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Drainage**



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Manufacturer's Index

ADS	85,87,88,89	Febco	42	Pierce / Fresno Fittings	47,90-97
Agri-Inject	45	Fieldwise	13	Pro Products	46
Amiad Filtration Systems	49,50	Great Lakes Suction Filter	63	Protek Specialty Co.	64
Antelco	22	Gorman Rupp	61	Rain Bird - Ag.	4-6,21,23,24,32,33,34,53
Armada Technologies	40	Hasegawa Ladder	105	Rain Bird - Turf	2,3,28
Banjo Corporation	58	Hickok Loppers	104	Reed Manufacturing	69
Barnel USA	104	Hydro-Rain	36	Regency Wire	41
Berkeley Pumps	59,60	IACO	99	Rinieri	102
Big Foot Manufacturing	63	Irrrometer	38	Riverscreen Inc.	63
Blue-White Industries	43	Jain Irrigation Systems	19,21,22,25,48	Senninger Irrigation	26
Bullseye Products	68	John Deere	62	Seymour Midwest	70
Cadman Power Equipment	16,17,64	K-Rain	35	Spears Manufacturing	68,72-81
Centennial Plastics	67	Kiddie Fire/Angus Armour	83	Sta-Rite / Pentair	55,56,57,59,60
CDS John-Blue Company	43	Kifco/Ag-Rain	14,15	Strataflo Products	53
Caprari Pump	61	Komet Irrigation	11	Sure-Flo Fittings	65,66
Cornell Pump	61	Kuriyama Corporation	20,83	Tallman Ladders	105
Cima	100,101	Matco-Norca	27	T-L Irrigation	12
Corona Tools	103	Mazzei Injector Company	44	Toro - Ag.	18,20,21,25,29,30,31
Cresline Plastic Pipe Co.	67	Mix-Rite Injectors	45	V-Rain	7
Cummins	62	Munro Pump	53,54	Vu-Flow Filters	52
Cycle Stop Valves® Inc.	52	Murphy Industries	62	Water-Right	51
Davis Instruments	39	NDS/Flo-Control	28,71,86,89	Weathermatic	37
Decco Postharvest	106	Nelson Irrigation	7,8,9,10	HN Webster	99
Dekorrra Products	28	Newby Rubber	98	Wilkins	42
Dixon Valve & Coupling	82			Well-X-Trol	58

Index by Description

Air Vents	8,30	Travellers	14,15,16,17	Sprayers & Components	100,101
Automation	9,13	Joint Compound	53,68	Sprinklers-Gear Drives	2,3
Backflow Preventers	42,60,71,97	Moisture Sensors	36,37,38,39	Sprinklers-Impacts	3-7
Camlock Fittings	82	Monitoring Equipment	13,31,39	Sprinklers-Big Guns	10,11
Center Pivots	12	Pipe-Polyethylene	20,25,67	Sprinklers-Rotators	7,8,26
Check Valves	53,71,97	Pipe-PVC	66	Sprinkler Risers	99
Chemigation	43,44,45,97	Poly Insert fitting	72,73	Sprinklers-Sprays	7,24
Clamps	19,84,97	Pressure Gauges	53,62	Steel Weld Fittings	90
Controllers	9,13,29,31,32,33,35,36,37,39	Pressure Regulators	23,26,52,53	Suction Fittings	63,65,66
Diesel Engines	62	Pressure Tanks	58	Suction Screens/Filters	53,63,65,66,82
Drainage	85,86,87,88,89	Primer Pump	64	Tapes	41
Drip Emitters	24,25	Pump Accessories	53,60,62	Tools	19,22,40,41,69,70,102,103,104
Drip Fittings	19,22,23,24,25	Pump-Electric	54-59,61	Tripod Ladders	105
Drip Tube & Tape	18,21	Pump-Gas	58	Valve Boxes	28
Electrical Testing Equipment	40	Pump-Hand Primers	64	Valves-Ball	19,27
Epoxy Coated Fittings	91,92	Pump-Injection	43,45	Valves-Butterfly	27
Filters	47,48,49,50,51,52,63	Pruning Tools	102-104	Valves-Electric	8,9,23,30,34,35
Galvanized Pipe Nipples	81	PVC Repair Couplings	71	Valves-Gate	27
Gaskets-Flange	97,98	PVC Nipples	81	Valves-Quick Coupler	34,99
Gaskets-Pipe	97,98	PVC Sch. 40 Fittings	74-78	Water Treatment	46,51
Gaskets-Suction	66,97	PVC Sch. 80 Fittings	79,80	Well Screens & Accessories	53
Hook & Latch Fittings	94,95,96	Ringlock Fittings	93,96,97	Wire and Connectors	41
Hose	20,25,83	Rock Enclosures	28	Weather Station	39
Hose Fittings	20,82	Saddles	77,91		
Injectors	43,44,45,46	Solvents & Sealants	53,68	Friction Loss Charts	107-109
		Spray Nozzles	24	MI Tax Exemption Form	110
				Credit Application Forms	111,112

Rain Bird Rotors

Rain Bird Rotor Sprinklers set the standard for durability, and come stocked with features which ensure reliable performance. There's a Rain Bird rotor for every application -- for low pressure and steep slopes, in high wind areas, with non-potable water, even areas where vandalism could be a problem. Choose Rain Bird rotors to get the job done, and get the results you're seeking.

5000 Series



Features:

- 5000, 5000 Plus and 5000 Plus PRS Series Rotors are available in 4", 6", 12", Shrub, and Stainless Steel (5000 Plus/5000 Plus PRS 4" & 6" only) models.
- The 5000 Plus features a Flow Shut-Off device to stop the flow of water to a particular head while the system is still in operation.
- Slip clutch mechanism for quick adjustment on installation.
- Heavy-duty retract spring assures positive pop-down.
- Top-adjust arc adjustment requiring only a flat-blade screwdriver.
- 40 - 360° arc rotation and reversing full circle rotation in one.
- Pressure-activated multi-function wiper seal protects internals from debris and assures positive pop-up and retraction.
- Five-year trade warranty.
- Optional stainless steel riser helps deter vandalism on public turf areas (4" and 6" 5000 Plus / 5000 Plus PRS only)
- Optional Seal-A-Matic (SAM) check valve which prevents water from pooling at the base of slopes or hillsides.
- Optional Pressure Regulating Stem (PRS) which regulates pressure at the head, assuring optimum performance.

Specifications:

- Precipitation rate: 0.20 to 1.01 inches per hour
- Radius: 25 to 50 feet
- Radius may be reduced up to 25% with radius reduction screw
- Pressure: 25-65 psi
- Flow Rate: 0.73 to 9.63 gpm

Part Number	Description
RB5000S	Shrub Head
RB5004PC	Standard Part Circle
RB5004FC	Standard Full Circle
RB5012+PCSR	12" Part Circle

5000/5000 Plus Nozzle Performance					
Pressure PSI	Nozzle	Radius Ft.	Flow gpm	Precipitation Rate [▲]	
				In/Hr	In/Hr
25	1.5	33	1.12	0.20	0.23
	2.0	35	1.50	0.24	0.27
	2.5	35	1.81	0.28	0.33
	3.0	36	2.26	0.34	0.39
	4.0	37	2.91	0.41	0.47
	5.0	39	3.72	0.47	0.54
	6.0	39	4.25	0.54	0.62
	8.0	36	5.90	0.88	1.01
35	1.5	34	1.35	0.22	0.26
	2.0	36	1.81	0.27	0.31
	2.5	37	2.17	0.34	0.35
	3.0	38	2.71	0.36	0.42
	4.0	40	3.50	0.42	0.49
	5.0	41	4.47	0.51	0.59
	6.0	43	5.23	0.54	0.63
	8.0	43	7.06	0.74	0.85
45	1.5	35	1.54	0.24	0.28
	2.0	37	2.07	0.29	0.34
	2.5	37	2.51	0.35	0.41
	3.0	40	3.09	0.37	0.43
	4.0	42	4.01	0.44	0.51
	5.0	45	5.09	0.48	0.56
	6.0	46	6.01	0.55	0.63
	8.0	47	8.03	0.70	0.81

Pressure PSI	Nozzle	Radius Ft.	Flow gpm	Precipitation Rate	
				In/Hr □	In/Hr ▲
55	1.5	35	1.71	0.27	0.31
	2.0	37	2.30	0.32	0.37
	2.5	37	2.76	0.39	0.45
	3.0	40	3.47	0.42	0.48
	4.0	42	4.44	0.48	0.56
	5.0	45	5.66	0.54	0.62
	6.0	47	6.63	0.58	0.67
	8.0	50	8.86	0.68	0.79
65	1.5	34	1.86	0.31	0.36
	2.0	35	2.52	0.40	0.46
	2.5	37	3.01	0.45	0.49
	3.0	40	3.78	0.45	0.53
	4.0	42	4.83	0.53	0.61
	5.0	45	6.16	0.59	0.68
	6.0	48	7.22	0.60	0.70
	8.0	50	9.63	0.74	0.86



Rainbird Plastic Impact Sprinklers & K-Rain Rotors

Rain Bird Plastic Impact Sprinklers were designed for a variety of uses where full circle sprinklers should not over-throw water into restricted areas. The body, arm, bearing sleeve and nipple are made of durable Delrin Plastic.

2045-PJ Maxi



Features:

- 1/2" male NPT, plastic inlet bearing
- 23deg Trajectory Standard
- Operates from 25 - 60 psi
- Full or part circle operation
- Integral straightening vane for greater distance
- Plastic Quick Fit nozzles
- Two year Customer satisfaction Policy



Part Number	Description
2045PJAG	Maxi Paw Impact Only
2045A08	Maxi Paw in Canister

PSI @ Nozzle	Quick Fit Nozzle Size									
	3/32" Red		7/64" Black		1/8"*** Blue		5/32" Yellow		3/16" Beige	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
25	-	-	32	2.2	35	2.8	38	4.2	39	5.5
35	37	2.0	37	2.7	38	3.3	41	4.8	42	6.3
45	38	2.3	39	3.0	40	3.7	42	5.4	44	7.1
55	38	2.5	41	3.3	41	4.1	43	6.0	45	7.9
60	38	2.6	41	3.5	41	4.2	44	6.4	45	8.4

**Assembled Spinklers come with blue 1/8" nozzle

K Rain Super Pro Rotor Sprinklers with Intelligent Flow Technology and patented Flow Control allows the reduction of distance while simultaneously and proportionately reducing the flow rate down 50%. Water savings of up to 30% or more is achievable with this innovative feature.

K-Rain Rotor



Specifications:

- Inlet: 3/4" NPT thread
- Arc Adjustment: 40 - Continuous 360 degrees
- Flow Range: .5-9.5 gpm
- Pressure Range: 20-70 psi
- Precipitation Rate: .21 - 1.17 inch per hour
- Recommended spacing: 28' - 44'
- Radius: 26' - 49'
- Trajectory: 26 degrees

Part Number	Description
KR10003	Super Pro 6" Rotor
KR10003-HP	Super Pro 12" Rotor
KR10003-CV	Super Pro w/ Check Valve
KR10003-SH	Super Pro Shrub Head

Features:

- Revolutionary Patented Easy Arc Set - Simplified arc set allows for wet or dry adjustment in seconds.
- 2N1 Adjustable or Continuous Rotation - Provides a full range of adjustment from 40deg-360deg.
- Patented Arc Set Degree Markings - Clearly indicates current watering pattern, simplifies arc set adjustment.
- Arc Memory Clutch - Prevents internal gear damage and returns rotor to its prior setting automatically if nozzle turret is forced out of adjustment.
- Time proven patented reversing mechanism - Assures continuous reverse and return.
- Ratcheting riser - Allows for easy adjustment of your left starting position with a simple turn.
- Rubber Cover - Seals out dirt ad increases product durability.
- Rugged Stainless Steel Spring - .093 gauge 302 stainless steel spring extends the life of rotor.
- Optional Check Valve - Prevents low head drainage.



10003 SuperPro Nozzle Performance					
Pressure PSI	Nozzle	Radius Ft.	Flow gpm	Precipitation Rate	
				In/Hr	In/Hr
30	1.0	33	1.2	0.21	0.25
	1.5	34	1.5	0.22	0.26
	2.0	35	1.8	0.28	0.33
	2.5	36	2.5	0.35	0.41
	3.0	36	3.0	0.45	0.51
	4.0	37	4.0	0.56	0.65
	5.0	38	4.8	0.68	0.78
40	6.0	40	6.0	0.72	0.83
	1.0	33	1.3	0.23	0.27
	1.5	34	1.8	0.25	0.29
	2.0	35	2.2	0.35	0.40
	2.5	37	3.0	0.40	0.46
	3.0	38	3.4	0.48	0.55
	4.0	39	4.5	0.57	0.66
50	5.0	40	5.6	0.75	0.86
	6.0	41	6.8	0.78	0.99
	1.0	33	1.5	0.27	0.31
	1.5	36	2.0	0.28	0.32
	2.0	37	2.6	0.39	0.45
	2.5	38	3.4	0.41	0.47
	3.0	38	4.0	0.53	0.62
60	4.0	39	5.2	0.66	0.76
	5.0	41	6.5	0.74	0.86
	6.0	42	7.5	0.82	0.95

Rain Bird Impacts

20JH Full Circle Impact



Widely used on all types of solid set systems, on center pivots, and in general field applications because of its construction and reliability. Excellent performance in low to medium application rates.

Part # 20JH

PSI @ Nozzle	1/8"		9/64"		5/32"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM
35	38	2.68	39	3.39	39	4.19
40	39	2.86	40	3.62	39	4.47
45	39	3.03	40	3.84	40	4.73
50	39	3.20	40	4.05	40	5.00
55	40	3.35	40	4.24	40	5.23
60	40	3.50	41	2.43	41	5.47



30FH Full Circle Impact



The 30FH is designed for general field use, seeing widespread application in solid set and hand moved systems on row crops. Can be used with a single drive nozzle and plug or dually with drive nozzle and spreader nozzle. The 30FH is the fastest rotating sprinkler within the 30 Series Impacts and is excellent for frost protection.

Part # 30FH LESS NOZZLE

PSI @ Nozzle	NOZZLE SIZE							
	9/64"		5/32"		11/64"		3/16"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
35	41	3.40	43	4.20	45	5.10	47	6.00
40	41	3.60	44	4.50	46	5.40	48	6.40
45	42	3.80	44	4.70	46	5.70	49	6.80
50	42	4.10	45	5.00	47	6.10	50	7.20
55	43	4.20	45	5.20	48	6.30	50	7.60
60	43	4.40	46	5.50	48	6.60	51	7.90
65	44	4.60	46	5.80	49	6.90	51	8.20
70	44	4.80	47	5.90	49	7.20	52	8.50
75	45	5.00	47	6.10	50	7.40	52	8.80
80	45	5.10	48	6.30	50	7.70	53	9.10

70CH Full Circle Impact



The 70CHW is designed for general field use and for use on mechanically moved systems, especially center pivot machines. Comes standard with a no-clog straightening vane to ensure excellent performance, even in extreme winds. Add an optional rear spreader nozzle in situations requiring additional short range coverage.

Part # 70CHW

PSI @ Nozzle	NOZZLE SIZE													
	7/32"		1/4"		9/32"		5/16"		11/32"		3/8"		13/32"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
40	57	8.80	60	11.50	62	14.60	65	17.70	66	21.10	68	24.40	70	28.50
45	58	9.40	61	12.20	64	15.50	66	18.90	68	22.50	70	26.00	72	30.40
50	59	9.90	62	12.90	65	16.30	68	20.00	70	23.80	71	27.50	73	32.30
55	60	10.40	63	13.60	66	17.20	70	21.00	71	25.00	73	29.10	75	34.00
60	61	10.90	64	14.20	67	18.00	71	22.00	73	26.20	74	30.60	77	35.70
65	62	11.40	65	14.80	68	18.80	72	23.00	74	27.40	76	32.00	78	37.30
70	63	11.80	66	15.40	70	19.50	73	23.90	76	28.50	77	33.20	79	38.90
75	64	12.20	67	16.00	71	20.30	74	24.80	77	29.60	78	34.50	81	40.40
80	65	12.60	68	16.50	72	20.90	75	25.70	78	30.60	80	35.70	82	41.80

80EHD Full Circle Impact



The 80EHD are useful in a wide variety of applications such as horse pastures, paddocks, arenas, feedlots, dust control, sod farms, or any other application requiring the performance of a 1-1/4" sprinkler. No-clog straightening vane assures excellent coverage in the wind.

Part # 80EWSHD

PSI @ Nozzle	NOZZLE SIZE													
	3/8"		7/16"		15/32"		1/2"		17/32"		9/16"		5/8"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
40	71	25.80	77	33.90	80	38.50	83	42.90	83	47.20	86	53.70	86	65.40
45	73	27.40	79	36.00	82	40.80	85	45.60	88	50.10	90	57.10	92	69.50
50	75	28.90	81	38.00	84	43.10	87	48.10	90	52.90	94	60.20	95	73.30
55	77	30.30	83	39.70	86	45.30	89	50.30	92	55.60	96	63.20	99	77.30
60	79	30.80	86	41.60	88	47.40	91	53.00	94	58.80	97	65.50	101	80.10
65	81	32.00	87	43.30	90	49.90	93	55.30	96	61.20	99	69.40	102	84.40
70	83	33.30	89	45.10	91	51.40	94	57.50	98	63.50	101	72.20	104	87.80
75	84	34.50	90	46.80	93	53.30	96	59.60	99	65.80	102	74.90	105	91.00
80	86	35.70	92	48.40	94	55.10	97	61.60	101	68.10	104	77.50	107	94.10



25BPJ-FP-ADJ Part Circle Impact

Designed for a variety of uses where full circle sprinklers should not overthrow water into restricted areas. Used for such applications on Orchards, Vineyards, Row Crops, Permanent Systems, Solid Set Systems and for end-of-the line/edge-of-field positions.

Part # 25BPJFPADJ

PSI @ Nozzle	NOZZLE SIZE					
	9/64"		5/32"			
	106160-09	105842-10	Rad.	GPM	Rad.	GPM
30	38	3.10	39	3.80		
35	38	3.40	39	4.10		
40	39	3.60	40	4.40		
45	39	3.80	40	4.70		
50	40	4.00	41	5.00		



35A-TNT Part Circle Impact

Used in a wide range of applications. Adjustable trip slip pin converts the sprinkler from part circle to full circle operation. Models are available with keyhole, straight bore, adjustable pin and distance control style nozzles. Used primarily on Row Crops, Field Crops, Wheel Line Systems, Permanent Systems, Solid Systems, and end-of-line/edge-of-field positions.

Part # 35A-PJDA

PSI @ Nozzle	NOZZLE SIZE					
	5/32"		11/64"		3/16"	
	100328-10	100328-11	100328-12	Rad.	GPM	Rad.
30	42	3.90	43	4.60	44	5.50
35	43	4.20	44	5.00	46	6.00
40	44	4.50	45	5.40	47	6.40
45	44	4.70	46	5.70	48	6.80
50	45	5.00	47	6.00	49	7.20
55	45	5.20	48	6.30	50	7.50
60	46	5.40	48	6.60	51	7.80



65PJ Part Circle Impact

Has a wide range of applications. Added versatility comes from an adjustable trip slip-pin that converts the sprinkler to full circle applications. The PJ precision jet arm eliminates side splash.

Part # 65PJ TNT ADJUSTABLE

PSI @ Nozzle	NOZZLE SIZE	
	1/4"	
	100385-16	Rad.
50	57	12.90
55	57	13.60
60	58	14.20
65	62	14.80
70	63	15.40
75	64	16.00
80	65	16.50



85EHD Part Circle Impact

The 85EHD Tough Bird® Impact Sprinkler has a wide range of uses but are widely used as end guns on center pivot machines. All models have an improved bearing with features similar to Rain Bird's superior "H" bearing. Common applications include Field Crops, Row Crops, Vegetables, Pivots & Linears, Permanent Systems, Solid Set Systems and Portable Systems.

Part # 85EHD

PSI @ Nozzle	NOZZLE SIZE													
	3/8"		7/16"		15/32"		1/2"		17/32"		9/16"		5/8"	
	103043-24	103043-28	103043-30	103043-32	103043-34	103043-36	103043-40	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.
40	71	25.80	77	33.90	80	38.50	83	42.90	83	47.20	86	53.70	86	65.40
45	73	27.40	79	36.00	82	40.80	85	45.60	88	50.10	90	57.10	92	69.50
50	75	28.90	81	38.00	84	43.10	87	48.10	90	52.90	94	60.20	95	73.30
55	77	30.30	83	39.70	86	45.30	89	50.30	92	55.60	96	63.20	99	77.30
60	79	30.80	86	41.60	88	47.40	91	53.00	94	58.80	97	65.50	101	80.10
65	81	32.00	87	43.30	90	49.90	93	55.30	96	61.20	99	69.40	102	84.40
70	83	33.30	89	45.10	91	51.40	94	57.50	98	63.50	101	72.20	104	87.80
75	84	34.50	90	46.80	93	53.30	96	59.60	99	65.80	102	74.90	105	91.00
80	86	35.70	92	48.40	94	55.10	97	61.60	101	68.10	104	77.50	107	94.10

LF2400 Sprinkler

Built rugged to withstand the harsh conditions such as Agricultural applications, the Rain Bird LF Series Sprinklers combine the advantages of an impact sprinkler with stream height flexibility and precise uniform water distribution.



