI, 2-20 GPM, FPT X FPT	5	50

Pipe Thread High Flow Commercial Pressure Regulator

Model #	Part #	Description	Bag Qty	Box Qty
PR-20-HF	72100043	Commercial High Flow Pressure Regulator - 1", 20 PSI, 10-32 GPM, FPT X FPT	1	25
PR-25-HF	72100044	Commercial High Flow Pressure Regulator - 1", 25 PSI, 10-32 GPM, FPT X FPT	1	25
PR-30-HF	72100045	Commercial High Flow Pressure Regulator - 1", 30 PSI, 10-32 GPM, FPT X FPT	1	25
PR-40-HF	72100046	Commercial High Flow Pressure Regulator - 1", 40 PSI, 10-32 GPM, FPT X FPT	1	25

Anti-Siphon Device

Applications

- Prevents water from draining upstream of the valve or back into the valve box



PASV77H

Anti Siphon Device

Model #	Part #	Description	Bag Qty	Box Qty
PASV77H	72501963	3/4" Anti-Siphon Device, 3/4" FHT X 3/4" MHT	20	60

Accessories

Air Vents

Applications

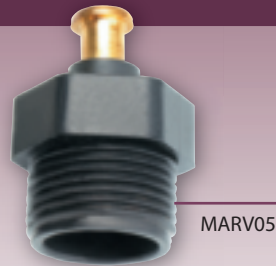
- To prevent clogging and eliminate vacuum in below grade drip systems
- To allow air to escape during system startup

Features/Benefits

- Allows air to escape the system at start up
- Prevents flow restricting air pockets from forming
- Continuous acting air vents remove excess air while the system is charged
- Non corrosive rust-proof materials
- Large air passages
- Removable top for seal maintenance
- Bright color allows easy visibility
- Provides vacuum relief at shut-down protecting irrigation equipment

Specifications

See Jain Air Vent technical brochure for product specifications



MARV05



VBKV-3/4
VBKV-1



VBK-3/4
VBK1



VPV-1-1/2
AVP-2

Ordering Information

Air/Vacuum Relief Vents				
Model #	Part #	Description	Bag Qty	Box Qty
MARV05	72090056	1/2" Air & Vacuum Relief Valve	25	200
VBK-3/4	72090033	3/4" Air/Vacuum Relief Valve	1	24
VBK-1	72090023	1" Air/Vacuum Relief Valve	1	24
VBKV-3/4	72090034	3/4" Air/Vacuum Relief Valve with 1/8" Schrader valve	1	24
VBKV-1	72090028	1" Air/Vacuum Relief Valve with 1/8" Schrader valve	1	24
APV-1.5	72090002	1.5" Air & Vacuum Relief Valve	1	6
APV-2	72090007	2" Air & Vacuum Relief Valve	1	6

Accessories

1/2" Shrub Adapters

Applications

- A variety of 1/2" riser accessories for converting spray to low volume systems



SAT-2010-01



SAT-2010-02



REA1032B



FPA-250EL



FPA-250T



RA250E



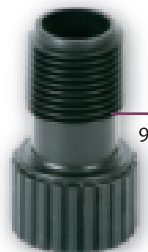
3120-1/2"
3380-3/8"



2414



RA250T



9110



715



715T

Ordering Information

Shrub Adapters

Model #	Part #	Description	Bag Qty	Box Qty
REA1032B	72500523	Flexible 1/2" FPT Riser Emitter Adapter for 10-32 or .125 to .250 Barbs	50	400
RA250E	72500521	Riser Adapter, 1/2" FPT x 1/2" MPT x 1/4" Barbed Swivel Elbow	50	400
RA250T	72500168	Riser Adapter, 1/2" FPT x 1/2" MPT x 1/4" Barbed Swivel Tee	50	400
FPA-250T	72500170	1/2" FIPT Adapter x 1/4" Barbed Tee	25	250
FPA-250EL	72500169	1/2" FIPT Adapter x 1/4" Barbed Elbow	25	250
3120	72251206	1/2" Male x Compression Adapter for Semi-rigid Risers	25	250
3380	72291207	3/8" Male x Compression Adapter for Semi-rigid Risers	25	250
2414	72291208	1/2" FIPT x 1/4" Barb	25	250
9110	72291209	1/2" Male x 1/2" Female 1" Long Riser Extender	25	250
SAT-2010-01	72500930	1/2" FPT x 10-32 Thread, PVC	50	250
SAT-2010-02	72500931	1/2" FPT x 1/8" FPT, PVC	50	250
715	72291210	1/2" FPT to Female Threaded Nozzles	50	500
715T	72291211	1/2" FPT to Male Threaded Nozzles	50	500

Accessories

Flexible Nipples, and Cutoffs



L04-060



M04-100
M04-060
M04-120



K04-060

Multiflex Flexible Nipples and Cutoffs

Model #	Part #	Description	Bag Qty	Box Qty
L04-060	72500407	1/2" MPT x 1/2" FPT x 6" Brown Flexible Nipple	25	250
M04-060	72500433	1/2" MPT x 1/2" MPT x 6" Brown Flexible Nipple	25	250
M04-100	72500435	1/2" MPT x 1/2" MPT x 10" Brown Flexible Nipple	25	250
M04-120	72500436	1/2" MPT x 1/2" MPT x 12" Brown Flexible Nipple	25	250
K04-060	72500405	1/2" MPT x 1/2" MPT x 6" Brown Cutoff Nipple	25	250