- Nozzles & deflectors are color coded for easy identification and snap in place for easy replacement
- Assembly/Disassembly requires no tools
- Anti-theft options available



- Edge guard provides users the ability to keep water out of roads, walkways, or the end of the field by directing water back into the desired area

by directing water back into the desired area



- Splash guard allows users to change or clean nozzles without getting soaked

New expanded flow rates and 5-year extended warranty!

Deflector	Nozzle	Stream Height (in)	Flow Rate (gpm)								Part #	
			Radius (ft)								NPT	ACME
			25psi	30psi	35psi	40psi	45psi	50psi	55psi	60psi		
10° Lime 118599	Green 0.109" 11809807	20-38	1.69	1.85	2.00	2.15	2.28	2.45	2.57	2.70	A85201C100	A85203C100
			27	29	30	32	33	34	34	35		
	Tan 0.117" 11809830	24-38	1.97	2.17	2.35	2.53	2.67	2.81	2.95	3.09	A85201C103	A85203C103
			29	30	32	33	34	35	35	36		
	Red 0.125" 11809808	24-41	2.24	2.50	2.70	2.89	3.07	3.20	3.36	3.52	A85201C100	A85203C100
30			32	33	34	35	36	36	36			
Black 0.133" 11809829	30-48	2.52	2.81	3.03	3.25	3.45	3.60	3.75	3.88	A85201C102	A85203C102	
		30	32	33	35	35	36	36	37			
Silver 0.143" 11809809	32-44	2.93	3.27	3.53	3.78	4.02	-	-	-	A85201C100	A85203C100	
		32	34	35	36	37	-	-	-			
13° Maroon 118600	Green 0.109" 11809807	28-50	1.69	1.85	2.00	2.15	2.28	2.45	2.57	2.70	A85201C130	A85203C130
			30	31	32	33	34	34	35	35		
	Tan 0.117" 11809830	30-48	1.97	2.17	2.35	2.53	2.67	2.81	2.95	3.09	A85201C133	A85203C133
			31	32	33	36	35	36	36	36		
	Red 0.125" 11809808	32-49	2.24	2.50	2.70	2.89	3.07	3.20	3.36	3.52	A85201C130	A85203C130
31			33	34	35	36	37	38	37			
Black 0.133" 11809829	33-50	2.52	2.81	3.03	3.25	3.45	3.60	3.75	3.88	A85201C132	A85203C132	
		32	33	34	35	36	36	37	37			
Silver 0.143" 11809809	38-54	2.93	3.27	3.53	3.78	4.02	-	-	-	A85201C130	A85203C130	
		33	36	37	38	39	-	-	-			
15° Tangerine 118583	Green 0.109" 11809807	32-50	1.69	1.85	2.00	2.15	2.28	2.45	2.57	2.70	A85201C150	A85203C150
			36	32	33	34	35	35	36	37		
	Tan 0.117" 11809830	28-50	1.97	2.17	2.35	2.53	2.67	2.81	2.95	3.09	A85201C153	A85203C153
			30	33	34	36	36	36	37	37		
	Red 0.125" 11809808	35-54	2.24	2.50	2.70	2.89	3.07	3.20	3.36	3.52	A85201C150	A85203C150
32			34	35	37	37	37	37	37			
Black 0.133" 11809829	40-67	2.52	2.81	3.03	3.25	3.45	3.60	3.75	3.88	A85201C152	A85203C152	
		32	36	37	38	38	39	39	40			
Silver 0.143" 11809809	42-57	2.93	3.27	3.53	3.78	4.02	-	-	-	A85201C150	A85203C150	
		34	36	37	39	39	-	-	-			
22° Dark Green 118585	Green 0.109" 11809807	63-95	1.69	1.85	2.00	2.15	2.28	2.45	2.57	2.70	A85201C220	A85203C220
			36	38	38	38	39	39	39	39		
	Tan 0.117" 11809830	64-97	1.97	2.17	2.35	2.53	2.67	2.81	2.95	3.09	A85201C223	A85203C223
			36	38	39	40	41	41	41	42		
	Red 0.125" 11809808	67-100	2.24	2.50	2.70	2.89	3.07	3.20	3.36	3.52	A85201C220	A85203C220
36			39	40	41	41	43	43	44			
Black 0.133" 11809829	74-120	2.52	2.81	3.03	3.25	3.45	3.60	3.75	3.88	A85201C222	A85203C222	
		38	41	42	42	43	44	44	44			
Silver 0.143" 11809809	72-102	2.93	3.27	3.53	3.78	4.02	-	-	-	A85201C220	A85203C220	
		39	40	43	44	45	-	-	-			



Sprinklers

50-23 Brass 1/2" Impact



Used on all types of solid set systems-permanent or portable, center pivots, other agricultural fields or landscape applications where reliability is essential. For long term use on row crop and nursery irrigation systems. 23 deg trajectory standard.



Full Circle



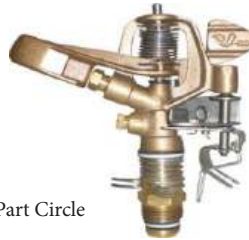
Part Circle

PSI @ Nozzle	PART NUMBER w/ nozzle							
	50-23-0332 3/32"		50-23-0764 7/64"		50-23-0108 1/8"		50-23-0964 9/64"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
30	34	1.27	34	1.90	35	2.38	35	3.12
35	36	1.37	36	2.04	36	2.51	37	3.47
40	37	1.48	37	2.25	38	2.72	38	3.73
45	37	1.56	38	2.38	39	2.78	39	4.02
50	38	1.67	39	2.43	39	3.07	40	4.13
55	39	1.72	39	2.59	40	3.20	40	4.23
60	39	1.80	40	2.78	40	3.33	41	4.29
65	40	1.88	40	2.86	41	3.47	41	4.50

75-27 Brass 3/4" Impact



Full Circle



Part Circle

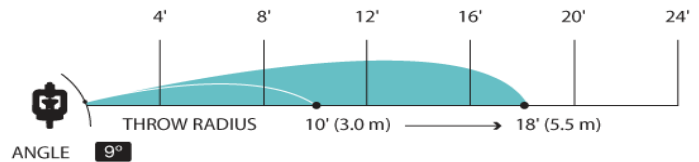
PSI @ Nozzle	PART NUMBER w/ nozzle							
	75-27-0964 9/64"		75-27-0532 5/32"		75-27-1164 11/64"		75-27-0316 3/16"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
35	43	3.45	44	4.20	46	5.16	48	6.08
40	43	3.62	44	4.55	47	5.48	48	6.45
45	44	3.88	45	4.72	48	5.76	49	6.87
50	45	4.16	46	5.05	48	6.13	50	7.25
55	45	4.25	47	5.26	49	6.33	51	7.66
60	46	4.45	48	5.55	50	6.65	52	7.94
65	47	4.66	49	5.80	51	6.95	53	8.22
70	48	4.82	50	5.95	52	7.24	54	8.54



The New Nelson **R7** Rotator and **S7** Spinner are the micro sprinkler for Full Coverage Irrigation. Both have higher uniformity, greater distance of throw, and provides better infiltration than comparable micro sprays. The module design allows quick and easy nozzle exchange - and the Quick Clean (QC) technology reduces irrigator hours - simply turn, flush and reconnect. The Flow control nozzle option is fully flow regulating at 15psi. Low pressure options and a wide range of nozzles and accessories make this a great choice for any micro irrigation system.



- Unique quick-connect, quick-clean feature
- Uniform distribution
- Greater Throw Radius
- Crop Cooling
- Under Tree Frost Protection
- Flow Range from 8.5 to 75 GPH



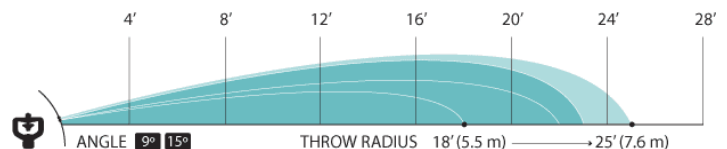
The are too many Nozzle size and Plate design options to list them all...Please contact us for a custom design



The R10 Rotator fills the need for small, low-volume sprinklers that perform reliably in the midrange between a micro and regular size sprinkler. Applications include Under-Tree Irrigation, permanent and portable overhead Irrigation, crop cooling, and enviromental control in tree, vine, small fruit and nursery crops. The unique Flow control nozzle option regulates flow from from 25-50 psi.



- Uniform distribution
- Greater Throw Radius
- Crop Cooling
- Flow Range from .3 to 1.1 GPM



The are too many Nozzle size and Plate design options to list them all...Please contact us for a custom design

R33/R33LP Rotator®



The R33 Rotator® from Nelson Irrigation is an innovation that saves money, saves time and performs better than the 3/4" brass impact sprinklers it's designed to obsolete.

Features:

- High Uniformity
- Easy to Clean
- Long Wear Life
- No Riser Vibration
- Easy to Repair
- No Seals Under Pressure

Plate	Nozzle		R33LP		Pressure (psi)						R33		
			25	30	35	40	45	50	55	60	65		
Gold 18	9/64"	GPM	2.88	3.15	3.40	3.64	6.86	4.07	4.27	4.46	4.65		
		RAD(ft.)	37	38	40	42 43	42 44	42 44	44	44	44	44	
Brown 20	5/32"	GPM	3.52	3.85	4.16	4.45	4.72	5.00	5.22	5.45	5.68		
		RAD(ft.)	38	40	42	43 45	43 45	44 45	46	47	46	46	
Gray 22	11/64"	GPM	4.24	4.64	5.02	5.37	5.70	6.01	6.30	6.57	6.83		
		RAD(ft.)	39	41	44	44 46	44 47	44 47	47	48	48		
Green 24	3/16"	GPM	5.00	5.50	5.96	6.38	6.78	7.16	7.52	7.85	8.18		
		RAD(ft.)	41	43	45	46 49	46 49	46 50	50	50	50	50	
Maroon 26	13/64"	GPM	5.90	6.50	7.05	7.55	8.00	8.45	-	-	-		
		RAD(ft.)	43	45	46	47 -	47 -	47 -	-	-	-	-	

ACV200 Air Vent



The Nelson ACV200 air control valve is outstanding for controlling air in irrigation systems. One of the least understood problems with irrigation pipe systems is invisible air trapped in the pipe. The result of trapped air can be reduced pipe flow efficiency, reduced pump performance, and violent pressure surges when the air column moves within the pipe.

The ACV200 provides all three types of air control protection in one valve:

- Air Relief
- Vacuum Air Relief
- Continuous Air Release Under Pressure

Part Number	Description
ACV200P	2" MIPT - Plastic Base
ACV200B	2" MIPT - Brass Base

800 Series Control Valves



As a hydraulically operated sleeve type valve, the 800 Series is designed for versatility. The basic body can be equipped with several different control packages in various combinations for controlling pressure and flow in large piping systems. It's also engineered for extremely high efficiency, resulting in low friction loss and high capacity. It's light weight and compact for ease of shipping, handling and service. Options include: basic control, manual control, automatic control, pressure control, rate-of-flow control, combination, and special purposes.

TO ORDER 800 SERIES CONTROL VALVES PLEASE CALL US WITH YOUR SPECIFIC CONTROL NEEDS



1000 Series Control Valves

This valve has become the standard by which all control valves are measured. There simply isn't any other valve with better hydraulic performance from the smooth open/close, to the ultra-accurate pressure control pilot and high flow capacity. The most common application is for zone control for sprinkler or drip irrigation. The valve also fits perfectly under a Big Gun for solid set or for pivot end gun. It provides ultimate flexibility in style and connection option while simplifying installation, troubleshooting, and maintenance.

Features:

- 2", 3", and 4"
- Inline, Tee, Elbow, Big Gun
- Wafer, Threaded, Victaulic
- High Flows with low friction losses
- Pressures 10-40psi, 18-80psi, 30-150psi



On/Off, Manual or Automatic,
Pressure Reducing or Sustaining



Certa-Set Tees and Elbows



Solid Set or End of Pivot Valve

TWIG-V® Wireless Automation Controls

Remotely control your irrigation system from anywhere with the TWIG-V® Mobile app and Reliable TWIG-V® Wireless products. The purpose of the Wireless Control System is to turn irrigation valves on and off, simply and reliably. Period. It eliminates troublesome wires, complicated controls, and impractical features that cause other automation systems to be abandoned. The newest generation basically consists of a "master controller", the TWIG-V-MC, that communicates via 900 MHz radio signal with TWIG devices (nodes, or RTUs) that are installed in the field next to solenoid-operated irrigation valves. The TWIG-MC is programmed and operated using a mobile app (iOS or Android), and is controlled via Bluetooth® or internet connection.



TWIG-V® Wireless Automation



TWIG-V®-MC "Master Control"



TWIG-V® & TWIG-V® Hub



TWIG-V® Solar Kit

Nelson Irrigation sets the standard for quality and innovation

Nelson Big Guns®

Nelson Big Guns® are recognized the world over as the leader in quality, performance and technical support. They are engineered and precision manufactured for heavy-duty reliability and long wear life. Every Nelson Big Gun® is subjected to individual water testing before leaving the factory.



75 Series Big Gun®

Part Number	Description
SR75-24	Part Circle Gun - Slow Reverse
F75-24	Full Circle Gun
75TR	Taper Ring Nozzle - Specify Size
10207	Nozzle Cap Only

75 Series - Taper Ring Nozzle - 24° Trajectory																		
PSI	0.4"		0.45"		0.5"		0.55"		0.6"		0.65"		0.7"		0.75"		0.8"	
	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.
40	27	149'	35	160'	43	171'	53	180'	63	190'	74	198'	87	204'	98	213'	112	221'
45	29	155'	37	167'	46	180'	56	189'	67	198'	79	206'	91	214'	104	223'	118	230'
50	30	161'	39	174'	48	186'	59	195'	70	203'	83	212'	95	220'	109	230'	123	237'
55	32	165'	41	179'	50	193'	62	203'	74	213'	87	221'	100	230'	115	239'	130	247'
60	33	169'	42	184'	53	198'	64	208'	77	220'	91	228'	104	237'	120	245'	136	254'
65	35	172'	44	189'	55	205'	67	216'	80	227'	95	237'	109	247'	125	254'	142	263'
70	36	175'	45	194'	57	210'	69	221'	83	232'	98	243'	113	254'	129	260'	147	270'
75	37	179'	47	201'	59	217'	72	228'	86	239'	101	250'	117	261'	134	268'	153	277'
80	39	182'	49	207'	61	222'	74	234'	89	244'	105	256'	121	266'	138	274'	158	283'

100 Series Big Gun®

Part #	Description
SR100-24	Part Circle Gun - Slow Reverse
F100-24	Full Circle Gun
100T	Taper Bore Nozzle - Specify Size
100R	Ring Nozzle Set-Cap, Body, 7 Rings
R100	Individual Rings Only
100TR	Taper Ring Set-Cap, Body, 1 Ring

100 Series - Taper Bore Nozzle - 24° Trajectory																				
PSI	0.5"		0.55"		0.6"		0.65"		0.7"		0.75"		0.8"		0.85"		0.9"		1.0"	
	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.
40	47	191'	57	202'	66	213'	78	222'	91	230'	103	240'	118	250'	134	256'	152	262'	-	-
50	50	205'	64	215'	74	225'	87	235'	100	245'	115	256'	130	265'	150	273'	165	280'	204	300'
60	55	215'	69	227'	81	240'	96	250'	110	260'	126	270'	143	280'	164	288'	182	295'	224	316'
70	60	225'	75	238'	88	250'	103	263'	120	275'	136	283'	155	295'	177	302'	197	310'	243	338'
80	64	235'	79	248'	94	260'	110	273'	128	285'	146	295'	165	305'	189	314'	210	325'	258	354'
90	68	245'	83	258'	100	270'	117	283'	135	295'	155	306'	175	315'	201	326'	223	335'	274	362'
100	72	255'	87	268'	106	280'	123	293'	143	305'	163	316'	185	325'	212	336'	235	345'	289	372'
110	76	265'	92	278'	111	290'	129	303'	150	315'	171	324'	195	335'	222	344'	247	355'	304	380'

150 Series Big Gun®

Part #	Description
SR150-24	Part Circle Gun - Slow Reverse
F150-24	Full Circle Gun
150T	Taper Bore Nozzle - Specify Size
150R	Ring Nozzle Set-Cap, Body, 7 Rings
R150	Individual Rings Only
150TR	Taper Ring Set-Cap, Body, 1 Ring

150 Series - Taper Bore Nozzle - 24° Trajectory																	
PSI	0.7"		0.8"		0.9"		1.0"		1.1"		1.2"		1.3"		1.4"		
	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	
50	100	250'	130	270'	165	290'	205	310'	255	330'	300	345'	350	360'	408	373'	
60	110	265'	143	285'	182	305'	225	325'	275	345'	330	365'	385	380'	446	396'	
70	120	280'	155	300'	197	320'	245	340'	295	360'	355	380'	415	395'	483	412'	
80	128	290'	165	310'	210	335'	260	355'	315	375'	380	395'	445	410'	516	427'	
90	135	300'	175	320'	223	345'	275	365'	335	390'	405	410'	475	425'	547	442'	
100	143	310'	185	330'	235	355'	290	375'	355	400'	425	420'	500	440'	577	458'	
110	150	320'	195	340'	247	365'	305	385'	370	410'	445	430'	525	450'	605	471'	
120	157	330'	204	350'	258	375'	320	395'	385	420'	465	440'	545	460'	632	481'	

200 Series Big Gun®

Part #	Description
SR200-27	Part Circle Gun - Slow Reverse
F200-27	Full Circle Gun
200T	Taper Bore Nozzle - Specify Size
200R	Ring Nozzle Set-Cap, Body, 7 Rings
R200	Individual Rings Only

200 Series - Taper Bore Nozzle - 27° Trajectory																		
PSI	1.05"		1.1"		1.2"		1.3"		1.4"		1.5"		1.6"		1.75"		1.9"	
	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.
60	250	345'	285	355'	330	375'	385	390'	445	410'	515	430'	585	445'	695	470'	825	495'
70	270	360'	310	380'	355	395'	415	410'	480	430'	555	450'	630	465'	755	495'	890	515'
80	290	375'	330	395'	380	410'	445	430'	515	450'	590	470'	675	485'	805	515'	950	535'
90	310	390'	350	410'	405	425'	475	445'	545	465'	625	485'	715	505'	855	535'	1005	555'
100	325	400'	370	420'	425	440'	500	460'	575	480'	660	500'	755	520'	900	550'	1060	575'
110	340	410'	390	430'	445	450'	525	470'	605	495'	695	515'	790	535'	945	565'	1110	590'
120	355	420'	405	440'	465	460'	545	480'	630	505'	725	530'	825	550'	985	580'	1160	605'
130	370	425'	425	445'	485	465'	565	485'	655	515'	755	540'	860	560'	1025	590'	1210	620'

Komet Irrigation Guns



Twin® high volume guns are the result of decades of research, development and innovation in irrigation products to enhance water distribution and uniformity. The unique operational advantages, combined with high quality manufacturing standards make the Twin® one of the best high volume guns on the market.