Tubing Support Clamps with Nail

Applications

- Used to attach tubing to wood



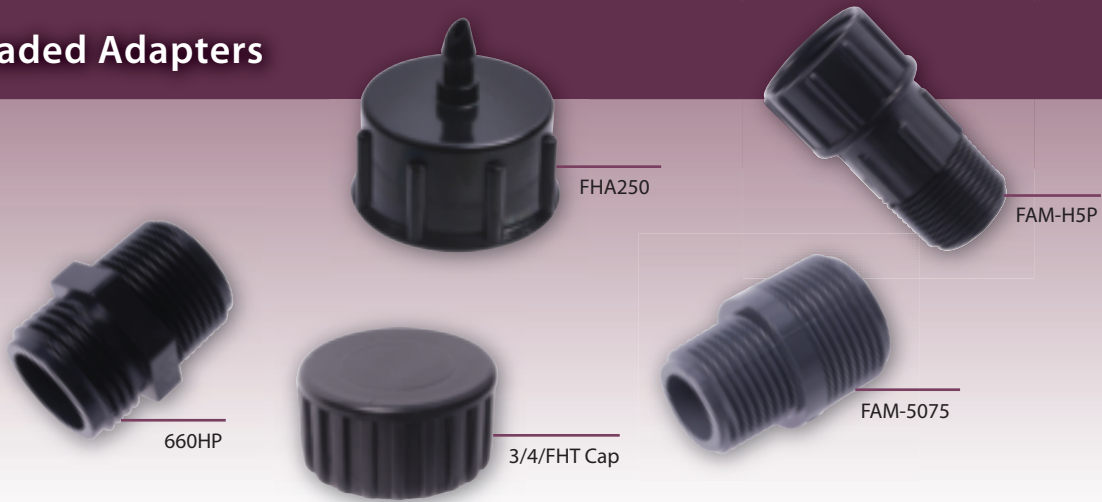
PC185
PC250
PC455
PC710

Tubing Support Clamps with Nail

Model #	Part #	Description	Bag Qty	Box Qty
PC185	72500465	3/16" Tubing Support Clamp	100	500
PC250	72500466	1/4" Tubing Support Clamp	100	500
PC455	72500467	3/8" Tubing Support Clamp	100	500
PC710	72500468	1/2" Tubing Support Clamp	100	500

Accessories

Threaded Adapters



Threaded Adapters

Model #	Part #	Description	Bag Qty	Box Qty
FHA250	72500383	Riser Adapter, 3/4" FHT x 1/4" Barb for .160" or .170" ID Tubing	25	200
FAM-H5P	72500379	Swivel Adapter - 3/4" FHT x 3/4" MPT with Washer	25	200
660HP	72501966	Nipple - 3/4" MHT x 3/4" MPT	25	200
FAM-5075	72500803	Reducer Nipple - 1/2" MPT x 3/4" MPT	25	200
3/4/FHT Cap	72040073	Cap - 3/4" FHT with Washer	25	200

Micro-Pop® Tattle Tail™

Applications

- For Total CV and Total PC system
- Can be used for point source, bubbler, or micro spray lines

Features/Benefits

- Provides visual confirmation of system operation
- Tattle-Tail is exposed when pressure is greater than 15 PSI



Micro-Pop® Tattle Tail™

Model #	Part #	Description	Bag Qty	Box Qty
PMP-2TT	71230027	Red Tattle Tail Status Indicator, Stake End and 1/4" Barbed Inlet, 9" Riser	10	30



Accessories

Rigid Risers and Riser Assemblies

Applications

- Used with any 10-32 threaded or quick thread emission device. Can be used with a riser stake.



Ordering Information

Rigid Risers - .160" ID x .300" OD

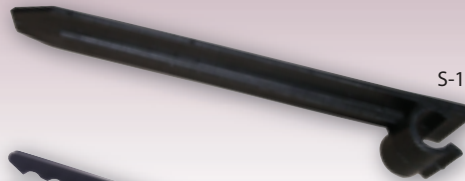
Model #	Part #	Description	Bag Qty	Box Qty
PRR06	72500969	6" Riser - .160" ID x .300" OD	25	250
PRR08	71195028	8" Riser - .160" ID x .300" OD	25	250
PRR12	71195029	12" Riser - .160" ID x .300" OD	25	250
PRR18	71195030	18" Riser - .160" ID x .300" OD	25	250
PRRAB06	72500515	6" Riser - .160" ID x .300" OD with 1/4" Barbed Adapter	25	500
PRRAB08	72500516	8" Riser - .160" ID x .300" OD with 1/4" Barbed Adapter	25	500
PRRAB12	72500512	12" Riser - .160" ID x .300" OD with 1/4" Barbed Adapter	25	500
PRRAB18	72500513	18" Riser - .160" ID x .300" OD with 1/4" Barbed Adapter	25	500
PRRAT06	72291220	6" Rigid PE Riser with 1/2" MPT	25	250
PRRAT08	72291221	8" Rigid PE Riser with 1/2" MPT	25	250
PRRAT10	72291222	10" Rigid PE Riser with 1/2" MPT	25	250
PRRAT12	72291223	12" Rigid PE Riser with 1/2" MPT	25	250
PRRAT18	72291224	18" Rigid PE Riser with 1/2" MPT	25	250