Features:

- Excellent performance
- Versatile in its application
- Self-Adjusting brake force
- Easy to use
- Slow reverse operation
- Heavy-Duty construction
- Maintenance free
- Models also available in 12, 18, 21, and Vari-Angle Trajectory

Twin Max - Taper Bore Nozzle - 24° Trajectory

PSI	0.39"		0.43"		0.47"		0.51"		0.55"		0.59"		0.63"		0.67"		0.71"		0.79"		0.87"		0.94"	
	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.
40	28	165'	34	174'	40	183'	47	190'	55	197'	63	204'	72	211'	81	218'	91	224'	112	237'	136	242'	162	246'
45	30	175'	36	184'	43	194'	50	201'	58	207'	67	214'	76	221'	86	229'	97	236'	119	251'	144	257'	172	263'
50	31	184'	38	194'	45	204'	53	211'	62	218'	71	225'	80	232'	91	240'	102	248'	126	264'	152	272'	181	280'
55	33	191'	40	201'	47	210'	56	217'	65	225'	74	232'	84	239'	95	247'	107	255'	132	272'	159	282'	190	292'
60	34	198'	42	207'	50	217'	58	224'	67	232'	77	239'	88	246'	99	255'	111	263'	138	281'	166	292'	198	303'
65	36	202'	43	212'	52	221'	61	229'	70	236'	81	244'	92	252'	103	260'	116	269'	143	286'	173	298'	206	311'
70	37	207'	45	216'	54	225'	63	233'	73	241'	84	249'	95	257'	107	266'	120	275'	149	292'	180	305'	214	318'
80	40	216'	48	225'	57	233'	67	242'	78	251'	89	260'	102	269'	115	277'	129	286'	159	304'	192	318'	229	333'
90	42	225'	51	233'	61	241'	71	251'	83	261'	95	270'	108	280'	122	288'	137	297'	169	315'	204	330'	243	346'
100	44	231'	54	240'	64	248'	75	258'	87	268'	100	278'	114	288'	128	296'	144	305'	178	323'	215	340'	256	357'
110	47	235'	56	245'	67	255'	79	265'	91	274'	105	284'	119	293'	135	303'	151	312'	186	330'	225	348'	268	366'

Twin 101 Ultra - Taper Bore Nozzle - 24° Trajectory

PSI	0.47"		0.55"		0.63"		0.71"		0.79"		0.87"		0.94"	
	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.
30	35	161'	48	176'	62	192'	78	195'	97	198'	117	201'	139	203'
40	40	185'	55	200'	71	214'	90	227'	112	240'	135	244'	161	249'
50	45	205'	62	219'	80	233'	101	249'	125	266'	151	274'	180	282'
60	50	218'	67	233'	87	247'	111	265'	137	282'	165	293'	197	304'
70	54	226'	73	242'	94	258'	119	276'	148	294'	178	307'	212	320'
80	57	235'	78	252'	101	270'	128	288'	158	305'	191	320'	227	334'
90	61	243'	83	262'	107	281'	135	299'	168	316'	202	332'	241	348'
100	64	250'	87	269'	113	289'	143	307'	177	325'	213	342'	254	359'
110	67	256'	91	276'	118	295'	150	313'	186	332'	224	350'	266	368'

Twin 140 Ultra - Taper Bore Nozzle - 24° Trajectory

PSI	0.63"		0.71"		0.79"		0.87"		0.94"		1.02"		1.10"		1.18"	
	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.
30	62	192'	78	196'	97	199'	118	202'	139	204'	164	207'	189	209'	217	211'
40	71	215'	90	228'	112	241'	135	246'	161	250'	190	256'	219	261'	251	266'
50	80	234'	101	251'	125	267'	151	275'	180	284'	212	294'	245	304'	281	311'
60	87	248'	111	266'	137	283'	165	295'	197	306'	232	319'	268	333'	308	343'
70	94	260'	119	277'	148	295'	178	308'	212	321'	251	337'	289	353'	332	367'
80	101	271'	128	289'	158	307'	191	321'	227	336'	268	354'	309	372'	355	387'
90	107	282'	135	300'	168	318'	204	334'	241	350'	284	369'	328	387'	377	403'
100	113	290'	143	308'	177	326'	213	343'	254	360'	300	379'	346	398'	397	404'
110	118	296'	150	315'	186	334'	224	352'	266	369'	314	388'	363	406'	416	423'

Twin 160 Ultra - Taper Bore Nozzle - 24° Trajectory

PSI	0.71"		0.79"		0.91"		0.98"		1.06"		1.18"		1.26"		1.38"	
	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.
40	92	227'	113	240'	150	246'	176	251'	206	257'	255	264'	292	268'	347	272'
50	102	256'	127	273'	168	286'	197	295'	230	306'	285	318'	326	325'	388	335'
60	112	275'	139	293'	184	310'	216	323'	252	337'	312	355'	357	366'	425	381'
70	121	285'	150	303'	199	324'	233	339'	273	355'	337	377'	386	391'	459	411'
80	130	294'	160	312'	212	334'	249	351'	291	369'	360	393'	412	409'	491	431'
90	137	303'	170	321'	225	345'	264	362'	309	383'	382	407'	437	423'	521	448'
100	145	311'	179	330'	237	355'	278	373'	326	392'	403	418'	461	434'	549	462'
110	152	319'	188	338'	249	365'	292	384'	342	402'	423	428'	484	445'	576	475'
120	159	326'	196	346'	260	374'	305	393'	357	411'	441	437'	505	453'	602	485'

Twin 202 Ultra - Taper Bore Nozzle - 24° Trajectory

PSI	0.91"		0.94"		0.98"		1.06"		1.18"		1.26"		1.38"		1.46"		1.57"	
	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.	gpm	dia.
40	150	250'	163	252'	176	255'	206	268'	255	267'	292	271'	347	276'	387	279'	450	283'
50	168	290'	182	294'	197	299'	230	317'	285	322'	326	330'	388	340'	433	346'	503	354'
60	184	313'	199	319'	216	326'	252	350'	312	358'	357	369'	425	384'	474	395'	551	407'
70	199	325'	215	332'	233	340'	273	357'	337	379'	386	393'	459	413'	512	426'	595	443'
80	212	336'	230	343'	249	352'	291	370'	360	395'	412	411'	491	433'	548	449'	636	468'
90	225	347'	244	355'	264	364'	309	383'	382	409'	437	425'	521	450'	581	467'	675	489'
100	237	357'	257	366'	278	375'	326	394'	403	420'	461	437'	549	465'	612	484'	711	508'
110	249	368'	270	377'	292	386'	342	405'	423	431'	484	448'	576	478'	642	499'	746	524'
120	260	379'	281	388'	305	397'	357	416'	441	442'	505	459'	602	490'	671	511'	779	538'



616-396-1956
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Irrigation Systems

The choice is simple.

T-L's mission is to provide irrigation systems that incorporate simplicity, efficiency, exceptional performance and longevity. Our hydrostatic drives use the same hydraulic components growers are familiar with in other farming equipment, thus not requiring specialists to maintain.

T-L Systems all feature continuous movement hydrostatic drive!



Hydrostatically powered, T-L systems are designed to deliver continuous movement. Gearbox wear is drastically reduced due to the absence of electrically driven system's stop-start operation. In addition, water and chemicals are evenly distributed over the crop. T-L systems deliver the best, most consistent water pattern available.

T-L systems maintain alignment through the use of a simple hydraulic spool valve. The alignment system moves the spool valve, metering the required hydraulic fluid flow for each tower maintaining continuous movement and alignment with the end tower. This simple hydrostatic control is vastly superior to the start-stop microswitch design used with single-speed electric motor drives.



Quick Tow Systems



Hydraulic Tower Jack

Towable center pivot or linear move irrigation systems must be able to move quickly and easily from location to location when irrigation timing is critical. T-L's Quick-Tow Irrigation System's mobile design mounts the power source, hydraulic pump, and fuel tank on the pivot point enabling towing preparation to a minimum. Rotating the wheels for towing can be a difficult task in a muddy field on a hot day. T-L's exclusive scissor jack design utilizes the availability of hydraulics to lift the towers enabling tire rotation in minutes. While others are struggling, you will be on your way to the new location irrigating more acres more efficiently.



Corner Systems



Linear Systems





Monitor All your pivots & travelers from a Mobile phone or Tablet

Pivot Monitoring and Controls



Nano-Solar or Nano Basic

The FieldWise Nano is a first in class product line that incorporates a modular design focused on using a “core” board for an entry level monitor, which virtually anyone can install. As your operational needs grow, simply expand the Nano by adding a relay board to take full control of most systems. When you’re ready, add the in-field communication kit to get advanced control and experience the most intelligent telemetry product on the market – at a fraction of the cost of less robust market solutions. Additionally, the Nano is small, compact, and user-friendly. The Nano is the only telemetry technology on the market that is designed to meet the consumers’ needs and actually delivers on the promise of being compatible with every type of pivot. The Nano breaks that pattern by being versatile allowing you to use the same equipment for multiple applications.

NEW Traveling Big Gun Monitoring



T-L Basic controller



Nano Solor Installed



TBG Monitor

Also Monitor your Vehicle Fleet, Bin Fans, and Pumps



Fleet Tracking



Bin Fan Monitor



Pump/Flow Monitor

Call us to help you with your Remote Irrigation Monitoring and Control needs.

Kifco Water-Reels are designed to make portable irrigation very easy. These machines are simple to operate and provide efficient irrigation over a wide variety of applications. Kifco Water-Reels are a versatile solution to your sports field, horse arena, cemetery, park, pasture, garden or residential irrigation needs. B-Series travelers come in a wide variety of lengths and tube diameters and can irrigate an area as small as an indoor horse arena or as large as a 30 acre pasture.

Standard Features:

- Automatic shutdown when sprinkler cart arrives
- Selective automatic shutdown for the sprinkler
- Part-circle sprinkler matched to unit performance
- Stabilizer legs for anchoring machine during operation
- Pressure gauge for reading inlet pressure
- Hose guide automatically wraps tube properly on the reel
- Water Motor with few moving parts to insure low maintenance and simple operation
- Filter to insure clean water enters the drive motor
- Speed control to regulate run time and water application depth
- PTO rewind on turbine models
- Speed read out on turbine models
- Safety shut-off if tube mis-wraps
- Transport attachment for the sprinkler cart



Drive Systems:

B-Series models retract using a highly efficient water-powered turbine (T Models), simple bellows drive (B Models), gas-powered engine drive, or an electric motor (E Models) depending on your particular needs. Kifco is the first and only manufacturer to provide a machine specifically designed to cool, rinse and condition synthetic turf fields before or during a game.

Pull Water-Reel Into Position



Kifco Water-Reels® Are Easy To Operate

Attach Water Source



Pull Out Sprinkler Cart



Turn on Water and Operate Unattended



Model	Tube ID/Length	Irrigated Width	Irrigated Length	Acres Per Pull	Drive System	GPM Range	Inlet PSI Range	Booster Options
E110	1.1" x 280'	58-110'	309-335'	0.4-0.9	Electric Motor	3-26	23-100	1 HP Electric
B110	1.1" x 280'	78-110'	319-335'	0.6-0.9	Bellows	10-26	51-100	1 HP Electric
B140G*	1.4" x 350'	120-160'	410-440'	1.2-2.0	Bellows	25-60	50-117	5 HP/9 HP
T180*	1.8" x 380'	125-180'	449-478'	1.1-2.5	Turbine*	25-102	50-150	5 HP/9 HP
T200S*	2.0" x 320'	148-218'	394-435'	1.1-2.4	Turbine*	25-143	50-150	5 HP/9 HP
E200SST**	2.0" x 320'	121-198'	380-419'	-	Engine	52-168	50-150	5 HP/9 HP
T200L*	2.0" x 580'	138-191'	649-676'	2.3-3.2	Turbine*	47-115	55-140	5 HP/9 HP
T200LSC***	2.0" x 580'	138-191'	649-676'	2.3-3.2	Turbine*	47-115	-	23 HP
T210*	2.1" x 400'	154-218'	469-511'	1.6-2.8	Turbine*	47-140	55-140	5 HP/9 HP
T230*	2.3" x 720'	142-229'	791-834'	2.6-4.4	Turbine*	51-147	54-142	9 HP

* These Models also available in electric drive
 ** The E200SST is specifically designed to cool, rinse, and condition synthetic turf in as little as 25 minutes
 *** The T200LSC is a self-contained irrigation and primary pump system for use with open water sources
 All irrigated widths and lengths are based on 80% of actual wetted dimensions and may vary due to wind conditions and sprinkler specifications.



Ag-Rain Water-Reels®

Ag-Rain manufactures a complete line of traveling irrigation machines to fit many different needs. Engine driven machines are available for applications where water quality does not permit the use of a turbine. Ag-Rain Water-Reels® are specifically designed to provide a fast, economical way to spread water or liquid waste. They are simple to operate, require minimal labor and are easy to adjust to the required depth of application.

Standard Features:

- Automatic Shutdown
- Heavy-Duty Chassis
- Retraction Speed Indicator
- Pressure Gauge
- Infinitely Adjustable Speed Range
- Speed Compensator
- Miswrap Safety Stop
- PTO Rewind
- Adjustable Gun Cart
- Automatic Hose Guide
- Ball Bearing Turntable
- Slow Reverse Gun
- Gun Cart Lift
- Stabilizer legs



Advantages & Benefits:

Ag-Rain machines are quick and easy to set up and operate unattended. They can apply water or liquid waste with superior uniformity as compared to a stationary gun system. Depending on the machine size, they can spray swaths exceeding a 1/4 mile in length, covering 10 acres in a single pull. Slurry-Reels® almost totally eliminate the soil compaction problems associated with tank wagons. They are very portable and can easily be towed from one location to another.



Model	Tube ID/Length	Irrigated Width	Irrigated Length	Acres Per Pull	Drive System	GPM Range	Inlet PSI Range	Booster Options
T25/750	2.5" x 750'	154-207'	831-857'	2.9-4.1	Turbine*	74-177	72-141	9 HP
T27/980	2.7" x 980'	154-203'	1057-1082'	3.7-5.0	Turbine*	74-152	71-126	9/18/23 HP
T30/660	3.0" x 660'	186-253'	753-787'	3.2-4.6	Turbine*	125-330	72-140	9/18/23 HP
T30/980	3.0" x 980'	172-243'	1066-1101'	4.2-6.2	Turbine*	100-275	71-144	18/23 HP
T30/1200	3.0" x 1200'	186-232'	1293-1316'	5.5-7.0	Turbine*	125-240	81-150	18/23 HP
T33/1120	3.3" x 1120'	200-252'	1220-1247'	5.6-7.3	Turbine*	165-330	81-144	18/23 HP
T37/1080	3.7" x 1080'	200-266'	1180-1213'	5.4-7.4	Turbine*	165-415	71-143	18/23 HP
T37/1220	3.7" x 1220'	210-266'	1325-1353'	6.4-8.3	Turbine*	205-415	79-151	N/A
T40/1250	4.0" x 1250'	228-305'	1364-1404'	7.1-9.9	Turbine*	230-535	77-164	N/A
T40/1320	4.0" x 1320'	228-298'	1343-1469'	7.5-10.0	Turbine*	230-480	78-150	N/A
T45/1150	4.5" x 1150'	233-321'	1267-1310'	6.8-9.7	Turbine*	277-695	73-148	N/A
T41/1476	4.1" x 1476'	228-299'	1590-1625'	8.3-11.2	Turbine*	230-539	77-154	N/A
T45/1250	4.5" x 1250'	233-321'	1367-1410'	7.3-10.4	Turbine*	233-695	74-153	N/A

* These Models also available in engine drive

All irrigated widths and lengths are based on 70% of actual wetted dimensions and may vary due to wind conditions and sprinkler specifications. System inlet pressures shown above are for turbine drives, engine drives will be approximately 10 psi lower.

Mini Travellers



Cadman Mini-Travelers are ideal for sports fields, small farm operations, estate lots, cemeteries, golf courses, and even dust suppression in arenas. Because of the compact size, Cadman Mini-Travelers are easy to maneuver, easy to set up and easy to use.

Features & Benefits

- Powered by Electric Battery or Solar Power Option
- Automatic gun cart stop and sprinkler shut down
- iWater speed compensation control system
- Several sprinkler options for the best coverage
- Optional Booster pumps for low water pressure

Cadman is pleased to present its line of Mini travelers for irrigation. Keeping the needs of the customer at heart, Cadman has used the latest technology in the traveler design and performed long term testing to give you the best quality machine available today.

Our motto is: Strength... Simplicity... Dependability... These qualities can readily be seen in all of our Travellers. The strong frame, the simple to use drive system, and the dependability you get from all Cadman products.



Model #	Hose ID & Length	G.P.M.	Lane Spacing
1100	1.1" x 250'	3 - 32	70' - 112'
1250	1.25" x 230'	8 - 45	86' - 136'
1500	1.5" x 350'	25 - 80	118' - 195'
1800	1.8" x 480'	25 - 102	118' - 224'
2000S	2.0" x 350'	25 - 150	118' - 247'

Please contact us to help you select the correct Traveller

Nutrient Management

Cadman has a complete line of Manure Management equipment from the pit or holding tank all the way out to the field. Cadman is the leader in manufacturing of Solids Handling Pumping Units, Hard Hose Drag Reels, Drag Hoses, Hose Caddies, and the brand new Continuous Manure Applicator (CMA). Contact us for more details or to have a custom designed Nutrient Management system for your farm or operation.



Hose Drag Reel & 3-Nozzle Boom Applicator



Drag Hose Caddies



NEW Continuous Manure Applicator

Hardhose Travellers



Cadman began manufacturing irrigation travellers specifically for the agricultural sector in the early 1980's. These travellers provided farmers with a simple method to deliver water to their crops - much easier and quicker than they could before. Through product demand and company innovation, Cadman has refined their irrigation line with hose lengths ranging from 250' to 2,250'. Cadman travellers are designed to utilize engine drive. This provides for maximum water efficiency by eliminating the pressure loss seen with turbine drives. With over 30 standard models available we can fit the perfect machine to your application.

Features & Benefits

- Honda OHV Gas Engine Drive for simplicity and durability
- Slewing ring turntable
- High Floatation Tires
- Automatic Gun cart stop
- Mechanical Speed Compensation
- Hose build up safety switch
- Nelson or Komet Sprinkler option is your choice
- 42" or 62" crop clearance cart

Please contact us to help you select the correct Traveller



Model #	Hose ID & Length	G.P.M.	Acres per pull
3000 WB	3.0" x 1075'	160-270	6.8 - 7.1
3000XL WB	3.0" x 1390'	160-235	8.3 - 9.0
3250 WB	3.25" x 975'	200-350	6.5 - 7.0
3250XL WB	3.25" x 1250'	200-310	7.9 - 8.6
3500 WB	3.5" x 925'	270-440	6.7 - 7.3
3500XL WB	3.5" x 1150'	270-390	7.8 - 8.7
3750XL WB	3.75" x 1320'	300-400	9.6 - 10.4
4000 S WB	4.09" x 1250'	300-450	9.8 - 10.5
4500 S WB	4.5" x 1175'	400-600	9.9 - 10.3
3300XL-B	3.3" x 2350'	200-300	15.0 - 16.0
3600XL-B	3.6" x 2250'	250-350	15.0 - 16.0
4000XL WB	4.0" x 1550'	290-375	10.6 - 11.4
4000XL WB	4.0" x 1850'	280-360	13.4 - 14.4
4500 WB	4.5" x 1320'	400-550	10.8 - 11.4

Cadman Irrigation Booms



Please contact us to help you select the correct Boom

Benefits & Features:

- Very uniform water application
- Controlled droplet size reduces soil damage and compaction
- Customized sprinkler package for large or small droplet size
- Low pressure operation (30# to 60#) reduces pumping costs
- Booms are from steel and fully galvanized for long life span
- Can be folded by 1 person in a few minutes for transport

Model #	Axle Frame	Boom Width	Lane Spacing	G.P.M.
CB30	3 Wheel	95'	95' - 157'	61-216
CB40	3 Wheel	131'	131' - 225'	66 - 243
CB32	4 Wheel	95'	95' - 157'	61- 216
CB42	4 Wheel	131'	131' - 225'	66 - 243
CD64	4 Wheel	210'	210' - 300'	96 - 400

Drip Tape

Toro FlowControl® Drip Tape



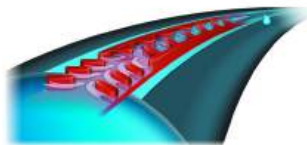
FlowControl drip tape is the latest advancement in precision drip irrigation and is the only flow-regulating drip tape available. This gives you uniform output regardless of moderate elevation changes. The innovative emitter design provides you with the flexibility to increase or decrease flow while maintaining a uniform output across changing elevations.

- High Uniformity on longer runs and hilly terrain.
- Retain flexibility to increase or decrease application rate for greater control over watering and scheduling decisions.
- Available in a wider range of thicknesses to meet the needs of all farming applications.
- Emitter spacing from 6-24 inches

Part Number	Diameter	Thickness	Spacing	Roll Length	Flow Rate/100ft.
EAFC5080850-750	5/8"	8 mil	8"	7,500 ft.	0.50 gpm
EAFC5081234-750	5/8"	8 mil	12"	7,500 ft.	0.34 gpm
EAFC5081245-750	5/8"	8 mil	12"	7,500 ft.	0.45 gpm
EAFC7081234-600	7/8"	8 mil	12"	6,000 ft.	0.34 gpm
EAFC7081245-600	7/8"	8 mil	12"	6,000 ft.	0.45 gpm



Toro Aqua-Traxx® Drip Tape



The premium choice for drip irrigation, Aqua-Traxx with the PBX Advantage offers a Proportionally Balanced Cross-Section (PBX) design that optimizes flowpath turbulence to effectively manage water flow, deliver uniform distribution, and reduce clogging.

- Superior precision, uniformity, durability, and plugging resistance
- Seamless construction provides maximum strength
- Highly resistant to plugging
- Best-In-Class coefficient of variation (Cv's) – below 3%
- Emitter spacing from 4-24 inches

Part Number	Diameter	Thickness	Spacing	Roll Length	Flow Rate/100ft.
EA5080650-750	5/8"	8 mil	6"	7,500 ft.	0.50 gpm
EA5080850-750	5/8"	8 mil	8"	7,500 ft.	0.50 gpm
EA5081222-750	5/8"	8 mil	12"	7,500 ft.	0.22 gpm
EA5081245-750	5/8"	8 mil	12"	7,500 ft.	0.45 gpm
EA7080834-600	7/8"	8 mil	8"	6,000 ft.	0.34 gpm
EA7081234-600	7/8"	8 mil	12"	6,000 ft.	0.34 gpm

Toro Neptune® Flat Emitter Dripline



From seasonal row crops, to more permanent subsurface applications, Neptune's broad product offering fits many grower's needs. The exceptional durability of the tubing materials makes installation and retrieval easier and extends the useful life of Neptune. The molded emitter in the flat emitter dripline resists plugging, offering greater durability even in the most demanding settings. With a wide variety of available flow rates and wall thicknesses, Neptune has the perfect product for your application.