Accessories

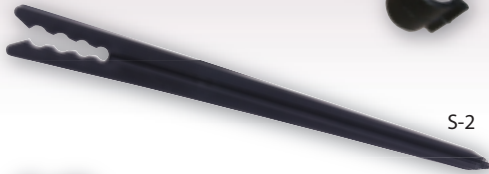
Staples and Tie-down Stakes

Applications

- To staple distribution tubing, PE, and dripline to finished grade



S-1



S-2



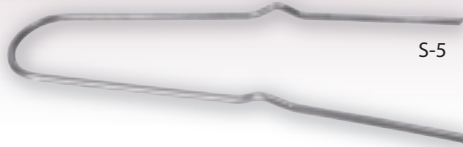
S-3



PS08



S-7



S-5



S-4

Staples and Tie Down Stakes

Model #	Part #	Description	Bag Qty	Box Qty
S-5	72290045	Stay-put Wire Anchor. Use on tubing up to 1" OD	25	300
PS08	72500937	8" Wire Stake, fits 1/8" through 1/2" tube	25	300
S7	72500527	6" Heavy-Duty Wire Staple, holds up to .940" OD	25	300
S-1	72290041	700 and 710 Tubing Top Clip Stake	25	250
S-2	72290042	1/4" Plastic Locator Stake (to hold tubing from .167" to .350" OD in place)	25	500
S-3	72290043	1/8" Plastic Locator Stake (to hold micro tubing .187" OD in place)	25	500
S-4	72290044	1/2" Tubing Bottom Clip	25	250

Figure Eight Hose End

Applications

- Used at ends of polyethylene or dripline
- Easily removed for flushing



600-AP8
700-AP8
800/900-AP8
1000-AP8

Figure 8 Tubing End Closures

Model #	Part #	Description	Bag Qty	Box Qty
600-AP8	72290017	16mm and 17mm Figure 8 Hose End (Fits tubing OD up to .660")	25	300
700-AP8	72290018	1/2" Figure 8 Hose End (Fits tubing OD up to .720")	25	300
800/900-AP8	72290019	3/4" Figure 8 Hose End (Fits tubing OD up to .927")	25	200
1000-AP8	72290001	1" Figure 8 Hose End (Fits tubing OD up to 1.30")	25	200

Accessories

Plastic Stakes

Applications

- To support rigid risers and 1/4" tube used in micro sprinkler assemblies



Ordering Information

Plastic Stakes				
Model #	Part #	Description	Bag Qty	Box Qty
RSTAKE	72015046	6" Riser Stake with 10-32 Threaded Outlet	25	250
PCS12	72500807	12" Plastic Stake, Accepts .250" and .307 OD Tubing, PSA1032, and Rigid Risers	25	225
PSA1032	72500966	Snap-in Stake Adapter, 10-32 Female Thread x 1/4" Barb	100	500
SA24B	72501232	Stake Assembly with 24" PE Tube (0.160" x 0.250") with 1/4" Barb	50	150
SA24BV	72501233	Stake Assembly with 24" Vinyl Tube (0.160" x 0.300") with 1/4" Barb	50	150
ASTA8	72290069	8" ASTA Stake. Fits .270" OD Micro Tubing or .300" PE Rigid Riser	25	300
ASTA12	72290070	12" ASTA Stake. Fits .270" OD Micro Tubing or .300" PE Rigid Riser	25	150
ASTA16	72290071	16" ASTA Stake. Fits .270" OD Micro Tubing or .300" PE Rigid Riser	25	150
ASTA21	72290072	21" ASTA Stake. Fits .270" OD Micro Tubing or .300" PE Rigid Riser	25	150

Accessories

Flex Strap™ Tree Ties

Applications

- To assist in staking and stabilizing young trees

Features/Benefits

- Flexible vinyl allows tree to grow without damage
- UV resistant
- No hammering - stretches tight
- Saves time
- Allows tree movement as desired to build strength
- Durable vinyl will not break in high winds

Material

Durable UV resistant Vinyl



Specifications

- Insert slots every 12" for maximum flexibility
- 50' coils or 500' coils
- Holds securely to any kind of stake

Flex Strap™ Tree Ties

Model #	Part #	Description	Bag Qty	Box Qty
FSTT-50	71240005	Tree Ties, Durable Vinyl Construction, Coil Length 50' (List price = 1 carton)	-	12
FSTT-500	71240003	Tree Ties, Durable Vinyl Construction, Coil Length 500'	1	2

Pressure Gauges

Applications

- To measure the system pressure



Pressure Gauges

Model #	Part #	Description	Bag Qty	Box Qty
LFPG30	72070326	0 - 30 PSI Liquid Filled Pressure Gauge, 2 1/2" Face	1	10
LFPG60	72070328	0 - 60 PSI Liquid Filled Pressure Gauge, 2 1/2" Face	1	10
LFPG100v	72070347	0 - 100 PSI Liquid Filled Pressure Gauge, 2 1/2" Face	1	10

Accessories

Hole Punches

Applications

- Use to make holes in polyethylene tubing when installing drippers and micro sprinklers



Ordering Information

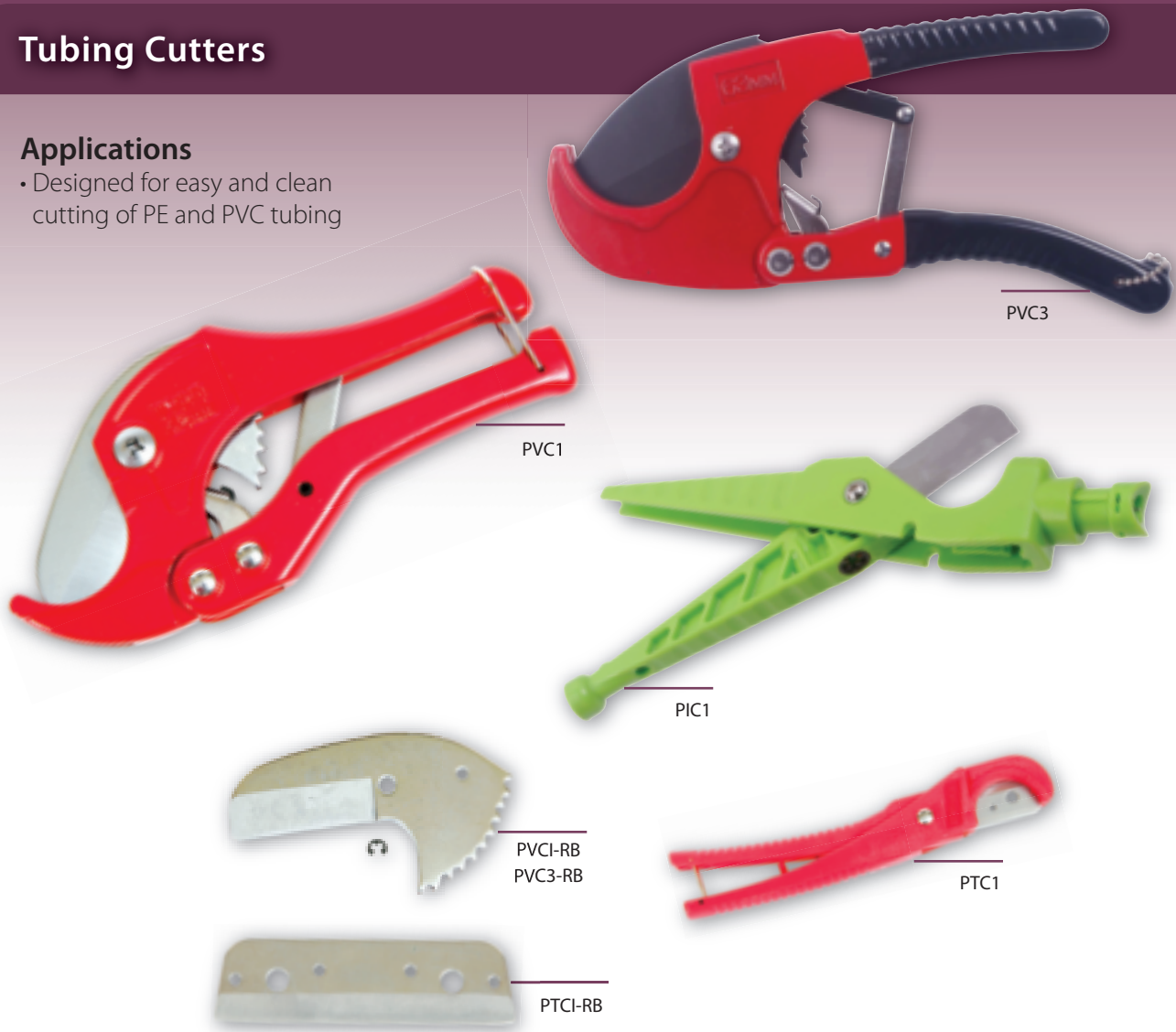
Hole Punches				
Model #	Part #	Description	Bag Qty	Box Qty
HPT125	72501090	T-Handle Hole Punch for 1/8" and 1/4" Connectors and Emitters	10	50
PQP125	72500491	Quick Punch for 1/8" and 1/4" Barb Fittings	10	200
PKP160	72501091	Key Punch™	25	250
DP-M	72015085	Disposable Mini Hole Punch	10	250
31-AP025	72071006	Ejector Punch for 1/4" Micro Fittings (drippers, barbs, etc)	1	10
31-AP030	72071008	Ejector Punch for 4mm Barbs (NaanDanJain Modular Group)	1	10
32-AMP3	72071033	Pro Punch (Miracle Punch) with 3mm Tip	1	-
32-AMP4	72071036	Pro Punch (Miracle Punch) with 4mm Tip	1	-
PP1	72071042	Pocket Punch	1	10