Part Number	Diameter	Thickness	Spacing	Roll Length	GPH @ 8 psi	Flow Rate/100ft.
TW5081225-750	5/8"	8 mil	12"	7,500 ft.	0.25 gph	0.42 gpm
TW5151225-420	5/8"	15 mil	12"	4,200 ft.	0.25 gph	0.42 gpm
TW5152425-420	5/8"	15 mil	24"	4,200 ft.	0.25 gph	0.21 gpm
TW5181225-310	5/8"	18 mil	12"	3,100 ft.	0.25 gph	0.42 gpm
TW5241225-200	5/8"	24 mil	12"	2,000 ft.	0.25 gph	0.42 gpm
TW7081225-520	7/8"	8 mil	12"	5,200 ft.	0.25 gph	0.42 gpm
TW7151225-270	7/8"	15 mil	12"	2,700 ft.	0.25 gph	0.42 gpm
TW7151225-270	7/8"	15 mil	24"	2,700 ft.	0.25 gph	0.21 gpm

- Highly resistant to plugging – Molded emitters stand up to challenging water and organic fertilizers
- Ultra-high strength and durability – Strength and flexibility make for easy installation and removal, saving on time and labor, and significantly reducing chances of damage
- Blue Stripe® of Quality – install Blue Stripe® up to insures proper outlet placement

Tape-Loc® Drip Tape Fittings

5/8" Tape Fittings

Part Number	Description
12030092	Tape-Loc® Tee
12030049	Tape-Loc® 90° Elbow
12030022	Tape-Loc® Coupling
12030076	Tape-Loc® x 1/2" MIPT
12030017	Tape-Loc® x 3/4" MIPT
12030063	Tape-Loc® x Layflat Hose
12030008	Tape-Loc® x 400 Series Barb
12030165	Tape-Loc® Valve x 400 Barb



7/8" Tape Fittings

Part Number	Description
12030146	Tape-Loc® 90° Elbow
12030024	Tape-Loc® Coupling
12030077	Tape-Loc® x 3/4" MIPT
12030065	Tape-Loc® x Layflat Hose
12030015	Tape-Loc® x 700 Series Barb

Stainless Worm Gear Clamps



Part Number	Size
6202	5/8"
6206	7/8"
6712	3/4"
6716	1"
6720	1-1/4"
6724	1-1/2"
6732	2"

Crimp Clamps & Tools



Part Number	Size
KS3210	1/2"
KS3271	3/4"
KS3331	1"
KS3425	1-1/4"
A2000	Short Handle Crimp Tool
A2005	Long Handle Crimp Tool
A2100	Side Jaw Crimp Tool

Supra Clamps



Part Number	Supra Size	Common Use	Size
030-1908-0	31-34	1" Suction	1-7/32" - 1-5/16"
030-1911-9	40-43	1-1/4" Suction	1-9/16" - 1-11/16"
030-1913-5	47-51	1-1/2" Suction	1-7/8" - 2"
030-1915-1	55-59	2" Flat hose	2-5/32" - 2-5/16"
030-1916-0	59-63	2" Suction	2-5/16" - 2-1/2"
030-1920-7	79-85	3" Flat Hose	3-1/8" - 3-11/32"
030-1921-5	85-91	3" Suction	3-11/32" - 3-9/16"
030-1924-0	104-112	4" Flat Hose	4-3/32" - 4-3/8"
030-1925-8	112-121	4" Suction	4-3/8" - 4-3/4"
030-1978-4	150-162	6" Flat Hose	5-7/8" - 6-3/8"
030-1979-2	162-174	6" Suction	6-3/8" - 6-7/8"
030-1982-1	200-213	8" Flat Hose	7-15/16" - 8-7/16"
030-1983-0	213-226	8" Suction	8-7/16" - 9-7/16"

Oval Hose Punch



Part Number	Description
12070065	400 Barb Punch - Standard
12070032	DP-400S punch - Ejector Type
12070033	420 Barb Punch - Standard

400-GRO Grommet for PVC



Part Number	Description
12290031	400-GRO grommet for PVC use 400 Barb - Drill 9/16Hole

Layflat Hose Punch Tool



Part Number	Description
12070054	LFP-1 Punch 14mm Orange
12070055	LFP-LS-1 Punch-19mm Blue

T-Handle Hex for Lay-Flat



Part Number	Description
12070012	Hex Tool for FHC-06-LS
12070013	Hex Tool for FHC-09-LS

Goof Plugs

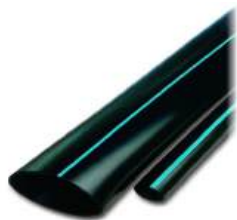


Part Number	Description
12290034	MP-1 for 3/16 & 1/4 holes (10)
12290035	Hole plug for 400 series barb
12030064	Plug for FHC-06-LS

Oval Hose/Layflat & fittings



Agricultural Irrigation



Oval Hose - PE

- Toro Blue Strip Oval Hose is manufactured in the United States from the highest grades of polyethylene resins
- For submains and mainlines in row crop applications or lateral lines for small diameters and on more permanent applications
- Used with Tape-Loc® 400 and 700 barb fittings

Part Number	Size	Coil Length	Max PSI
ELD4040-030	1.5"	300'	21
ELD5251-015	2"	150'	21
ELD5251-045	2"	450'	21
ELD7776-020	3"	200'	21
ELD4084-035	1.5"	350'	42
ELD52108-025	2"	250'	42

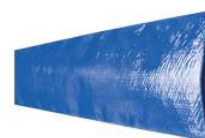
Ironsides Flat Hose

- Medium Duty
- Reinforced w/ 2 Spiral Plies and Longitudinal Synthetic Cords
- Not Intended For Use As Fire Hose
- Great for Drip Mainline



Vinylflow Layflat Hose

- Light Duty
- Polyester Spiral Wrap for Reinforcement
- Great for Drip Irrigation Main and Header



Part Number	ID	Wall Thickness	Max PSI
1-1/2 Ironsides	1.5"	0.0866"	200
2 Ironsides	2"	0.0906"	175
2-1/2 Ironsides	2.5"	0.0945"	150
3 Ironsides	3"	0.0984"	125
4 Ironsides	4"	0.1102"	125
6 Ironsides	6"	0.1181"	100

Part Number	ID	Wall Thickness	Max PSI
1-1/2 Vinylflow	1.67"	0.0669"	80
2 Vinylflow	2.17"	0.0669"	80
3 Vinylflow	3.13"	0.0787"	70
4 Vinylflow	4.13"	0.0827"	70
6 Vinylflow	6.18"	0.0866"	50

Oval Hose and Layflat connections



Spigot Adapter

Part Number	Description
ISP02	2" Spigot Adapter
ISP03	3" Spigot Adapter
ISP04	4" Spigot Adapter
ISP06	6" Spigot Adapter
C02	2" Insert Coupling
C03	3" Insert Coupling
C04	4" Insert Coupling
C06	6" Insert Coupling
T02	2" Insert Tee
T03	3" Insert Tee
T04	4" Insert Tee
T06	6" Insert Tee
L02	2" Insert 90deg Elbow
L03	3" Insert 90deg Elbow
L04	4" Insert 90deg Elbow
L06	6" Insert 90deg Elbow



Coupling



Insert Tee



Insert 90 Elbow

See page 19 and page 84 for clamps

Drip Tubing



Agricultural Irrigation



Toro BlueLine PC Dripline - 1000'roll

.26, .42, .53, & 1.06 gph flow rates
12", 18", 24", 30", 36" & 48" spacing

Part Number	O.D.	Spacing	Flow Per Emitter	Max Run @ 10psi loss
BP62026-12	18mm	12 in	0.26 GPH	550 ft
BP62042-12	18mm	12 in	0.42 GPH	380 ft
BP62042-18	18mm	18 in	0.42 GPH	550 ft
BP62042-24	18mm	24 in	0.42 GPH	690 ft
BP62053-12	18mm	12 in	0.53 GPH	320 ft
BP62053-18	18mm	18 in	0.53 GPH	450 ft
BP62053-24	18mm	24 in	0.53 GPH	570 ft
BP62053-36	18mm	36 in	0.53 GPH	790 ft
BP620106-24	18mm	24 in	1.06 GPH	360 ft
BP71026-12	20mm	12 in	0.26 GPH	780 ft
BP71026-18	20mm	18 in	0.26 GPH	1,050 ft
BP71042-18	20mm	18 in	0.42 GPH	700 ft
BP71042-24	20mm	24 in	0.42 GPH	880 ft
BP71053-18	20mm	18 in	0.53 GPH	580 ft
BP71053-24	20mm	24 in	0.53 GPH	730 ft



We stock many common sizes.
Pre-Installed Clips for Trellis wire is available.
Add "-C" to part# when ordering.

Rainbird PC Ag Dripline- 1000'roll

.31, .42, .53, .61, .93 & 1.06 gph flow rates
12", 18", 24", 30", 36", 48" & 60" spacing



Now Available in White

Optional Pre-Installed Vine Clips

Part Number	O.D.	Spacing	Flow Per Emitter	Max Run @ 10psi loss
H5 18 04 12	18mm	12"	.42 GPH	430'
H5 18 04 18	18mm	18"	.42 GPH	575'
H5 18 04 24	18mm	24"	.42 GPH	670'
H5 18 05 12	18mm	12"	.53 GPH	375'
H5 18 05 18	18mm	18"	.53 GPH	480'
H5 18 05 24	18mm	24"	.53 GPH	575'
H5 20 04 12	20mm	12"	.42 GPH	575'
H5 20 04 18	20mm	18"	.42 GPH	725'
H5 20 04 24	20mm	24"	.42 GPH	860'
H5 20 05 12	20mm	12"	.53 GPH	500'
H5 20 05 18	20mm	18"	.53 GPH	630'
H5 20 05 24	20mm	24"	.53 GPH	750'

JAIN Amnon CNL PC Emitterline- 1000'roll

.29, .42, .53, .61 & 1.06 gph flow rates
12", 18", 24", 30", 36", 42", 48" & 60" spacing



Part Number	O.D.	Spacing	Flow Per Emitter	Max Run @ 10psi loss
AP18-45-29-12-CNL	18mm	12"	.29 GPH	525'
AP18-45-29-18-CNL	18mm	18"	.29 GPH	740'
AP18-45-29-24-CNL	18mm	24"	.29 GPH	925'
AP18-45-42-12-CNL	18mm	12"	.42 GPH	470'
AP18-45-42-18-CNL	18mm	18"	.42 GPH	580'
AP18-45-42-24-CNL	18mm	24"	.42 GPH	740'
AP18-45-53-12-CNL	18mm	12"	.53 GPH	360'
AP18-45-53-18-CNL	18mm	18"	.53 GPH	560'
AP18-45-53-24-CNL	18mm	24"	.53 GPH	750'

"CNL" PC is Pressure Compensated NO LEAK so lines do not drain between cycles.
"AS" is Anti-Siphon and is also available and is great for buried applications.



616-396-1956
info@springbrooksupply.com

Xpando Take-Off Fittings



Part #	Description
45635	16mm TakeOff x 16mm ID Tube
45585	16mm TakeOff x 18mm ID Tube
45675	19mm TakeOff x 21mm ID Tube
45745	16mm Rubber Grommet
45755	19mm Rubber Grommet
44335	#18 Ratchet Clamp - 17-19mm ID
44295	#20 Ratchet Clamp - 19-21mm ID
44315	#22 Ratchet Clamp - 21-23mm ID

Toro Blue Stripe Solid Tubing

Toro Blue Strip Round Hose is manufactured in the United States from the highest grades of polyethylene resins. Also available in white, ideal for nursery and greenhouse systems.

Part Number	Description
EHD1645-050	16mm ID, 18mm OD x 500'
EHD1645-100	16mm ID, 18mm OD x 1,000'
EHD1847-100	18mm ID, 20mm OD x 1,000'
EHD2662-660	26mm ID, 30mm OD x 660'

Power-Loc™ Drip Tube Fitting



16mm - 18mm

Part Number	Description
12050301	Power-Loc™ Tee
12050304	Power-Loc™ 90° Elbow
12050305	Power-Loc™ Coupling
12050308	Power-Loc™ x 1/2" MIPT
12050317	Power-Loc™ x 3/4" MIPT
12050311	Power-Loc™ x 3/4" MHT
12050307	Power-Loc™ x 3/4" FHT Swivel
12050321	Power-Loc™ x 3/4" PVC Slip
12050314	Power-Loc™ Ball Valve
12050312	Power-Loc™ Flush valve
12050315	Power-Loc™ x 3/4" FHT Swivel Tee
12051038	Power-Loc™ x Layflat Adapter
12290115	Figure 8 Jain - up to .84 OD
FJQ16	Figure 8 Toro - up to .80 OD

20mm

Part Number	Description
12050201	Power-Loc™ Tee
12050204	Power-Loc™ 90° Elbow
12050205	Power-Loc™ Coupling
12050209	Power-Loc™ x 1/2" MIPT
12050210	Power-Loc™ x 3/4" MIPT
12050211	Power-Loc™ x 3/4" MHT
12050207	Power-Loc™ x 3/4" FHT Swivel
12050602	Power-Loc™ x 3/4" PVC Slip
12050223	Power-Loc™ Ball Valve
FJQ20	Figure 8 Toro - .80-.92 OD

Step Drill Bit



Part Number	Description
44460	Step Drill Bit - 1/4" to 3/4"
TRI-16MM	Step Drill Bit - 18mm Hole

Trellis clips and H-Curls



Part Number	Description
CLPAG18	18mm clip rings for 14ga wire
CLPAG20	20mm clip rings for 14ga wire
HC16-4.0-1000	H-Curl 4" long x 1,000 pcs
HC16-4.0	H-Curl 4" long x 24,000 pcs

Dripline Tools and Accessories



Part Number	Description
42378	2 in 1 Punch tool-Antelco
42315	Key Punch-Antelco-Yellow
50038	Hole Punch-Blue-Antelco
12501090	1/8" & 1/4" T-Handle Punch
12070032	Hole punch - DP400S - Red
SB 5000	Blazing Poly Cutter-3/4" to 1-1/4"

Steel Ground Staples



Part Number	Description
STAPLES-STEEL-6	6" X 1" Steel Staples
STAPLES-STEEL-8	8" X 1" Steel Staples
STAPLES-STEEL-10	10" X 1" Steel Staples
STAPLES-STEEL-12	12" X 1" Steel Staples

Drip Control Zones & Filters

Control Zone Kit Selection Chart

Filter Type	Pressure Regulation Manual Flush		
			
Model #	XCZ-075-PRF XACZ-075-PRF (Anti-Siphon)	XCZ-LF-100-PRF	XCZ-100-PRF
Valve	Low Flow or Anti-Siphon	Low Flow	DV or Anti-Siphon
Flow Range	0.2 gpm to 5.0 gpm		3.0 gpm to 15.0 gpm
Inlet x Outlet	3/4" FIPT x 3/4" MIPT	1" FIPT x 3/4" MIPT	1" FIPT x 3/4" MIPT
Inlet Pressure	20 to 120 PSI		20 to 120 PSI
Regulating Pressure	30 PSI		40 PSI
Filter	200 Mesh		200 Mesh
Replacement Filter	RBY200SSMX		RBY200SSMX

Features:

- Static RBY filter regulates pressure to a nominal 30 or 40 psi.
- PF RBY Filter Cap has sealing O-ring and unthreads to provide access to the filter element for easy cleaning.
- 30 or 40 psi pressure regulator is integrated into the filter body.

Part Number	Description
XCZ-075-PRF	3/4" Valve, Filter & Regulator
XCZ-100-PRF	1" Valve, Filter & Regulator
XCZ-LF-100-PRF	1" Low Flow Valve, Filter, Reg
PRF-075-RBY	3/4" Filter & Regulator
PRF-100-RBY	1" Filter & Regulator

XF Series Dripline



Features:

- Unique material offers significantly greater flexibility, allowing tighter turns with fewer elbows for easier installation.
- Choice of flow rates, spacing and coil lengths provides design flexibility for a variety of non-turfgrass applications.
- Accepts Rain Bird Easy Fit Compression Fittings, XF Dripline Insert Fittings and 17mm insert fittings.
- Use an Air/Vacuum Relief Valve Kit when installation is below soil.
- The pressure-compensating emitter design provides a consistent flow over the entire lateral length ensuring higher uniformity for increased reliability in the pressure range of 8.5 to 60 psi.
- Dual-layered tubing (brown over black) provides unmatched resistance to chemicals, algae growth and UV damage.

Part Number	Description
XFD-100	100' Blank Tubing
XFD-500	500' Blank Tubing
XFD-06-12-100	100' .6GPH x 12" Spacing
XFD-06-12-250	250' .6GPH x 12" Spacing
XFD-09-12-100	100' .9GPH x 12" Spacing
XFD-09-12-250	250' .9GPH x 12" Spacing
XFS-09-12-500	500' .9GPH X 12" Spacing

XF Fittings



Part Number	Description
XFDCOUP	17mm Coupling
XFDELBOW	17mm Elbow
XFDTEE	17mm Tee
XFDMA050	17mm x 1/2" MIPT
XFDMA075	17mm x 3/4" MIPT
XFDEA075	17mm x 3/4" FPT
XFDCROSS	17mm Cross

Pressure Regulator



Part Number	Description
PSIL30X075	30psi, 3/4"ft, 0.2-5.0 gpm
PSIM30X075	30psi, 3/4"ft, 2.0-10.0 gpm
PSIM40X075	40psi, 3/4"ft, 0.2-5.0 gpm



New!
XFS Subsurface Dripline
With Copper Shield™

Call Spring Brook Supply
For More Details



Xeri-Spray 360



Features:

- True micro-spray with full-circle fan spray pattern.
- Adjust flow/radius by turning outer cap.
- Ideal for mass plantings, ground cover, annual flower beds and containers.
- Three convenient installation connections for design flexibility: 10-32 self-tapping thread, 1/4" barb and 5" spike.
- Easily cleaned by completely unscrewing cap from base unit.

Part Number	Description
XS360TS025	Full Circle Barb
XS360TS1032	Full Circle Threaded
XS360TSSPYK	Full Circle Spike

Xeri-Sprays



Features:

- Adjust flow/radius by turning integral ball valve.
- Uniform emission pattern provides excellent distribution.
- 10-32 self-tapping threads fit into 1/2" x 10-32 adapter (10-32A); 1800 Xeri-Bubbler™ adapter (XBA-1800); and polyflex riser (PFR-12).
- Ideal for ground cover, mass plantings, annual flower beds, and containers.

Part Number	Description
XS90	Quarter Spray
XS180	Half Spray
XS360	Full Circle
XS360ADJMST	Full Circle

Xeri-Bug Emitters



Features:

- Ideal for watering the root zones of plants, trees, and container plants. Xeri-Bugs emit water at rates of 0.5, 1.0 and 2.0 gallons-per-hour (GPH) which allows soils to absorb water more completely into the root zones of plants

Part Number	Description
XB05PC	1/2 GPH Emitter
XB10PC	1 GPH Emitter
XB20PC	2 GPH Emitter

Xeri-Bubblers



Features:

- Adjust flow and radius by turning outer cap.
- Clean by completely unscrewing cap from base unit.
- Three convenient installation connections available for design flexibility: 10-32 self-tapping thread, 1/4" barb, and 5" spike
- Stream and Bubbler Pattern

Part Number	Description
SXB180025	Half Circle Barb
SXB360025	Full Circle Barb
UXB360025	Full Circle Barb
SXB1801032	Half Circle Threaded
SXB3601032	Full Circle Threaded
UXB3601032	Full Circle Threaded
SXB180SPYK	Half Circle Spike
SXB360SPYK	Full Circle Spike
UXB360SPYK	Full Circle Spike

Xeri-Pop Spray



Features:

- The Xeri-Pop micro-spray makes it easy to integrate a durable micro-spray into a low-volume drip irrigation design.
- The only pop-up spray that works in low-volume low-pressure application, and this is the perfect solution to vandal-prone areas.
- Xeri-Pops can be installed and located in nearly any location and are ideal for small, odd-shaped planting beds; the 12" version is perfect for annual flower beds.
- Xeri-Pops work with Rain Bird 5' and 8' MPR nozzles and SQ Series Nozzles — nozzles with square spray patterns and adjustable throws of 2.5' and 4'.

Part Number	Description
XP400X	4" Spray
XP600X	6" Spray
XP1200X	12" Spray

XQ 1/4" Tubing



Features:

- Unique blend of polymers that give it the flexibility of vinyl with hold of poly.
- Fits over barbed outlet ports and all Xerigation emission devices and 1/4" transfer fittings.
- Unique coiling method allows tubing to remain coiled as tubing is extracted.
- Extruded from UV-resistant polyethylene resin materials.
- 60 psi rating exceeds competitor's specifications.

Part Number	Description
XQ100	1/4" x 100'
XQ1000	1/4" x 1000'
XQ1000B	1/4" x 1000' w/Bucket



Spray Stakes



Features:

- Stake designed in a "H" pattern and taller for better stability in most soil medias.
- Multiple flow rates and patterns.
- Made with UV-resistant resins, designed to last and reduce the possibility of tip damage.
- Spray direction indicator
- Built-in shut-off tip
- Designed to work effortlessly for years.
- Uses 187x125 polyethylene tubing
- Down spray and horizontal spray patterns

Part Number	Description
12501250	Black-High Flow-160
12501251	Green-Medium Flow-160
12501252	Avacado-Low Flow-160
12501253	Terra Cotta-Mini Flow-160
12501254	Brown-Low Flow-90
12501255	Gray-Mini Flow-90
12501256	Blue-Medium Flow-360

Chapin Drip Tubes



Features:

- Precision casted alloy metal weights
- Multiple tube lengths in 0.076" tube ID
- Looks orderly and neat on a bench
- Ideal for both small and large pots
- Quickly adapts between crop change over
- Cost effective solution for pot irrigation
- Available standard or On/Off tube weight
- PC available in 0.5 GPH, 1.0 GPH, or 2.0 GPH

Part Number	Description
127723XX	0.5 GPH PC On/Off Weight
127733XX	1.0 GPH PC On/Off Weight
127743XX	2.0 GPH PC On/Off Weight
127701XX	Standard Tube Weight
127713XX	On/Off Tube Weight

Replace XX with Appropriate Length

Jain Solid Tubing



Features:

- Virtually every size is available in either polyethylene or flexible vinyl on weather resistant cardboard reels
- All Jain polyethylene tubing is manufactured using Union Carbide materials that offer the exclusive Fingerprint® identification feature and contain a minimum of 2% carbon black for UV protection
- Polyethylene and vinyl tubing are available in black (standard) and special colors (upon request)
- Hose may be ordered with holes pre-punched to ease field installation of emitters.
- 7-year non-prorated warranty

Part Number	Description
11190149	.187" x .125" x 100'
11190589	.187" x .125" x 1000'
11200002	.700" x .600" x 100'
11200122	.700" x .600" x 500'
11200318	.700" x .600" x 1000'

Other Sizes and Lengths Available



Agri Dripper Emitter



Part Number	Description
30225	1/2 gph Classic Emitter
30245	1 gph Classic Emitter
30285	2 gph Classic Emitter
30325	1/2 gph Pressure Comp Emitter
30345	1 gph Pressure Comp Emitter
30365	2 gph Pressure Comp Emitter

Turbo-SC® Plus PC Emitter



Part Number	Description
DPJ02-A	Blue - 1/2 GPH
DPJ04-A	Black - 1 GPH
DPJ08-A	Red - 2 GPH

N.G.E. SF Emitters



Self Flushing Pressure Compensating

Part Number	Description
DPCT02-3-BLUE	3mm Barb, Blue-.53 GPH
DPCT04-3-BLK	3mm Barb, Black-1.06 GPH
DPCT08-3-RED	3mm Barb, Red-2.11 GPH
DPCT03-MA-GRN	Male Adpt, Green-.75 GPH
DPCT03-MA-RED	Male Adpt, Red-2.11 GPH

Mini-Wobbler



Features:

- Upright & Inverted Models
- 1/2" MIPT Connection
- 2-year warranty on materials, workmanship and performance
- Color-coded nozzles for easy size identification, 5-year warranty on nozzle orifice

Specifications:

- Flows: .42 - 2.61 GPM
- Pressure: 15 - 25 PSI
- 2-year warranty on materials, workmanship and performance
- Color-coded nozzles for easy size identification, 5-year warranty on nozzle orifice

Part Number	Description
WOB04M200	#4 Upright
WOB05M200	#5 Upright
WOB06M200	#6 Upright
WOB07M200	#7 Upright
WOB08M200	#8 Upright
WOB05M250	#5 Inverted
WOB06M250	#6 Inverted
WOB07M250	#7 Inverted
WOB08M250	#8 Inverted

Drain Stop Plus



Features:

- Senninger's Drain Stop Plus is specifically designed for overhead irrigation to prevent draining from applicators when the system is shut down. This protects plants beneath applicators from damage and over-watering. The Drain Stop Plus allows lines to remain full to help expedite system start-up time and maximize initial zone coverage. Its unique three-in-one dial design (open, check, and closed) provides additional versatility. It has an easy-clean feature allowing the device to remain in place. A simple twist releases the bonnet for debris removal.

Specifications:

- Flows: .25 - 5 GPM
- Minimum Opening Pressure: 13.5 PSI
- Minimum Closing Pressure: 3.5 PSI
- Maximum Operating Pressure: 50 PSI

Part Number	Description
DSP2M2F	Drain Stop Plus

Drop Assembly



Features:

- The Senninger Drop Adapter offers simple, fast and economical installation of drops. It is available as individual components or as an assembly. The Assembly includes two Super Barb Connectors, one 1/2" slip x NPT Connector, 12 inches of 0.345" tubing, 12 inches of 1/2" PVC. It is available with a 1/2" F slip, 3/4" M slip, or 1/2" M NPT outlet connection.

Part Number	Description
DRADASM1/23S2F24	1/2" spigot x 1/2ft x 24" Long
DRADASM15/2M2F24	1/2" mpt x 1/2ft x 24" Long

Other lengths and sizes available



Pressure Regulators



Features:

- 100% water tested for accuracy
- Pressures: 6-60 PSI
- Flows: 0.1 to 100 GPM
- Backed by 2-year warranty on materials, workmanship and performance

Part Number	Description
12100022	3/4" - 15 PSI - 2-20 GPM
12100026	3/4" - 20 PSI - 2-20 GPM
12100030	3/4" - 30 PSI - 2-20 GPM
12100035	3/4" - 40 PSI - 2-20 GPM
12100037	3/4" - 50 PSI - 2-20 GPM
12100023	1" - 15 PSI - 2-20 GPM
12100053	1" - 20 PSI - 2-20 GPM
12100031	1" - 30 PSI - 2-20 GPM
12100036	1" - 40 PSI - 2-20 GPM
12100059	1" - 50 PSI - 2-20 GPM

Other Sizes available

Compact PVC Ball Valves



- Rated to 150psi @ 73F
- T = Threaded
S = Solvent Weld
W = White Body
G = Gray Body
- Schedule 40

White Body

Part Number		Size
Solvent Weld	Threaded (FPT)	
S1-005W	T1-005W	1/2"
S1-007W	T1-007W	3/4"
S1-010W	T1-010W	1"
S1-012W	T1-012W	1-1/4"
S1-015W	T1-015W	1-1/2"
S1-020W	T1-020W	2"
S1-025W	T1-025W	2-1/2"
S1-030W	T1-030W	3"
S1-040W	T1-040W	4"

Gray Body

Part Number		Size
Solvent Weld	Threaded (FPT)	
S1-005G	T1-005G	1/2"
S1-007G	T1-007G	3/4"
S1-010G	T1-010G	1"
S1-012G	T1-012G	1-1/4"
S1-015G	T1-015G	1-1/2"
S1-020G	T1-020G	2"
S1-025G	T1-025G	2-1/2"
S1-030G	T1-030G	3"
S1-040G	T1-040G	4"

SPEARS MFG.

Industrial Grade PVC Ball Valves



- Rated to 235psi @ 73F
- Optional Accessories:
Round Safety Handle,
Stem Extension Kit, 2"
Square Operating Nut
Schedule 80

Part Number		Size
Solvent Weld	Threaded (FPT)	
2122-005	2121-005	1/2"
2122-007	2121-007	3/4"
2122-010	2121-010	1"
2122-012	2121-012	1-1/4"
2122-015	2121-015	1-1/2"
2122-020	2121-020	2"
2412-030G	2411-030G	3"
2412-040G	2411-040G	4"

*3" & 4" valve have one union side

Brass Gate Valves



Part Number	Size
514T03	1/2"
514T04	3/4"
514T05	1"
514T06	1-1/4"
514T07	1-1/2"
514T08	2"
514T09	2-1/2"
514T10	3"
514T11	4"

Brass Ball Valves - Threaded



Part Number	Size
758T01	1/4"
758T02	3/8"
758T03	1/2"
758T04	3/4"
758T05	1"
758T06	1-1/4"
758T07	1-1/2"
758T08	2"
758T09	2-1/2"

Cast Iron Gate Valves

- Rated for 200psi CWP
- Ring Tite Gasket for PVC Pipe
- Epoxy Coated
- Specify Handwheel or 2" Nut



Part Number	Size	Weight (lbs)
10RT10	3"	33
10RT11	4"	46
10RT13	6"	90
10RT14	8"	154

Cast Iron Butterfly Valves

- Rated for 200psi WOG
- Nickel Plated Disc
- Lever Operated
- Gear Operation Also Available



Part Number	Size	Weight (lbs)
B5-RLO2	2"	8
B5-RLO3	3"	10
B5-RLO4	4"	14
B5-RLO6	6"	21
B5-RLO8	8"	35

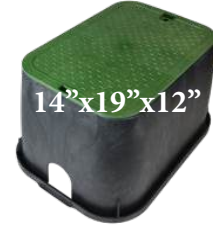
Valve Boxes & Enclosures

NDS Valve Boxes

- Available in round or rectangle in black, green, purple, or grey
- Covers are identified with ICV (Irrigation control valve) designation
- Overlapping cover design prevents dirt and grass from settling between body and cover.
- 6" has a snap cover and 10" has a bayonet twist on cover
- UV inhibitors prevents discoloration and deterioration



Part Number	Size
107BCSLV	6" Round, Black box/Green Cover
111BC	10" Round, Black box/Green Cover
113BC	14"x19"x12" Rect, Black box/Green Cover
115TB	14"x19"x6" Rect, Black Box Only
124BCB	17"x30"x15" Rect, Black box/Green Cover
182002	6" Universal Pit Cover Only-Armour



Rainbird Valve Boxes

- Light and durable construction
- Side ridges for extra support
- bottom flanges to help prevent sinking
- Four colors are available: black, green, tan, or purple
- Earth friendly, LEED-compliant material made of 100% recycled materials.
- 6" has a snap cover and 10" has bolt hole and twist lock
- UV inhibitors prevents discoloration and deterioration

Part Number	Size
PVB6RND	6" Round, Black box/Green Cover
PVB10RND	10" Round, Black box/Green Cover
PVBSTD	13"x18"x12" Rect, Black box/Green Cover
PVBJMB	16"x22"x12" Rect, Black box/Green Cover
PVBSTDEXT	12"x17"x6" Rect, Black box/Green Cover
PVBMST	9"x15"x10" Rect, Black box/Green Cover



Part Number	101-XX	102-XX	103-XX	104-XX	106-XX
Length	31"	27"	56"	60"	19"
Width	26"	21"	42"	48"	14"
Height	21"	25"	30"	41"	12"
Part Number	108-XX	110-XX	112-XX	113-XX	114-XX
Length	31"	39"	36"	18"	63"
Width	27"	21"	36"	17"	48"
Height	6"	21"	9"	34"	61"

NEW FROM DEKORRA: A custom address plaque is the finishing touch to a beautiful home. With over a dozen shapes and three metallic finishes, you are sure to find an address plaque just to your taste. For a custom touch, add a line or two of text such as your street name or family name.

647-M

*Replace "XX" with your specified color selection. Choose between Fieldstone Grey(FS) or Riverbed Tan(RB). e.g.(101-FS). Many more sizes offered, call for pricing and availability.



Introducing a simple, intuitive, economical controller that gives the agricultural and horticultural growers the features they need now and the ability to expand later

Easy to Program & Operate

- >> Built for Agriculture
- >> Program any valve from 1 second to 24 hours
- >> Easy manual runtime for water and fertilizer
- >> Simple interface and familiar terminology

Two Fertilizer Channels

- >> Simple to program
- >> Set delay start time to allow system filling
- >> Set Fertilizer pump runtime

Simple Pulse Irrigation

- >> Divide any application into run-or-rest time cycles

Part #	Description
EVO-4AG	4 Zone Outdoor Controller
A-EMOD-4	4 Zone Expansion Module
A-EMOD-12	12 Zone Expansion Module
A-SR-1	Pump Start Relay
A-EVO-SC	Smart Connect Plug-In Receiver
A-EVO-HH	Wireless Handheld Remote
A-EVO-AR	Wireless Auxilliary Relay
A-PSS-SEN	Wireless Precision Soil Sensor Probe
A-EVO-WS	Wireless Weather Sensor

Additional Features

- >> Modular expansion: 4, 8, 12, 16 Valves
- >> Operate up to 4 valves at one time
- >> Excellent diagnostics to identify problems
- >> Wireless Valve Remote with 1,000' range
- >> Use your Smartphone as a remote control
- >> Save and share programming by USB
- >> One button toggle for Spanish / English
- >> Fertilizer, Propagation, and Misting scheduling

DDC WP

Rugged waterproof 9 Volt DC controller for remote or isolated installations



Part #	Description
A-DDCWP-2-9V	2 Zone DC Controller
A-DDCWP-4-9V	4 Zone DC Controller
A-DDCWP-6-9V	6 Zone DC Controller
A-DDCWP-8-9V	8 Zone DC Controller

The DDCWP is waterproof and is ideal for remote or isolated locations, is battery operated with (2) 9V batteries, and controls up to 8 potted DC latching solenoids

Features and Benefits

- >> Fully Waterproof and Submersible
- >> Operates on DC latching solenoids
- >> Exclusive "Digital Dial" Technology
- >> Unique power Feature
- >> Monthly watering schedules
- >> Easy to use Lock-Out Feature
- >> Control valves up to 200' away on 18 AWG wire
- >> Wired rain sensor compatible



616-396-1956
info@springbrooksupply.com



Agricultural Irrigation

These heavy-duty globe/angle valves offer superior performance and durability under the most demanding conditions. The 100 Series Century Plus valve delivers a host of features and reliable performance, which makes it the right choice for Agricultural, Commercial and Industrial applications.

24V Electric Valves

1", 1-1/2", 2" & 3" Plastic Valve

- >>Flow Range from 5-300 gpm
- >>Pressure range form 10-200psi
- >>Manual internal bleed
- >>Manual external bleed (flush mode)
- >>Brass flow control stem (2" & 3" models)
- >>Easily serviced- no removal from system
- >>24VAC, .4amp Inrush, .2amp holding

Pressure Regulation 213 Models

- >>Manual downsteam pressure regulating
- >>Available in 20-100 or 0-30 psi regulation



Part #	Description
A-100P1	1" fpt 24VAC 5-50gpm Elec Valve
A-100P1.5	1-1/2" fpt 24VAC 30-110gpm Elec Valve
A-100P2	2" fpt 24VAC 80-175gpm Elec Valve
A-100P3	3" fpt 24VAC 150-300gpm Elec Valve
213P1-100DS	1" fpt Pressure Regulating Elec Valve
213P1.5-100DS	1-1/2" fpt Pressure Regulating Elec Valve
213P2-100DS	2" fpt Pressure Regulating Elec Valve
213P3-100DS	3" fpt Pressure Regulating Elec Valve
A-R811-24VACG	24VAC Solenoid
E2002	DC Latching Solenoid
R2658	2 Prong Adapter for PSI sensing

Air/Vacuum Valves



Air and Vacuum control is essential to the safety, longevity, efficiency, and performance of an irrigation system. Air must be allowed to exit pipelines 1) upon startup to prevent water hammer, 2) during normal operation to prevent air pockets, and 3) air must be allowed to re-enter pipelines and laterals at shut down to prevent vacuum suction

Removal of Air in Pipelines

>>**Avoid water hammer** Air must be allowed to escape pipelines at the same rate as the water enters the pipeline during startup to avoid dangerous water hammer from occurring.

>>**Remove entrained or dislolved air** Air that has accumulated at high points during system operation must be allowed to escape to avoid air pockets which restrict the flow of water and can cause water hammer.

Allow the entry of air into Pipelines

>>**Prevent Vacuum Suction in pipelines** Air must be allowed to re-enter mains and submains as water drains during system shutdown to prevent negative suction from occurring and potential collapse of the pipeline.

>>**Prevent Vacuum Suction on laterals:** Laterals which are buried or submerged in water may ingest dirty water and/or soil throught the emitters as a result of vacuum suction if air is not allowed to enter the laterals during system shutdown and drainage.

Part #	Description
ARV-1-A	1" npt Continous Air Vent
ARV-2-KA	2" npt Continous Air Vent
ARV-1-K	1" npt Air release and vacuum
ARV-2-K	2" npt Air release and vacuum
YD-500-34	1/2" npt Vacuum Breaker
ARV-BBK1	1" npt Air Vent



Agricultural Irrigation

The Future of Agriculture Automation

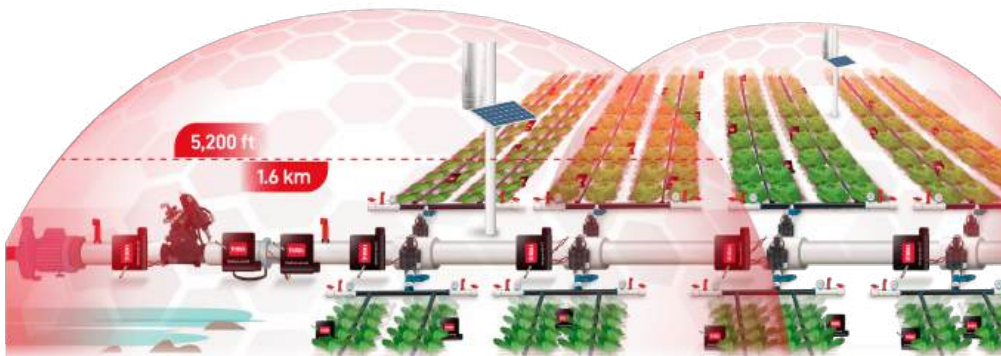


Agricultural Irrigation

- **System automation made easy.** Wireless devices can connect to the cloud via 4G or Wi-Fi base station(s), or directly to your mobile device or bluetooth.
- Get Full control of your field from anywhere and get informed by email or text when parameters are not aligned with set points
- Monitor pressure, flow, humidity, soil temp, moisture sensors, Rain sensors, and wind
- Modular system that grows with your needs
- Easy hardware installation



Tempus Family of products



Modular system that grows with your needs



5200' range with LoRa bubble



Wi-Fi or 4G Base Station

- No fee for WiFi Base Station-
- Small Monthly fee for 4G Base Station -



1,2 or 6 station Controller



Pressure Sensor Controller



Multi Sensor Controller



Control and monitor your system from Anywhere

RAIN BIRD ESP-ME3



The Industry's most flexible controller solution. Supports up to 22 zones.

Features:

- 4 zone base modular controller
- Zone timing from 1 minute to 6 hours
- 4 individual programs each w/ 6 start times
- WiFi connectivity (w/ LNK WiFi module)
- Tailored watering schedules
- Single controller simplicity
- Delay watering
- Bypass rain sensor by zone
- Seasonal adjust by program
- Total run time calculator by program
- Short detect/programming errors
- One-Touch watering
- User friendly design
- Master valve / pump start circuit
- Expandable to 22 zones with 3 or 6 zone modules (ESPSM3 or ESPSM6)

Specifications:

- Input Required: 120 VAC, 60Hz
- Output: 24 VAC, 0.6A
- A 10 year lithium battery saves date and time.
- Non-volatile memory saves all program information.



Part Number	Description
ESP4ME3	4 zone Indoor/Outdoor Controller
ESPSM3	3 Zone Module
ESPSM6	6 Zone Module

ESP-LXME/F



Easily expandable from 12 zones up to 48 zones with modules.