Accessories

Tubing Cutters

Applications

- Designed for easy and clean cutting of PE and PVC tubing



Ordering Information

Tubing and PVC Cutters

Model #	Part #	Description	Bag Qty	Box Qty
PIC1	72071043	Punch N Cut - Combination Tubing Cutter, Hole Punch, and Insertion Tool	1	10
PTC1	72070400	Tubing Cutter	1	10
PTC1-RB	72070401	Tubing Cutter - Replacement Blade	1	-
PVC1	72070402	Rigid PVC Tube Cutter - 1"	1	10
PVC1-RB	72070403	Replacement Blade for PVC Tube Cutter - 1"	1	-
PVC3	72070404	Rigid PVC Tube Cutter - 2"	1	6
PVC3-RB	72070405	Replacement Blade for PVC Tube Cutter - 2"	1	-

Accessories

Ratchet Clamps

Applications

- For securing the connection when using a single barb insert fitting



Ratchet Clamps

Model #	Part #	Description	Bag Qty	Box Qty
RC15	72291200	Ratchet Clamp # 15 (Tube OD .590" - .630")	100	500
RC17	72291201	Ratchet Clamp # 17 (Tube OD .630" - .709", 16 and 17mm Dripline)	100	500
RC18	72291202	Ratchet Clamp # 18 (Tube OD .670" - .750", 600 x 700 Dripline and 18mm Dripline)	100	500
RC23	72291203	Ratchet Clamp # 23 (Tube OD .860" - .945", 3/4" PE Tubing)	100	500
RC28	72291204	Ratchet Clamp # 28 (Tube OD 1.06" - 1.18", 1" PE Tubing)	100	500

Hand Pump

Applications

- To quickly pump out water filled valve boxes, broken pipe lines, and sprinkler repair sites

Features/Benefits

- Self priming action
- Debris tolerant
- High flow capacity - 13 GPM, 4 strokes
- Intake grate filter designed to prevent internal clogging from ingested debris
- Removable intake and top cap for easy cleaning
- Outlet stake directs discharge where you want it to go

Specifications

- Overall body length of 39", diameter of 1 1/2"
- Flexible non-crushable 6' outlet hose

Material

PVC body and components



Hand Pump

Model #	Part #	Description	Bag Qty	Box Qty
HP-36	72071044	Manually Operated Hand Pump with Outlet Stake	1	10

Tubing

Polyethylene Supply Tubing - 1/2" - 1"

Features

- Available in a variety of colors; black, brown, or purple (See emitterline section for brown and purple tubing)
- Made of low density UV resistant polyethylene resin material
- Available in a wide range of diameters and coil lengths
- May be used above and below ground
- Minimum 2% carbon black for maximum UV protection

Specifications

- Operating pressure up to 60 PSI
- Sizes
 - .620" OD x .520" ID - 16mm
 - .660" OD x .560" ID - 17mm
 - .700" OD x .600" ID
 - .710" OD x .620" ID - 18mm
 - .940" OD x .820" ID - 3/4" (Black only)
 - .940" OD x .830" ID - 3/4" (Black only)
 - 1.20" OD x 1.06" ID - 1" (Black only)



Material

Linear low density polyethylene

Black Polyethylene Tubing

Model #	Part #	Description	Coil Length	Pallet Qty
620X520-100PE	71200061	PE .620" x .520" .050" Wall, Black	100'	99
620X520-500PE	71200064		500'	28
620X520-1000PE	71200067		1,000'	28
660X560-100PE	71200370	PE .660" x .560" .045" Wall, Black (17mm)	100'	72
660X560-500PE	71200371		500'	28
660X560-1000PE	71200372		1,000'	28
700X600-100PE	71200002	PE .700" x .600" .050" Wall, Black	100'	72
700X600-500PE	71200007		500'	28
700X600-1000PE	71200001		1,000'	28
710X620-100PE	71200012	PE .710" x .620" .045" Wall, Black (18mm)	100'	72
710X620-500PE	71200017		500'	28
710X620-1000PE	71200018		1,000'	24
940X820-100PE	71200041	PE .940" x .820" .060" Wall, Black	100'	24
940X820-250PE	71200043		250'	24
940X820-500PE	71200044		500'	10
940X830-100PE	71200143	PE .940" x .830" .060" Wall, Black	100'	24
940X830-250PE	71200137		250'	24
940X830-500PE	71200138		500'	10
1200X1060-100PE	71200026	PE 1.20" x 1.06" .070" Wall, Black	100'	10
1200X1060-500PE	71200114		500'	8
1200X1060-660PE	71200025		660'	8

Tubing

Polyethylene Micro-Tubing

Features

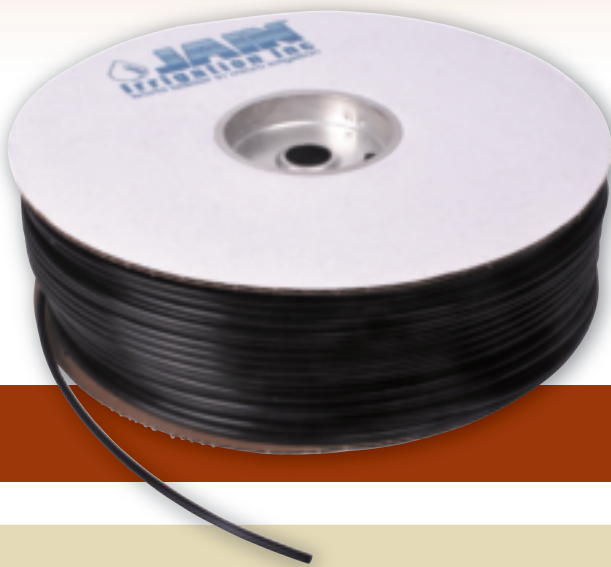
- Available in a variety of colors; black, brown, or beige
- Made of low density UV resistant polyethylene resin material
- Available in a wide range of coil lengths
- May be used above and below ground
- Minimum 2% UV inhibitor for maximum protection

Specifications

- Operating pressure up to 60 PSI
- Sizes
 - .187" OD x .125" ID - 1/8"
 - .220" OD x .160" ID
 - .250" OD x .170" ID - 1/4"

Material

Linear low density polyethylene



Ordering Information

Polyethylene Micro-Tubing				
Model #	Part #	Description	Coil Length	Box/Pallet Qty
187X125-50PE	71190800	PE Micro-Tubing 1/8", .187" x .125", Black	50'	40/1,000
187X125-100PE	71190149		100'	25/900
187X125-500PE	71190152		500'	2/72
187X125-1000PE	71190589		1,000'	2/72
220X160-50PE	71190257	PE Micro-Tubing, .220" x .160", Black	50'	40/1,000
220X160-100PE	71190255		100'	20/720
220X160-500PE	71190801		500'	2/72
220X160-1000PE	71190595		1,000'	2/72
250X170-50PE	71190338	PE Micro-Tubing 1/4", .250" x .170", Black	50'	20/720
250X170-100PE	71190334		100'	40/1,000
250X170-500PE	71190320		500'	2/72
250X170-1000PE	71190600		1,000'	2/72
250X170-50PEB	71190900	PE Micro-Tubing 1/4", .250" x .170", Brown	50'	40/1,000
250X170-100PEB	71190901		100'	15/540
250X170-500PEB	71190902		500'	2/72
250X170-1000PEB	71190903		1,000'	2/72
250X170-50PEBG	71190904	PE Micro-Tubing 1/4", .250" x .170", Beige	50'	40/1,000
250X170-100PEBG	71190905		100'	15/540
250X170-500PEBG	71190906		500'	2/72
250X170-1000PEBG	71190907		1,000'	2/72

Tubing

Vinyl Micro-Tubing

Features:

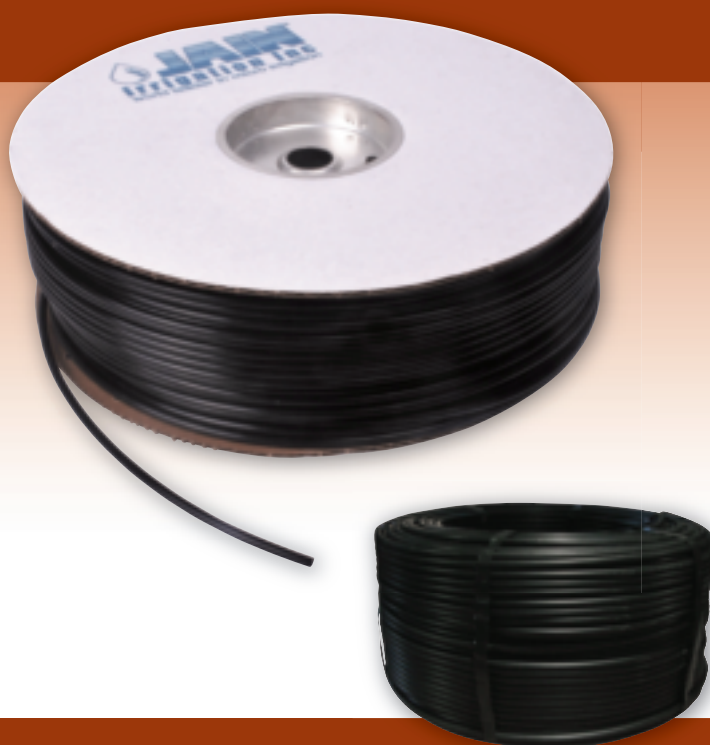
- Available in a wide range of coil lengths
- Made of UV resistant PVC resin material
- Made for use above and below ground

Specifications

- Operating pressure up to 60 PSI
- Sizes
 - .187 OD" x .125" ID - 1/8"
 - .220" OD x .160" ID
 - .250" OD x .170" ID - 1/4"
- Stiffness: 90 shore