Features:

- Hot-swappable module can be installed while the controller is in operation
- Flow Smart Module factory installed in the LXMEF or field upgradable for LXME
- Master valve / pump start circuit
- Weather sensor input with override switch
- 6 user languages
- 365-day calendar with leap year
- Non-volatile memory maintains the schedule during power outages
- Station timing: 0 to 12 hours for all zones
- 40 independent programs and 10 start times
- Supports FloWatch, FloManager, and SimulStations, and Cycle+soak features

Specifications:

- Input Required: 120VAC
- Output: 26.5VAC 1.9A
- Lithium coin-cell battery for time and date
- 100 year Non-volatile memory saves all program information

Part Number	Description
ESPLXME2	12 Zone Controller
ESPLXMSM12	12 Zone Module

60-240 Zone capable 2-Wire Decoder Commercial Controller

ESP-LXIVM Series



Features:

- Standard 60 Zone expandable to 240 Zones
- 4 Sensor Inputs for 5 different flow and weather sensors and SD Surge protectors
- ESP Extra-Simple-Programming Interface
- Removable door and front panel for easy mounting and remote programming
- User-selectable 6 language support
- 10 separate programs w/ 8 start times
- Flow Manager and Flow Watch
- 60 or 240(PRO) station capacity
- Station run time: 0-96hrs
- Seasonal adjust by program or month
- Lithium battery backup
- Supports FloWatch, FloManager, and SimulStations, and Cycle+soak features

Part Number	Description
ESPLXIVM	60 Station Base (2-Wire)
ESPLXIVMP	240 Station Base-PRO
LXIVMSOL	Solenoid IVM 2 wire
LXIVMOUT	Output Device DC Latching
LXIVMSEN	Flow or Weather Sensor
LXIVMSD	Line Surge Protector
PSR110IVM	Pump Start IVM 110V
PSR220IVM	Pump Start IVM 220V
RBIVM100PGA	1" Valve w/ IVM Solenoid
RBIVM150PGA	1-1/2" Valve w/ IVM Solenoid
RBIVM200PGA	2" Valve w/ IVM Solenoid

LINK WiFi Module

Control your ESP-ME Controller from anywhere in the World



Features:

- Upgrades your ESP-ME to make them fully accessible and programmable from IOS and Android devices
- Operates like a wireless remote control
- Instant access allows for system management
- 2.4 GHz (only) WiFi router compatible
- Compatible w/ iOS 8.0 & Android 4.4 or later
- Simplifies initial controller setup

Specifications:

- Input Required: 120VAC
- Output: 25.5VAC 1A
- Programming Schedule: Custom, Odd/Even, Cyclical



Part Number	Description
LNKWIFI	WiFi Module

TBOS-BT

Bluetooth 9V Battery-Operated Commercial Irrigation controller



Features:

- Program with a Smart Phone or Tablet
- Seasonal automatically adjusts zone run time
- Install Anywhere
- Flexible Programming: 1 min to 12 hours
- 3 independent programs w/ 8 start times/day
- Valve Compatibility w/ all Rainbird valves
- Solenoid adapters available for non RB valves
- 3 year trade warranty

Specs:

- Available in 1, 2, 4, & 6 zone models
- Operates 1 valve per zone
- Powered by 9V alkaline battery (not included)
- Max Distance of 16AWG Valve = 100'
- Max Distance of 186AWG Valve = 32'



Part Number	Description
TBOS-BT1	1 Zone Battery Controller
TBOS-BT2	2 Zone Battery Controller
TBOS-BT4	4 Zone Battery Controller
TBOS-BT6	6 Zone Battery Controller

FD Decoders

For LXD Controllers



Part Number	Description
FD-101TURF	1 Station Decoder
FD-202TURF	2 Station Decoder
FD-401TURF	4 Station Decoder
FD-601TURF	6 Station Decoder
LSP-1TURF	Surge Protector
SD210-TURF	Sensor Decoder

Flow Sensors



Part Number	Description
FS100P	1" Flow Meter-Plastic
FS150P	1-1/2" Flow Meter-Plastic
FS200P	2" Flow Meter-Plastic
FS300P	3" Flow Meter-Plastic
FS100B	1" Flow Meter-Brass
FS150P	1-1/2" Flow Meter-Brass
FS200P	2" Flow Meter-Brass

Rain/Freeze Sensor



Part Number	Description
WR2RFC	Wireless Rain/Freeze Combo



PGA Series



Features:

- Globe and angle configuration for flexibility in design and installation.
- Normally closed, forward flow design.
- Double-filtered pilot flow to resist debris and clogging of solenoid ports.
- Slow closing to prevent water hammer and subsequent system damage.
- Non-rising flow control handle adjusts water flow as needed.
- Accepts latching solenoid for use with Rain Bird battery-operated controllers.

Specifications:

- Pressure: 15 to 150 psi
- Flow: 2 to 150 GPM.
- 24 VAC 50/60 Hz
- 0.41 A (9.8 VA) inrush current; 0.28 A (6.7 VA) holding current
- Solenoid coil resistance: 24 Ohms

PGA Series Performance

Flow Rate gpm	Pressure Loss (PSI)					
	1"		1-1/2"		2"	
	Globe	Angle	Globe	Angle	Globe	Angle
1	5.1	4.3				
5	5.5	5.0				
10	5.9	5.5				
20	6.0	5.6				
30	6.4	5.5	1.9	1.3		
40	7.0	7.5	3.2	2.0	1.2	1.0
50			4.8	3.0	1.5	0.9
75			11.1	6.5	3.0	1.7
100			19.2	11.7	5.5	3.0
125					8.6	4.8
150					12.0	6.5

Part Number	Description
RB100PGA	1" Electric Valve
RB150PGA	1-1/2" Electric Valve
RB200PGA	2" Electric Valve

PRS-Dial



Features:

- The PRS-Dial is an excellent means of regulating outlet pressure at the valve regardless of incoming pressure fluctuations. The visible scale makes adjustment quick and easy.
- The regulator fits all Rain Bird PGA, PEB, PESB, PESB-R, GB-R, EFB-CP-R, BPE and BPES series valves.

Part Number	Description
PRS-DIAL	Pressure Regulating Module



Quick Coupling Valves



Part Number	Description
3RC	3/4" Valve Body
44RC	1" Valve Body
5RC	1" Valve Body

Quick Coupling Keys



Part Number	Description
33DK	3/4" Valve Key
44K	1" Valve Key
55K-1	1" Valve Key

Hose Swivels



Part Number	Description
SH-0	3/4" FPT x 3/4" MHT Swivel
SH-1	1" FPT x 3/4" MHT Swivel
SH-2	1" FPT x 1" MHT Swivel

BLUE Controller



Features:

- Communicates by Bluetooth directly with smartphones or tablets.
- Improved Programming Power enables desktop management of hundreds of controllers
- View devices on a map using smartphone, tablet, or web browser.
- Geo-location feature-see every site, every controller, every program
- 1, 2, or 4 zone models available
- Eliminates long wire runs and is ideal for locations where AC power is unavailable
- Bluetooth range of 35 feet
- Works with a 9V DC latching solenoids
- Max distance between timer and solenoid is 98ft. with 15 AWG wire

BLUE

Bluetooth Battery Controller

Part Number	Description
KRBL-KR1	1 Zone Controller
KRBL-KR2	2 Zone Controller
KRBL-KR4	4 Zone Controller
KRP3008114	9V DC Latching Solenoid

ProSeries 100



Features:

- Straight flow through design
- Self cleaning metering screen
- Manual external bleed screw
- Manual internal bleed through solenoid
- Flow control with removable handle
- Captured plunger
- Available in 3/4" and 1" sizes
- Connection in male and female threaded (NPT), Slip, and barb configurations
- 24VAC Solenoid, .43 Amps Inrush current, and .25 Amps holding current
- Residential and commercial applications

Part Number	Description
KR7001	1" Female thread
KR7001-SL	1" Slip
KR7001-NFC	1" Female - No Flow Control
KR7001-MXB	1" Male X Barb
KR7001-MXB-NFC	1" Male X Barb-No Flow Control
KR7075	3/4" Female
KR7075-SL	3/4" Slip
KR7075-NFC	3/4" Female-No Flow Control

ProSeries 150



Features:

- Heavy Duty, Corosion and UV resistant
- External bleed screw w/ removable pin
- Manual internal bleed through solenoid
- Removable Inlet Cap
- Flow control with removable handle
- Captured plunger
- Available in 1-1/2" & 2" sizes
- Heavy Duty Santoprene Diaphragm
- Connections only female threaded (NPT)
- 5 year limited warranty
- 24VAC Solenoid, .4 Amps Inrush current, and .2 Amps holding current
- Residential and commercial applications

Part Number	Description
KR7115	1-1/2" Female thread
KR7102	2" Female thread



HRC-100 Series

A straightforward, user-friendly, and cost effective controller



Features:

- Three Independent Programs
- Non-Volatile Memory
- UL Listed Indoor/Outdoor Box
- Seasonal Water Budgeting
- Wireless Rain/Freeze Sensor Ready
- Hinged faceplate panel for easy wiring access



Part Number	Description
HRC-100-04-NA	4 Station Controller
HRC-100-06-NA	6 Station Controller
HRC-100-09-NA	9 Station Controller
HRC-100-12-NA	12 Station Controller

HRC-400 Series

WiFi Smart Controllers powered by B-hyve and Bluetooth Technology



Features:

- 4 Programs with 4 start times
- Programed data safely stored
- Manual advance with 1 button convenience
- Fast to program and Install
- Multi-Site management
- Remote control with the mobile App
- 3 year Unconditional parts warranty

The New HRC-410-WF-8 has a clean, slim look. WiFi Smart by B-hyve All controlled from your Phone, Tablet, or computer.



Part Number	Description
HRC-400-08-NA	8 Zone Wifi Controller
HRC-400-16-NA	16 Zone Wifi Controller
HRC-410-WF-8	8 Zone Smart WiFi Indoor

Setting a new standard in battery operated controllers

HRC-990 Series



Features:

- DC Latching Solenoids (1 included)
- conserve actuation energy
- Rated "submersible" operates under water
- Intuitive "dial type" wire-free programming module
- Accommodates HRC 990 moisture sensor
- Operates up to four valves
- For use with Hydro-rain valves
- Adapters available for Rainbird, Hunter, Irritrol valves
- Dual program A/B
- Multiple start times
- Water budgeting 10% to 200%

Part Number	Description
HRC-990-04-01	1 to 4 Station Controller
HRC-990-SD-MD	DC Solenoid
HRC-990-DV-AD	Rain Bird DV Adapter
HRC-990-PB-MD	Rain Bird PEB/Hydro Rain HRB Adapter

Rain/Freeze sensors designed to save you Money !

HRC-100 Sensor



Features:

- Adjustable moisture activation—1/8", 1/4", 1/2", 3/4", 1" rainfall settings for variable climates
- Universal—For use with most brands of 24 Volt sprinkler timers
- Quick rain gutter mount—No tools required for mounting the sensor to a rain gutter
- Wireless Transmission range—Over 300 feet line of sight
- Manual bypass control—Allows for deactivation during sprinkler system maintenance

Part Number	Description
HRC-100-RS-RF	Wireless Rain Sensor
HRC-100-RS	Hardwired Rain Sensor



Proline Series



Features:

- Modular - 4 to 48 stations
- Manual Test Settings In Seconds
- On-Board Multi-Meter
- Patented Valve Locator
- Real Time Clock/Calendar & Non-Volatile Program Memory with Daylight Savings Time
- Runoff Eliminator
- Omit Times/Days/Dates
- Monthly % Adjust
- Backtrack Stored Program Feature
- Grow-In Program

Part Number	Description
PL800	4 Station Base Indoor
PL1600	4 Station Base Outdoor
PL1620	20 Station Outdoor
PL4800	12 Station Base Outdoor
SLM12-1600	12 Station Module (PL1600)
SLM12-4800	12 Station Module (PL4800)
SLM2	2 Station Module (PL800)
SLM4	4 Station Module (PL1600)

SmartLine Series



Features:

- Modular - 4 to 48 station
- Manual Test Settings In Seconds
- On-Board Multi-Meter
- Patented Valve Locator
- Real Time Clock/Calendar & Non-Volatile Program Memory with Daylight Savings Time
- Runoff Eliminator
- Omit Times/Days/Dates
- Monthly % Adjust
- Backtrack Stored Program Feature
- Grow-In Program
- Optional Wired/Wireless Weather Station

Part Number	Description
SL1600	4 Station Base Indoor/Outdoor
SL1620	20 Station Indoor/Outdoor
SL4800	12 Station Base Indoor/Outdoor
SLM4	4 Station Module (SL1600)
SLM12-1600	12 Station Module (SL1600)
SLM12-4800	12 Station Module (SL4800)
RFS5	Wireless Rain Sensor
420GLS	Wired Rain Sensor

SmartWire Series

Features:

- 48 station and 96 station 2-wire controller
- Connections for up to 3 different 2-wire paths
- Programs and operates SmartWire SLDEC Series decoders
- LED display and status lights for programming, operation status, and troubleshooting
- 1,2, and 4 station programmable decoders
- SLGDT provides surge protection

Part Number	Description
SL9648TW	48 Station 2-Wire Module
SL9696TW	96 Station 2-Wire Module
SLDEC1	1 Station Decoder
SLDEC2	2 Station Decoder
SLDEC4	4 Station Decoder
SLGDT	Lighting Arrestor



SmartLink AirCard

Features:

- Have immediate web-based access to your irrigation system from SmartLink Network
- Provides web-based control from your computer, tablet, or smartphone
- Make programming changes remotely
- Get alerted if a problem occurs
- Freeze prevention automatically prevents watering during freezes
- Remote shut down in case of emergency
- Dramatic Water Savings for areas with local watering restrictions

Part Number	Description
SL-AIRCARD-M1NA	Air Card
SL-AIRCARDFLOW-	Air Card w Flow
SLW5	Wireless Rain Sensor
SLW1	Wired Rain Sensor



IRR0METER

The original Irrrometer Tensiometers & Watermark sensors are used to measure Soil water tension which indicates the plants water availability in field and row crops, tree farms, and nurseries.

IRROcloud is a web platform that provides an intuitive interface with a quick reference dashboard, graphing suite, and optional frost alerting.

Part #	Description
SR206	6" Deep Tensiometer
SR212	12" Deep Tensiometer
SR218	18" Deep Tensiometer
SR224	24" Deep Tensiometer
SR236	36" Deep Tensiometer
SR248	48" Deep Tensiometer
SU1002	Service Vacuum pump w gauge
200SS-5	Watermark basic sensor w 5' lead
30-KTCD	Watermark Digital Meter
200SS-Probe18	18" deep probe Kit w rubber cap
200SS-Probe24	24" deep probe Kit w rubber cap
200SS-Probe30	30" deep probe Kit w rubber cap
900M-8	Watermark datalogger w 8 sensors
IC-10	Irrrometer Sensor Monitor
I-1014	Irrrometer Soil Auger tool kit



Irrrometer Tensiometer



Watermark 200SS-5



200SS-Probe18



Watermark 30-KTCD



900M Data Logger w 3 sensors



IC-10 Sensor Monitor



IRROcloud sends data to phone, tablet or PC

ENVIROMONITOR®

DAVIS Instruments

MEASURE • MONITOR • MANAGE

EnviroMonitor, from Davis Instruments, has been engineered from the ground up to meet the needs of today's data-driven world. EnviroMonitor helps you measure, monitor and manage a wide range of environmental conditions.

EnviroMonitor is more than a weather station. It is a powerful, expandable, and surprisingly affordable mesh network. Supporting hundreds of sensors from Davis and other leading sensor manufacturers you know and trust.

Designed for flexibility, scalability, and mobile access, EnviroMonitor can be installed on a small farm or scaled to cover thousands of acres.



Supported sensor types:



GroWeather®

- Temperature
- Humidity
- Dew Point
- Wind Speed
- Wind Direction
- Rainfall
- Rain Rate
- Solar Radiation
- Evapotranspiration

Barometric Pressure is measured in the Gateway



Temperature



Wind Speed/Direction



Rainfall



Pressure Transducers



Pressure Switches



Soil Moisture



Temperature/Humidity



Solar Radiation



Leaf Wetness



Flow Meters



Water Level



Soil Salinity



Soil Temperature

EnviroMonitor currently supports sensors from these manufactures. For the latest list of supported sensors, please visit our website at: www.davisinstruments.com/em-sensors.



SAVES MONEY
IMPROVES YIELDS
EASY ACCESS TO FIELD DATA



IRRIGATION MANAGEMENT
FROST WARNINGS
SOIL CONDITIONS



616-396-1956
info@springbrooksupply.com



Pro-900/700



Features:

- Advanced digital Cable, Valve, and wire locator
- 3 Modes of connection for flexibility and safety
- AC Power Tracking
- Adjustable power with Dual Frequencies
- Extended Range for the large systems
- Power Hum Rejection for Fast and Accurate tracking.
- Membrane Switch Technology
- Audio or Analog Meter Response Indicator
- Null or Peak Tracking with a push of a button
- 99% AC Interference/Buzz Removal

Specifications:

- Power: Main AC Adapter or internal (8) "D" rechargeable batteries (included)
- Receiver uses 1 9v square (included)
- Maximum Ranges: Depth at 8 Feet, Distance is infinite with Wireless/Broadcast Mode
- Frequencies: Standard Mode @ 2Khz, Wireless Mode @ 175Khz

Part Number	Description
PRO-900	Digital Wire Locator
PRO-700	Analog Wire Locator

GFL3000



Features:

- The GFL3000 Ground Fault Locator is a new low cost locator for contractors and maintenance personnel. Incorporating dual power output, the GFL3000 pinpoints ground faults where electrical voltage is being lost to ground. The GFL3000 transmits a powerful charge that is tracked by the GFL3000 receiver. By simply going in the direction of the analog needle kicks on the receiver, the exact spot of the fault can be found. Simply connect the transmitter to ground and the wire to be analyzed and turn it on. Follow the kicks with the receiver using the visual meter.

Specifications:

- Transmitter uses 12v rechargeable (included)
- Receiver uses 1 9v NEDA (not included)
- Voltage Protection: 240VAC/400VDC
- Power Output Max: 2400 or 3400 VDC selectable

Part Number	Description
GFL3000	Ground Fault Locator

Pro-40



Features:

- The Pro40 True-RMS Digital Multimeter is a premium tool for maintaining electrical systems whether irrigation, low voltage lighting, or main AC power.

Part Number	Description
PRO-40	Digital Multi-meter

Pro-90/Pro-95



Features:

- The Pro90 Automatic Multimeter is everything you will ever need in a multimeter.
- The Pro95 Automatic Multimeter is used for 2 wire systems using Milliamp precision

Part Number	Description
PRO-90	Automatic Multi-meter
PRO-95	Multi-meter for 2 wire

Pro-48/50



Features:

- The Pro48 and Pro50 is a AC/DC tester for Solenoids and Clocks. A Kit consists of an Activator, Multimeter, Pro210 Filter Probe, and carrying case

Part Number	Description
PRO-48	Analog Valve Tester Only
PRO-48K	Analog Valve Tester w/Tone Kit
PRO-50	Digital Valve Tester Only
PRO-50K	Digital Valve Tester w/Tone Kit



18 AWG Multi-Conductor

Part Number	Description
54702-XX-08	18-2 Wire
54704-XX-08	18-4 Wire
54705-XX-08	18-5 Wire
54706-XX-08	18-6 Wire
54707-XX-08	18-7 Wire
54708-XX-08	18-8 Wire
54709-XX-08	18-9 Wire
54710-XX-08	18-10 Wire
54713-XX-08	18-13 Wire

XX: Replace with appropriate put-up code
250' = 04, 500' = 05, 1000' = 06

Low Voltage Wire



AWG Single-Conductor

Part Number	Description
54500-XX-YY	16-1 Wire
54501-XX-YY	14-1 Wire
54502-XX-YY	12-1 Wire

XX: Replace with appropriate put-up code
500' = 05, 2500' = 09
YY: Color code 01=White, 02=Yellow, 04=Red,
06=Blue, 08=Black



Low Voltage Landscape Lighting Wire

Part Number	Description
55266-XX-08	16-2 Wire
55269-XX-08	12-2 Wire
55272-XX-08	10-2 Wire

XX: Replace with appropriate put-up code
100' = 03, 250' = 04, 500' = 05



14 AWG 2-Wire Maxi® Cable

Part Number	Description
51452-06-02	Yellow 14-2 Wire x 1000'
51452-06-04	Red 14-2 Wire x 1000'

Grounding Accessories



Part Number	Description
93104-35-00	5/8" x 8' Grounding Rod
93251-00-00	5/8" Grounding Clamp



Wire Strippers



Part Number	Description
46005	AWG #20-#10 wire stripper
46200	UF #14-#10 wire stripper
PRO55	AWG #22-#10 wire stripper

Wire Connectors



Part Number	Description
61135	Wire Nut - Black/White
10222	Wire Nut - Blue
20111	Wire Nut - Tan
SSP316	3M Pigtail Connector
BVS-1	Waterproof #16-#20
BVS-2	Waterproof #12-#20
DBY	Direct Bury-Red/Yellow
A-LOC	11 Sets - Grease filled

Tapes



Part Number	Description
86070	Duct Tape
T60	Electrical Tape
1137KA	2" wide Tile Tape
TEFLON TAPE	1/2" x 520
TEFLON TAPE 3/4IN	3/4" x 520

Poly Cutters



Part Number	Description
T135	Poly Cutter - 1-1/4"
SS200	Poly Cutter - 2" - SS Blade
BT135	Blade - 1-1/4" - Standard
BT135SS	Blade - 1-1/4" - Stainless
SSB200	Blade - 2" - Stainless

FEBCO® 765 Series Pressure Vacuum Breakers



- All bronze body
- Check valve and air opening port in one assembly
- Lightweight poppet seals air opening under minimum flow conditions
- Simple service procedures. All internal parts serviceable in line from top of unit
- Designed for minimal head loss
- Plastic bonnet protects valve bodies from freeze damage
- Optional union end ball valves for easy removal and ultimate freeze protection



Part #	Description
765DBV-3/4	3/4" Pressure Vacuum Breaker
765EBV-1	1" Pressure Vacuum Breaker
765EBU-1	1" Pressure Vacuum Breaker w/ Unions
765FBV-1-1/4	1-1/4" Pressure Vacuum Breaker
765GBV-1-1/2	1-1/2" Pressure Vacuum Breaker
765HBV-2	2" Pressure Vacuum Breaker
765-050	Repair Kit - 1/2" & 3/4"
765-100	Repair Kit - 1" & 1-1/4"
765-200	Repair Kit - 1-1/2" & 2"

WILKINS® 720A Series Pressure Vacuum Breakers



- Available Sizes: 1", 1-1/4", 1-1/2", 2"
- Maximum Pressure Rating: 150 psi
- Maximum Working Temp: 110° F
- Replaceable poppet assembly



Part #	Description
720A-1	1" Pressure Vacuum Breaker
720A-1-1/4	1-1/4" Pressure Vacuum Breaker
720A-1-1/2	1-1/2" Pressure Vacuum Breaker
720A-2	2" Pressure Vacuum Breaker
RK1-720A	Repair Kit - 1/2" to 1" Models
RK2-720A	Repair Kit - 1-1/4" to 2" Models

WILKINS® 975XL Series Reduced Pressure Principle Backflow Preventers



- Available Sizes: 3/4", 1", 1-1/4", 1-1/2", 2"
- Maximum Pressure Rating: 175 psi
- Maximum Working Temp: 180° F
- Full line of repair parts available as special order

Part #	Description
975XL-3/4	3/4" Red. Pressure Principle Vacuum Breaker
975XL-1	1" Red. Pressure Principle Vacuum Breaker
975XL-1-1/4	1-1/4" Red. Pressure Principle Vacuum Breaker
975XL-1-1/2	1-1/2" Red. Pressure Principle Vacuum Breaker
975XL-2	2" Red. Pressure Principle Vacuum Breaker
RK34-975XLR	Rubber Repair Kit - 3/4" to 1" Models
RK114-975XL	Rubber Repair Kit - 1-1/4" to 2" Models

Injection Pumps

Piston Metering Injection Pump

Our broad range of injection pumps are available in both simplex and duplex models for your advanced irrigation chemigation needs. All wetted internal parts exposed to chemicals and fertilizers are made from 316 stainless steel, chemically resistant polypropylene and the highest quality seals available today.