Material

Vinyl



Ordering Information

Vinyl Micro-Tubing

Model #	Part #	Description	Coil Length	Box/Pallet Qty
187X125-50V	71190168	Vinyl Micro-Tubing 1/8", .187" x .125", Black	50'	40/1,000
187X125-100V	71190172		100'	25/900
187X125-500V	71190171		500'	2/72
187X125-1000V	71190591		1,000'	2/72
220X160-50V	71190055	Vinyl Micro-Tubing, .220" x .160", Black	50'	40/1,000
220X160-100V	71190042		100'	20/720
220X160-500V	71190685		500'	2/72
220X160-1000V	71190597		1,000'	2/72
250X170-50V	71190355	Vinyl Micro-Tubing 1/4", .250" x .170", Black	50'	40/1,000
250X170-100V	71190351		100'	15/540
250X170-500V	71190636		500'	2/72
250X170-1000V	71190602		1,000'	2/72

Tubing

1/4" Jain Bubbler Tubing

Applications

- For use with Octa-Bubblers, QuadraBubblers, and QB2's

Features and Benefits

- Vinyl or polyethylene tubing
- Flexible and durable

Materials

Vinyl: ASTM D-2287 non-rigid vinyl

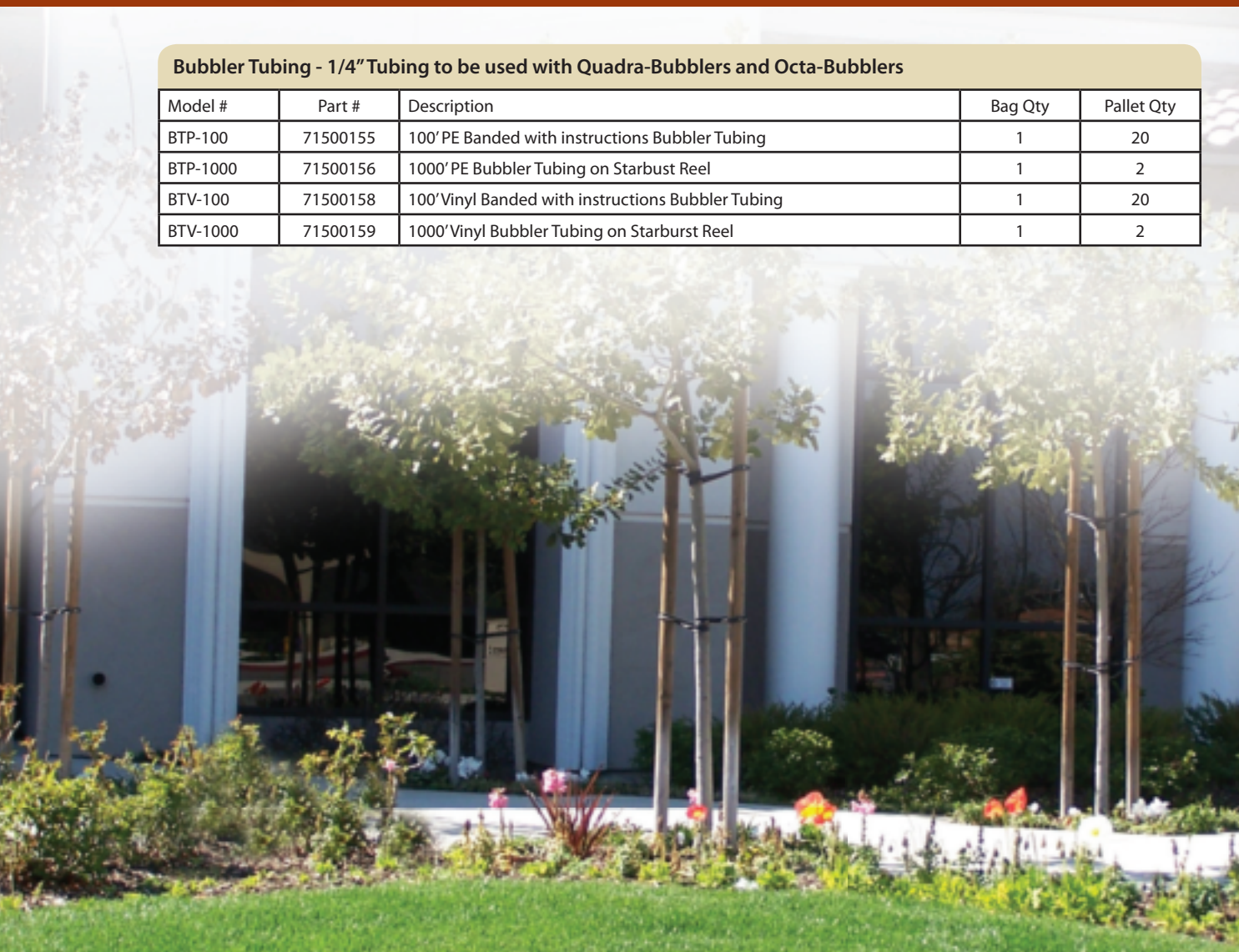
PE: Linear low density polyethylene



Ordering Information

Bubbler Tubing - 1/4" Tubing to be used with Quadra-Bubblers and Octa-Bubblers

Model #	Part #	Description	Bag Qty	Pallet Qty
BTP-100	71500155	100' PE Banded with instructions Bubbler Tubing	1	20
BTP-1000	71500156	1000' PE Bubbler Tubing on Starburst Reel	1	2
BTV-100	71500158	100' Vinyl Banded with instructions Bubbler Tubing	1	20
BTV-1000	71500159	1000' Vinyl Bubbler Tubing on Starburst Reel	1	2



Tubing

Flexible PVC (IPS) and Algae Resistant IPS

Applications

- Use in place of rigid PVC for easier install

Features

- Available with Algae Barrier to inhibit algae growth
- Makes tight bends without kinks or breakage
- Flexible PVC makes installation easy
- Speeds installation of sprinklers with fast connections
- Makes setting sprinklers to grade easy
- Protects sprinklers and pipes from impact damage.
- Helps position hard-to-place sprinklers
- High flow and UV resistant

Specifications

- Sizes
 - .546 ID" x .840" OD - 1/2"
 - .742" ID x 1.050" OD - 3/4"
- Maximum working pressure: 50 PSI
- Wall thickness:
 - 1/2" - .147" thick
 - 3/4" - .154" thick
- Stiffness: 90 shore

Materials

ASTM D-2287 non-rigid vinyl



Ordering Information

IPS "Flex" Vinyl (PVC) Pipe

Model #	Part #	Description	Coil Length	Pallet Qty
1/2-IPS-100	71210008	Black PVC Flexible Hose 1/2", .546" ID x .840" OD	100'	50
1/2-IPS-200	71210007	Black PVC Flexible Hose 1/2", .546" ID x .840" OD	200'	24
3/4-IPS-100	71210061	Black PVC Flexible Hose 3/4", .742" ID x 1.050" OD	100'	36
3/4-IPS-200	71210060	Black PVC Flexible Hose 3/4", .742" ID x 1.050" OD	200'	24

1/2" ARHF-IPS	71210201	1/2" Black Algae Resistant PVC Flexible Hose - 200 foot coil	200'	24
3/4" ARHF-IPS	71210064	3/4" Black Algae Resistant PVC Flexible Hose - 200 foot coil	200'	24

Tubing

Softube™ - Extra Flexible for Easier Handling Swing Pipe - Flexible, Thick-walled PE Pipe

Features and Benefits

- Use in place of rigid pipe for installations
- Flexible polyethylene allows easy insertion of Spiral Barb Fittings
- Speeds installation of sprinklers with fast connections
- Swing pipe assembly makes setting sprinklers to grade easy
- Marks along tubing make cutting to length easier
- Helps position hard-to-place sprinklers
- UV resistant
- Protects sprinklers and pipes from impact damage.

Specifications

- Size: .490" ID x .680" OD
- Wall thickness: .100"
- Maximum flow: 8 GPM

Softube™

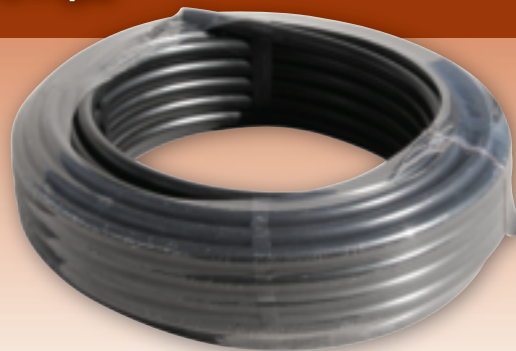
- Maximum working pressure: 85 PSI

Swing Pipe

- Maximum working pressure: 125 PSI

Material:

Linear low density polyethylene



Ordering Information

Softube™ - Tire Wrap Packagng

Model #	Part #	Description	Coil Length	Pallet Qty
680X490-STTW	71230030	1/2" Softube, 100' Coil	100'	60

Poly Swing Pipe - Tire Wrap Packaging

Model #	Part #	Description	Coil Length	Pallet Qty
690X490-PETW	71230004	1/2" Poly Swing Pipe, 100' Coil	100'	60

Product Warranty

Limited Warranties – Manufacturing Defects

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

Limited Warranties - Manufacturing Defects	
Product	Materials and Workmanship
Polyethylene and Vinyl Tubing	5 years
Emitterline	7 years
All other Jain and NaanDanJain Manufactured Parts	1 year

THIS IS THE ENTIRE EXCLUSIVE SCOPE OF THIS WARRANTY, AND ANY PORTION HEREOF CAN NOT BE ALTERED, WAIVED, EXTENDED, OR EXPANDED, AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED, IMPLIED OR OTHERWISE COMMUNICATED, INCLUDING WARRANTIES OF MERCHANTABILITY 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 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.

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 \$100.00 net minimum order is required.

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.

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 & 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. Weights are in "pounds" (lbs.); Carton Dimensions as in "inches" (in.); Carton Cubes are in "feet" (ft.). Must Order in Bag or Carton Quantities. Contact your Territory Sales Manager for custom items or truckload tubing quantities.



Jain Irrigation Inc.
World Leader in Micro-Irrigation

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