Features:

- Pumping cylinders can be mounted in parallel for large volume applications or for injection of two non-compatible products.
- A simple change of the stroke length sets the precise flow to be injected
- Maximum Pressure: 150 psi

Part #	Description
10620	110-220V Single Phase, 5-30 gph
11630	110-220V Single Phase, 10-100 gph
20620	220-440V Three Phase, 5-30 gph
21630	220-440V Three Phase, 10-100 gph
30620	12V Direct Current, 5-30 gph
30630	12V Direct Current, 10-100 gph

Injecting Acid ?

For Teflon Seals add -1 to the part number

FlexFlo® Peristaltic Injection Pump

FlexFlo® peristaltic metering pumps have an impressive edge over other manufacturers peristaltic units. Only FlexFlo® pumps are available with Blue-White's superior patented pump tube design and the patented tube failure detection System. Peristaltic metering pumps are well suited to metering fluids that could foul heads with conventional check valves. Peristaltic pumps have roller assemblies that compress the pump tube in a progressive squeezing action.



Features:

- Patented tube failure detection (TFD)
- Available with fixed or variable speed drives
- Self-Priming
- Output pressures up to 100 psi
- Feed rates from: .08 to 3.96 gph

Part #	Description
A1N30C-7T	115V, Analog, 0.198-3.96 gph
A1N30E-6T	115V, Digital, 0.08-1.25 gph
A1N32C-6T	230V, Analog, 0.08-1.25 gph
A1N32E-6T	230V, Digital, 0.08-1.25 gph

Chem-Feed® Diaphragm Injection Pump

The CD1 Multi-Diaphragm Metering Pump delivers smooth, continuous chemical feed even when injecting chemicals that off-gas like Peracetic Acid and Sodium Hypochlorite. The cutting-edge Hyperdrive Technology allows for alternating pumping action between two diaphragms: when one diaphragm is in the suction phase, the other is in the discharge, resulting in a very smooth chemical feed profile and minimizing the risk of vapor lock. The exclusive DiaFlex® Diaphragms will last the life of the pump, eliminating the need for expensive rebuild kits.



Features:

- Smooth chemical dosing, no pulsation dampener needed.
- Diaphragm Failure Detection (DFD) system which senses diaphragm failure.
- DiaFlex® diaphragms are warranted for the life of the pump.
- Quick output adjustment
- Output pressures up to 150 psi
- Feed rates up to 7.5 gph

Part #	Description
CD1FV14	115V, Manual control, 0.004-7.5 gph
CD1FV16	230V, Manual control, 0.004-7.5 gph



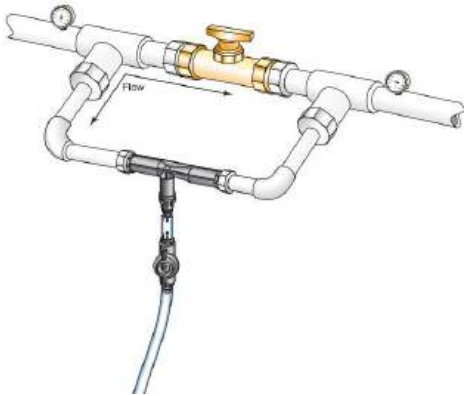
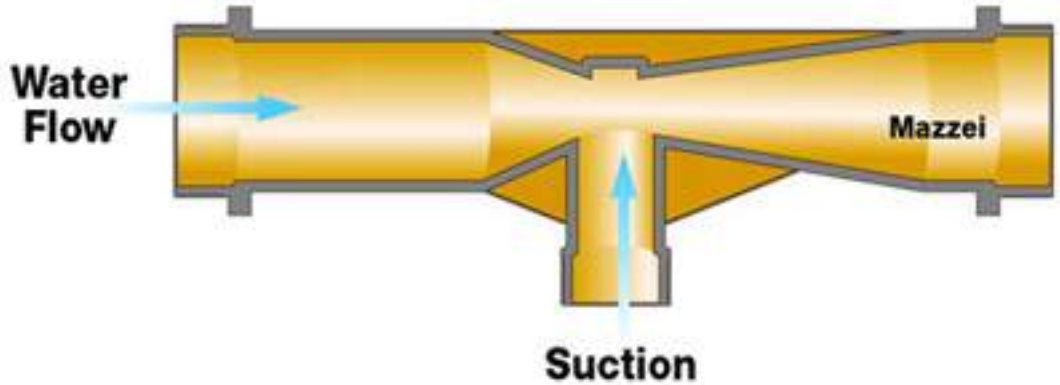
Mazzei Injectors



Mazzei® injectors offer an economical highly efficient means of injecting gases and liquids, such as chlorine, fertilizers, and other agricultural chemicals into a pressurized water system. Mazzei® injectors use differential pressure to create a low-pressure zone which draws the chemicals into a pressurized water line.

Features:

- Single-Unit Construction: Trouble-free operation with no moving parts
- Constant injection of material assures uniform distribution
- Safe to Use: Chemicals are under vacuum, not pressure
- No electrical connections
- Can run dry with no problems



Mazzei injectors are venturi-type injectors: When pressurized water enters the injector inlet, it is constricted toward the injection chamber and changes into a high-velocity jet stream. The increase in velocity through the injection chamber results in a decrease in pressure, thereby enabling an additive material to be drawn through the suction port and entrained into the water stream. As the jet stream is diffused toward the injector outlet, its velocity is reduced and it is reconverted into pressure energy (but at a pressure lower than injector inlet pressure).

Injector Models & Kit Assemblies

Injector Model Number	NPT - PVDF	NPT - Poly	BSPT - PVDF	BPST - Poly	Injector Size In/Out MIPT or BSPT	Maximum Suction Capacity		Suction Line Kit Only	Bypass & Suction Line Kit
						@ 50 psi	@ 3.4 bars		
						gph	lph		
283	X	X			1/2"	6.0	22.7	AAK-184	AAK184-A
287	X	X			1/2"	8.3	31.4	AAK-184	AAK184-A
384	X	X			1/2"	14.1	53.4	AAK-184	AAK184-A
384X	X	X			1/2"	33.9	128.4	AAK-184	AAK184-A
484	X	X			1/2"	17.4	65.9	AAK-184	AAK184-A
584C	X	X			1/2"	25.6	96.9	AAK-184	AAK184-A
484A	X	X	X		3/4"	17.4	65.9	AAK-184	AAK184-B
484X	X		X		3/4"	41.7	157.8	AAK-184	AAK184-B
584	X	X	X	X	3/4"	25.6	96.9	AAK-184	AAK184-B
684	X		X		3/4"	25.0	95.0	AAK-184	AAK184-B
878	X	X	X		1"	74.8	283.0	AAK-183	AAK181-A02
885X	X	X	X	X	1"	140	530.0	AAK-183	AAK181-A02
1078	X	X	X	X	1"	92.4	350.0	AAK-183	AAK181-A02
1583A	X	X	X	X	1-1/2"	227.0	860.0	AAK-183	AAK183-A
1585X	X	X	X		1-1/2"	323.0	1,222.0	AAK-183	AAK183-A
1587	X	X	X		1-1/2"	261.0	988.0	AAK-183	AAK183-A
2081A	X	X	X	X	2"	631.0	2,388.0	AAK-282	AAK282-A
2083X	X	X	X		2"	1,175.0	4,448.0	AAK-282	AAK282-A
3090	X		X		3"	1,236.0	4,678.0	N/A	N/A
4091	X		X		4"	2,820.0	10,673.0	N/A	N/A

MixRite™

AGRICULTURE
GREENHOUSE
LANDSCAPE



MixRite® TF-5 and TF-10 injectors are positive displacement water driven injectors. No Electricity is needed. This is a constant concentration of additive no matter what pressure and flow. The solution is added in proportion to the water flow for accuracy. The TF-5 is a low to medium flow unit (2-22gpm) and the TF-10 is a medium flow unit and both are used for fertilizers, pesticides and other additives for farming and irrigation. Not intended for strong acids and alkalis or solvents.

Features:

- No Electricity needed
- Minimal pressure loss
- Water flow up to 22 gpm on TF-5
- Water flow up to 45 gpm on TF-10
- Injection rates of .1-1%,.2-2%,or 1-5%
- Accurate proportioning regardless of water flow and psi changed

Part #	Description
TF-5.001	1" mpt., .1 - 1% injection rate
TF-5.002	1" mpt., .2 - 2% injection rate
TF-5.005	1" mpt., 1.0 - 5% injection rate
TF-10.001	1-1/2" mpt., .1 - 1% injection rate
TF-10.002	1-1/2" mpt., .2 - 2% injection rate
TF-10.005	1-1/2" mpt., 1.0 - 5% injection rate



Agri Inject MacRoy G Series metering pumps are ideal for precisely applying fertilizer, herbicides, fungicides, soil amendments, acid products, wetting agents, and more. Accuracy and reliability for large volume fluid injection. Complete system with switch, strainer, and Mister-Mist'r Check valve and has a 5 year warranty.



Part #	Model	Description
882-01-111025-D	D25	Fertilizer, 2.5 to 25 gph, 1/4 hp, 1PH, 100 max. psi
882-02-111025-D	D25	Fertilizer, 2.5 to 25 gph, 1/4 hp, 24 Volt, 100 max. psi
882-01-111025-A	D25	Acid Ready, 2.5 to 25 gph, 1/4 hp, 1PH, 100 max. psi
882-01-111050-D	D50	Fertilizer, 5 to 50 gph, 1/4 hp, 1PH, 100 max. psi
882-02-111050-D	D50	Fertilizer, 5 to 50 gph, 1/4 hp, 24 Volt, 100 max. psi
882-01-111050-A	D50	Acid Ready, 5 to 50 gph, 1/4 hp, 1PH, 100 max. psi
882-01-111055-0	G55	Fertilizer, 5.5 to 55 gph, 1 hp, 1PH, 150 max. psi
882-02-111055-0	G55	Fertilizer, 5.5 to 55 gph, 1 hp, 12Volt, 150 max. psi
882-01-111055-A	G55	Acid Ready , 5.5 to 55 gph, 1 hp, 1PH, 150 max. psi
882-01-111110-0	G110	Fertilizer, 11 to 110 gph, 1 hp, 1PH, 150 max. psi
882-02-111110-0	G110	Fertilizer, 11 to 110 gph, 1 hp, 12Volt, 150 max. psi
882-01-111150-0	G150	Fertilizer, 15 to 150 gph, 1 hp, 1PH, 100 max. psi

Feeder Systems



A Siphoning system consists of a feeder tank and the associated plumbing that can be connected to the intake side of an above-ground well pump. The vacuum created by the pump as it draws up water from the well also pulls a regulated amount of solution from the feeder tank.

An Injection system consists of a metering pump, feeder tank, pump start relay, and the necessary plumbing. The metering pump pulls the solution from the feeder tank and injects it directly into the irrigation lines.

Spring Brook Supply offers FREE water testing and will design an injection system to meet your specific needs.

Part #	Description
RR2650	Siphoning System
RR2670	Injection System
RR265057-S	30 gal. Siphoning Tank Only
RR265057-I	30 gal. Injection Tank Only
RR265060	Siphoning Check Valve

Rust Stain Preventers & Grass So Green



Formulated to prevent stains and scale caused by iron in well water from building up on walls, sidewalks, fences, shrubs and other landscape features. Both RR1 & RR2 formulas and GrassSoGreen fertilizer are concentrated solutions designed to be mixed with water in the feed tank of a feeder system. GrassSoGreen fertilizer can be used alone or in combination with the rust prevention formulas.

GrassSoGreen® is now Phosphorus FREE!



Part #	Description
RR1	64oz. Jug - 2X Concentrate
RR1-2.5	2.5 gal. Jug - 2X Concentrate
RR2	64oz. Jug - Extreme water
RR2-2.5	2.5 gal. Jug - Extreme water
RR2655	1 gal. Jug - Grass So Green 19-0-0

Rust Stain Remover & Calcium/Scale Remover



If you have a stain problem, you will need to remove the existing stains before installing a prevention system. The Rust Stain Remover will remove most stains without scrubbing; simply spray on and walk away. It is safe to use on both painted and unpainted surfaces, metal surfaces, stucco, concrete, stone, grout and asphalt. The Rust Stain Remover is biodegradable, non-carcinogenic, and will not harm grass or shrubs with normal application.

Part #	Description
RR2662	1 gal. Jug - Premixed
RRC-1	1/2 gal. Jug - Calcium remover
RRC-2.5	2.5 gal. Jug - Calcium remover

GreenFeeder System & Fertilizers

The ProFeeder is a precision liquid injection system that automatically delivers the most advanced landscape products through your sprinklers as you water. The unique and patented design eliminates the need for tanks, electricity and pump starts. Once installed, simply grab a bottle of Liquid Life plant food, Nature Shield all natural pest barrier or BioNatra organic biostimulant.



Part #	Description	N-P-K
PIX-Greenfeeder	GreenFeeder Fertilizer Injector	-
RR2655	1 gal. Jug - Grass So Green	19-0-0
RR2602	1 gal. Jug - All-Purpose Lawn OMRI Listed	7-0-2
NS2	1/2 gal. Jug - Nature Shield Insect/Pest repellent	-



Series 1100 Media Filters



Flow-Guard Media Filters provide superior filtration in any irrigation application. Utilizing 3-D filtration through the media bed with a large surface area is proven to be the most effective and reliable way to remove organic and inorganic contaminants from your irrigation water. Programmable backwash Controller is provided. Backwash cycles may be initiated manually or Automatically by a pressure differential or by timed intervals.

Durable Stainless Steel Construction - Less Maintenance
Increased Backwashing Efficiency - Flow-Balanced Underdrain

Part #	GPM Flow Rate	Minimum Backflush GPM	Gravel Requirements	Sand Requirements
215	42-62	21	80 lbs.	300 lbs.
218	60-88	26	160 lbs.	400 lbs.
318	90-132	26	240 lbs.	1200 lbs.
224	107-157	48	240 lbs.	800 lbs.
324	160-235	48	320 lbs.	1200 lbs.
230	167-244	83	320 lbs.	1000 lbs.
330	250-368	83	480 lbs.	1500 lbs.
236	240-353	105	480 lbs.	1600 lbs.
336	360-530	105	720 lbs.	2400 lbs.
245	377-555	188	960 lbs.	2400 lbs.
345	566-832	188	1440 lbs.	3600 lbs.
445	754-1110	188	1920 lbs.	4800 lbs.
545	943-1387	188	2400 lbs.	6000 lbs.
645	1132-1665	188	2880 lbs.	7200 lbs.
248	425-625	200	1120 lbs.	2600 lbs.
348	637-937	200	1680 lbs.	3900 lbs.
448	850-1250	200	2240 lbs.	5200 lbs.
548	1062-1562	200	2800 lbs.	6500 lbs.

Media Material Avg. Effective Media size Equivalent Mesh Size

#20 Crushed Silica	.48	190-250
#16 Crushed Silica	.68	130-180
#12 Crushed Silica	1.05	90-130

Series 1300 Galvanized Screen Filters



Flow-Guard Galvanized Pressurized Screen Filters provide excellent filtration of inorganic contaminants. The 1300 Series provide flow ranges of 100 - 3200 gpm, and 304 stainless steel screen filtration grades from 40 to 200 mesh. These handy filters can be used as pre-filters or primary filters depending on the application and the water quality. Available in SYS or SPS configurations with 6", 8" or 10" Inlet and Outlets, and with flanged, victaulic, or Ringlock connections.

Please call us for part number and connection options

Series 1500 Galvanized Screen Filters



Flow-Guard Galvanized Pressurized Screen Filters provide excellent filtration of inorganic contaminants. 1500 Series provide flow ranges of 1200 - 1750 gpm, and stainless steel screen options 1/16", 3/32", 1/8". These handy filters can be used as pre-filters or primary filters depending on application and water quality. The Inlet & Outlet options are only 8" flanged, victaulic, or Ringlock connections.

Please call us for part number and connection options

Series 1600 Sand Separator



Sand separators are used to remove sand and other fine solids from water by using centrifugal force which separates the sand from water. The clean water is forced into the center and up through the outlet. The sand is collected in a chamber at the bottom of the separator and can be flushed out.

Available from 3" to 8" and flow rates 70-1600 GPM

Manual Filters

Toro XD & SD Manual Disc Filters



- Can be installed upright or downward
- Unique disc design allow for longer periods between cleaning
- Less filter maintenance and prolonged product life.
- Flow rates up to 110 gpm on 2" and 220 gpm on 3"

Part Number	Description
IT-ABF5015-3SLN	2" MIPT - 150 Mesh
IT-ABF5020-3X-N	2" MIPT - 200 Mesh
IT-ABF7515-3SN	3" MIPT - 150 Mesh
IT-ABF7520-3X-N	3" MIPT - 200 Mesh

Plastic Spin Clean® Filters



- Spin Clean® action keeps screen clean during operation
- Plastic construction is light weight and resistant to corrosion
- 30, 50, 100, 150 & 200 Mesh Stainless Steel Screens
- 5-8 psi pressure drop required for cleaning action

Filters

Part Number	Size(MIPT)	Screen Mesh	Valve
12130116	3/4"	150	X
12130207	1"	150	X
12130091	1-1/2"	150	X
12130106	2"	150	X

Spin Plates

Part #	Filter Size	Spin Holes	Flow Rate
12140001	3/4"	2	9 gpm
12140002	1"	2	18 gpm
12140059	1-1/2"	2	23-28 gpm
12140058	1-1/2"	3	34-42 gpm
12140013	1-1/2"	4	45-55 gpm
12140060	2"	2	45-55 gpm
12140061	2"	3	68-84 gpm
12140029	2"	4	90-110 gpm

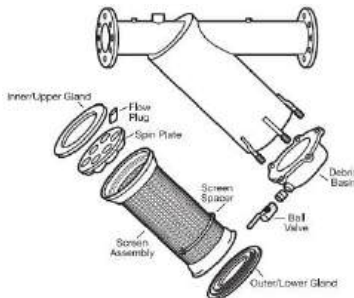


Steel Spin Clean® Filters



- Spin Clean® action keeps screen clean during operation
- All welded steel housing w/ fusion bond epoxy coating
- 30, 50, 100, 150 & 200 Mesh Screen Options
- Flanged Connections
- 5-8 psi pressure drop required for cleaning action
- Comes with 3-way valve, pressure gauge, air vent & brass ball valve

Speak with a Spring Brook representative to size up a filter to meet your exact need.



Part Number	Size	Screen Mesh	Flow Rate(Max)	Spin Plate #	Flow Plug #
13150037	3"	150	210 gpm	13180056	13180055
13150056	4"	150	365 gpm	13180072	13180071
13150069	6"	150	550 gpm	13180102	13180087
13150081	8"	150	1300 gpm	13180126	13180116
13150002	10"	150	2200 gpm	13180018	13180016
13150008	12"	150	2800 gpm	13180027	13180025

Sigma and Mini Sigma Automatic Self Cleaning Filters



- Reliable and durable
- Amiad's unique suction-scanner technology
- Modular design with various installation options.
- Polymeric filter - corrosion free
- Low water and energy consumption
- Compact design and small footprint
- Easy installation and low maintenance
- Ideal for many landscape and Agricultural irrigation applications.
- Amiad's innovative and user friendly ADI-P electronic controller, operated by a mobile App for advanced monitoring capabilities.



Size	Max GPM	Configuration	Empty Weight
2" Mini Sigma	132	Vertical or Horizontal	35 lbs.
3" Mini Sigma	220	Vertical or Horizontal	44 lbs.
4" Mini Sigma	352	Vertical or Horizontal	51 lbs.
4" Sigma Pro	528	Vertical	165 lbs.
6" Sigma Pro	792	Vertical	243 lbs.
8" Sigma Pro	1233	Vertical	264 lbs.



Filtomat Steel Automatic Self Cleaning Filters



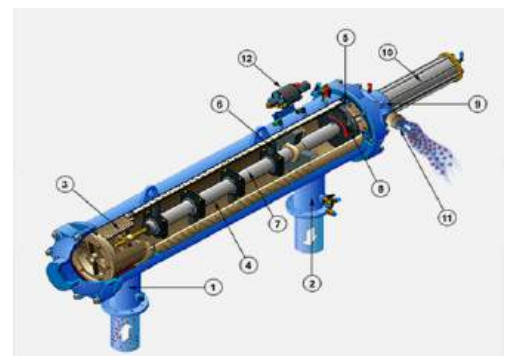
M103C shown

- Hydraulic Self Cleaning with no external power
- Reliable operating mechanism
- Simple construction and easy maintenance
- Ideal solution for agricultural filtration
- Automatic flushing according to psi differential
- Shortest Flush cycle on the market today
- No interruption of downstream flow during flushing
- High reliability and durability
- Hydraulic or Electric (AC,DC) flush control



M106LP shown

Size	Max GPM	Control operation	Empty Weight
M102C	75	Hydraulic, 110V AC, 12V DC	49 lbs.
M103C	176	Hydraulic, 110V AC, 12V DC	55 lbs.
M103CL	225	Hydraulic, 110V AC, 12V DC	66 lbs.
M104C	350	Hydraulic, 110V AC, 12V DC	77 lbs.
M104LP	420	Hydraulic, 110V AC, 12V DC	198 lbs.
M106LP	792	Hydraulic, 110V AC, 12V DC	342 lbs.
M108LP	1275	Hydraulic, 110V AC, 12V DC	309 lbs.
M110P	1760	Hydraulic, 110V AC, 12V DC	348 lbs.



1-Inlet, 2-Outlet, 3-Coarse screen, 4-Fine screen, 5-Rotor chamber, 6-Nozzles, 7-Dirt Collector, 8-Rotor, 9-Flushing Valve, 10-Piston, 11-Flush valve

Plastic Filters



- All-purpose plastic filters from 3/4" to 3" in diameter. Filtration degrees available from 3,500 to 22 micron.
- High particle retention: Large filter area allows long intervals between cleaning.
- Non-corrosive and durable engineering plastics: No metal parts in contact with water.

- Easy maintenance: The filter elements can be extracted from the filter housing for rinsing.
- Interchangeable filter element types and a wide range of filtration degrees to meet any need.
- Minimal energy loss: Extremely low pressure loss at high flow rates.
- Multi-purpose: Suitable for irrigation, industrial, domestic, and laboratory applications.



**Contact Spring Brook Supply
for sizing and part #**



Steel Filters



- Corrosion resistant: Housings are manufactured from high quality steel and are protected by Phosphate pre-treated polyester (Armadillo Armor Coating).
- Filtration degrees available from 3,500 to 80 microns.
- Various types of filter elements are available for applying specific perforation media in order to solve different types of contamination problems.

4" In-line

- No tools required for maintenance.
- Semi-automatic option: Can be equipped with various automatic devices or semi-automatic cleaning devices such as Turboclean, Autoflush, and Brushaway assembly.
- Available with a wide variety of flanges as per European(DIN), British(BSTD), American(ASA), or Japanese(JIS) standards.



EBS 10000

EBS Filters

- For flow rates up to 4,400 gpm
- Two cleaning methods: suction scanner for fine filtration or stainless steel brush mechanism for coarse filtration

**Contact Spring Brook Supply
for sizing and part #**

Water Softener System



Sanitizer Plus Series® water treatment systems combine patented self-chlorinating technology with advanced electronics to perform like four units in one — softening, removing iron and manganese, and raising low pH levels. This self-sanitizing system also controls odors caused by nuisance bacteria and minor sulfur conditions.

- Exclusive Crystal-Right™ media to remove hardness, iron and manganese, correct pH and control odor
- Patented self-chlorinator technology for bacteria control
- Single unit operation — no chemicals or added equipment
- Visual and audible "Check Salt" indicator
- Extended lithium battery backup
- Overrun capacity protection
- Flexible programming saves salt and water
- Advanced history and diagnostic screens
- Features an optional weather cover for outdoor installations



The Sanitizer Plus uses a patented chlorine generator technology which produces chlorine to kill and remove unwanted iron and sulfur bacteria — the same nuisance bacteria that produces foul smells and the "slime coating" inside plumbing fixtures and toilet tanks.

Water treatment systems are determined by each water test. It is possible to have completely different water than your neighbor. Please contact Spring Brook for additional information.



Whether you have hard municipal water or extremely hard well water, Impression Series® water softeners deliver the clear, soft water you want and need. Its easy-to-read LED screen and user-friendly console allows you to monitor all operating functions. It's true... nothing will last longer than your first Impression.

- Solid-state microprocessor control
- Meter monitors and self-adjusts regeneration cycles based on household trend of water consumption
- Easily programmed for optimum performance
- Extended lithium battery backup
- Flexible programming saves salt and water
- Advanced history and diagnostic screens
- Features an optional weather cover for outdoor installations

Reverse Osmosis (R.O.) Systems



Water-Right offers two high-quality R.O. drinking water systems that provide sparkling clear water where it's needed the most — right from the tap. Units are small enough for under-sink installation or wherever sparkling clean water for drinking or cooking is desired.

The Eclipse™ Reverse Osmosis Drinking Water System is designed to provide your family with the cleanest, healthiest water possible. Multiple filters clean ordinary household water to reduce unwanted and harmful contaminants.* System performance is verified with a touch monitor on the system's faucet base.

- Healthy, sparkling clear drinking water
- Pristine, flavorful coffee, tea and juice
- Clearer ice cubes
- Better tasting soups, sauces and meals when prepared with R.O. water
- Environmentally sound water treatment
- The daily cost of bottled water will no longer be a concern
- Convenient — fresh, clean water ready at your tap

Cycle Stop Valves

CSV1W



The Cycle Stop Valve models CSV1W, CSV1Z, and CSV2W are pump control valves that automatically adjust pump output to match variable flow requirements. Downstream pressure remains constant as long as demand is between the upper and lower limits of the valve.



- Size: 1" or 1-1/4" FIPT
- Pressure: 15 to 150 psi
- Flow: 1 to 50 gpm
- Cast bronze body
- Buna-N diaphragm
- 2-year warranty

CSV3B



The cycle stop valve model CSV3B is a pump control valve that automatically adjusts pump output to match variable flow requirements. Downstream of the CSV3B, pressure remains constant as long as demand on the system is between 5 gpm and the maximum pump output.

- Size: 2"-3" FIPT or 2"-12" Flanged
- Pressure: 15 to 150 psi
- Flow: 5 to 5,000 gpm
- Polyester coated cast-iron
- Diaphragm options: Nitrile, Buna-N, or EPDM



Vu-Flow Filters

Features:

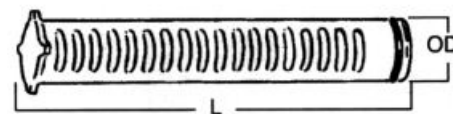
- 180° In-line "T" style installation
- 1-100 gpm models
- 1/2" MIPT cleanout with purge valve
- Supplied with polyester filter screen
- Stainless Steel screen available as special order



Part Number	Inlet/Outlet	Min/Max Flow
NT75-XXP	3/4"	1-25 gpm
NT100-XXP	1"	1-25 gpm
NT150-XXP	1-1/2"	10-50 gpm
NT200-XXP	2"	18-100 gpm

Replacement Screens

Part #	Mesh #	Mesh Opening	Micron Size
XX-SC-24	24	0.028	711
XX-SC-30	30	0.021	533
XX-SC-40	40	0.015	381
XX-SC-60	60	0.01	254
XX-SC-100	100	0.006	152
XX-SC-140	140	0.004	104
XX-SC-250	250	0.0024	61
XX-SC-500	500	0.0012	30
XX-SC-1000	1000	0.0006	15



Model #	Length	OD
NT30	5-1/8"	1-1/8"
NT60	8-1/8"	1-1/8"
NT120	10"	1-7/8"

Munro Pump Start Relays



Part #	Description
MPSR24	24V Relay - Standard
MPLC24	24V Relay w/ Low PSI Cut-Out
MPLC24T	24V Relay w/ Low PSI & High Temperature Cut-Out

Rainbird Pump Start Relays



Part #	Description
RBSR24WG1	24V Coil for 110V Line Voltage
RBSR24WG2	24V Coil for 220V Line Voltage

Pitcher Pump



Part #	Description
HPP10	Cast Iron Hand Pump

Pressure Switches



Part #	On	Off
9013FSG2 20/40	20 psi	40 psi
9013FSG2 30/50	30 psi	50 psi
9013FSG2 40/60	40 psi	60 psi
9013FSG2 60/80	60 psi	80 psi
9013FSG2 80/100	80 psi	100 psi

Low Pressure Cut-Out

Part #	On	Off
9013FRG12J23	40 psi	20 psi

Pressure & Vacuum Gauges



Part #	Description
PGL2560	0-60 PSI, Liquid Filled
PGL25100	0-100 PSI, Liquid Filled
PGL25160	0-160 PSI, Liquid Filled
PGL25200	0-200 PSI, Liquid Filled
MA1865075	0-30inHg Vacuum, Liquid Filled

Key-Tite Pipe Dope



DON'T FORGET THE KEY-TITE
Best teflon based, Non-hardening pipe joint compound we found.

Vegetable & Mineral Oil Based

Part #	Description
10068	1/2 pint Key-Tite Pipe Dope

NuWell® Acid Pellets



Part #	Description
NEW WELL-1/2 GAL	1/2 gal. Acid Pellets

Brass Check Valves



Part #	Size
300-100	1" FPT
300-125	1-1/4" FPT
300-150	1-1/2" FPT
300-200	2" FPT
300-250	2-1/2" FPT
300-300-F	3" FPT
300-300	3" MPT0

Pressure Relief Valves



Part #	Description
P1500 1/2	1/2" Pressure Relief Valve
P1500 3/4	3/4" Pressure Relief Valve

Stainless Steel Well Points



Part #	Diameter	Length	Slot Size
824X7	1-1/4"	24"	7
824X10	1-1/4"	24"	10
824X12	1-1/4"	24"	12
836X7	1-1/4"	36"	7
836X10	1-1/4"	36"	10
836X12	1-1/4"	36"	12
848X7	1-1/4"	48"	7
848X10	1-1/4"	48"	10
848X12	1-1/4"	48"	12
924X7	2"	24"	7
924X10	2"	24"	10
924X12	2"	24"	12
936X7	2"	36"	7
936X10	2"	36"	10
936X12	2"	36"	12
948X7	2"	48"	7
948X10	2"	48"	10
948X12	2"	48"	12
960X7	2"	60"	7
960X10	2"	60"	10
960X12	2"	60"	12

Drive Couplings



Part #	Size
AAR1-1/4	1-1/4"
AAR2	2"

Self-Priming Centrifugal Pumps



Designed specifically for Residential turf irrigation and draws water from ponds, lakes, streams, or shallow wells.

Features:

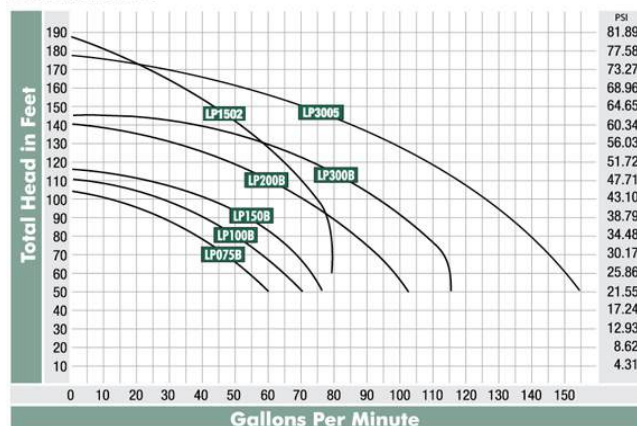
- Brass Impeller
- Silican carbide/carbon seal
- Cast iron body and internal components
- Build in Prime, Drain & Sensor ports
- 1-year warranty



Part #	Horsepower	Suction	Discharge	Voltage	Phase	Weight
LP075B	3/4 HP	2"	1-1/2"	115/230	1	66 lbs.
LP100B	1 HP	2"	1-1/2"	115/230	1	72 lbs.
LP150B	1-1/2 HP	2"	1-1/2"	115/230	1	72 lbs.
LP200B	2 HP	2"	1-1/2"	208/230	1	80 lbs.
LP300B	3 HP	2"	1-1/2"	208	1	94 lbs.
LP1502B	2-1/2 HP	2"	1-1/2"	208/230	1	151 lbs.

*3 Phase pumps are also available (add 3 to the part # - LP075B3)

HORSEPOWER RANGE: 3/4 - 5



Self Priming Centrifugal Pumps



Ideally suited for Residential and Commerical Agricultural irrigation systems where higher flows and pressures are required.



Features:

- Brass Impeller
- Silica carbide/carbon seal
- Cast iron body and internal components
- Built in Check Valve
- 1-year warranty

Medium Head Pumps

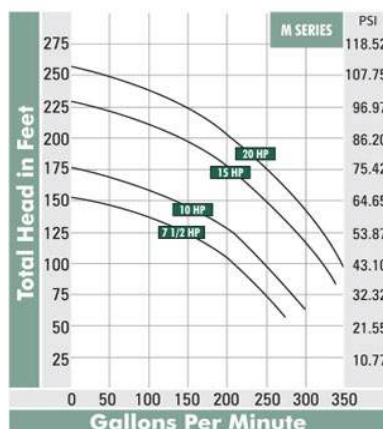
Part #	HP	Suction	Discharge	Voltage	Phase	Weight
MU75MS	7.5	4"	3"	230	1	225 lbs.
MU75MT	7.5	4"	3"	230/460	3	174 lbs.
MU10MS	10	4"	3"	230	1	229 lbs.
MU10MT	10	4"	3"	230/460	3	197 lbs.
MU15MT	15	4"	3"	230/460	3	210 lbs.
MU20MT	20	4"	3"	230/460	3	241 lbs.

High Head Pumps

Part #	HP	Suction	Discharge	Voltage	Phase	Weight
MU75HS	7.5	4"	3"	230	1	225 lbs.
MU75HT	7.5	4"	3"	230/460	3	174 lbs.
MU10HS	10	4"	3"	230	1	229 lbs.
MU10HT	10	4"	3"	230/460	3	197 lbs.
MU15HT	15	4"	3"	230/460	3	210 lbs.

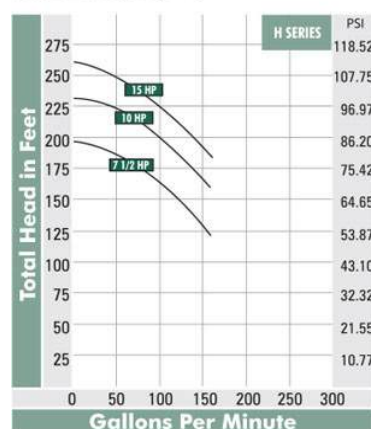
Medium Head Pumps

HORSEPOWER RANGE: 7 1/2 - 20



High Head Pumps

HORSEPOWER RANGE: 7 1/2 - 15



Self-Priming Centrifugal Pumps



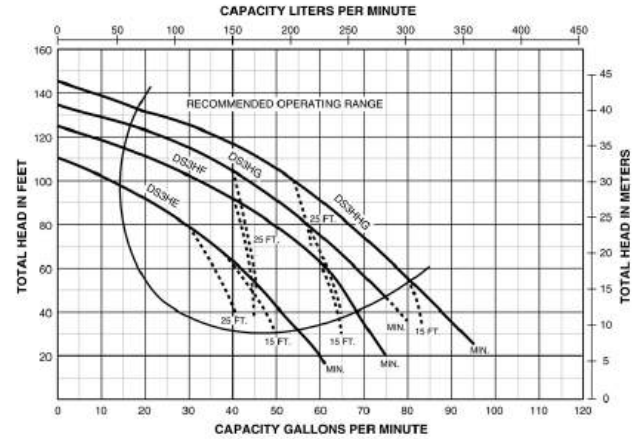
Application:
Lawn sprinkling, light irrigation,
liquid transfer, general dewatering,
and sump drainage

Features:

- Fast priming
- Low-friction Noryl impeller
- Leakproof mechanical seals
- 1-year warranty

Part #	Description	Suction	Discharge	Voltage	Phase	Weight
DS3HE	1 HP High Head	2"	1-1/2"	115/230	1	52 lbs.
DS3HF-01	1-1/2 HP High Head	2"	1-1/2"	115/230	1	58 lbs.
DS3HG-01	2 HP High Head	2"	2"	230	1	83 lbs.
DS3HHG-01	2-1/2 HP High Head	2"	2"	230	1	85 lbs.

*3 Phase pumps are also available



Straight Centrifugal Pumps

Application:
Booster for home, farm, or industrial
watering systems, liquid transfer



Brass impellers and high temp. Shaft seals are available for temperatures up to 225°F

Medium Head Pumps

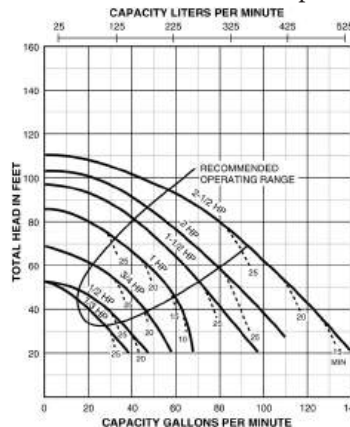
Part #	HP	Suction	Discharge	Voltage	Phase	Weight
JMB	1/3	1-1/4"	1"	115	1	38 lbs.
JMC	1/2	1-1/4"	1"	115/230	1	39 lbs.
JMD	3/4	1-1/4"	1"	115/230	1	42 lbs.
JME	1	1-1/4"	1"	115/230	1	45 lbs.
JMF-40L	1-1/2	1-1/4"	1"	115/230	1	54 lbs.
JMG-41L	2	1-1/2"	1-1/4"	230	1	69 lbs.
JMMG	2-1/2	2"	1-1/2"	230	1	74 lbs.

High Head Pumps

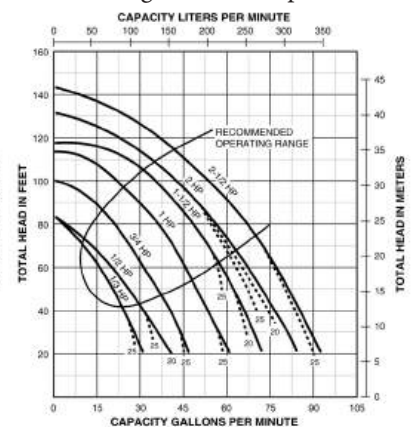
Part #	HP	Suction	Discharge	Voltage	Phase	Weight
JHB	1/3	1-1/4"	1"	115	1	38 lbs.
JHC	1/2	1-1/4"	1"	115/230	1	39 lbs.
JHD	3/4	1-1/4"	1"	115/230	1	42 lbs.
JHE	1	1-1/4"	1"	115/230	1	45 lbs.
JHF-51L	1-1/2	1-1/4"	1"	115/230	1	54 lbs.
JHG-52L	2	1-1/2"	1-1/4"	230	1	69 lbs.
JHHG-53HL	2-1/2	2"	1-1/2"	230	1	74 lbs.

*3 Phase pumps are also available

Medium Head Pumps



High Head Pumps



Self-Priming Centrifugal Pumps



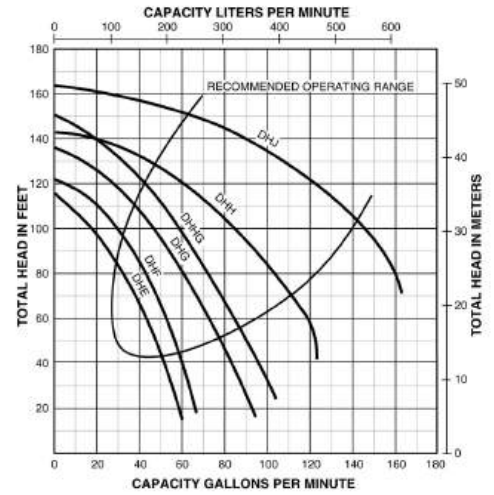
Order suction flange with flap-per check separately.



Application:
Larger lawn sprinkling, field irrigation, liquid transfer, general dewatering, and sump drainage

Features:

- Fast priming
- Bronze impeller on 3HP & 5HP
- Leakproof mechanical seals
- Rugged Design
- 1-year warranty



Package 52	Package 53	Package 72	Package 73
1-1/2" NPT	2" NPT	2-1/2" NPT	3" NPT

*Order suction flange separately

Part #	Description	Suction	Discharge	Voltage	Phase	Weight
DHH-169	3 HP High Head	2-1/2"	2"	115/230	1	144 lbs.
DHH3-169	3 HP High Head	2-1/2"	2"	230/460	3	144 lbs.
DHJ-170	5 HP High Head	2-1/2"	2"	115/230	1	184 lbs.
DHJ3-170	5 HP High Head	2-1/2"	2"	230/460	3	184 lbs.

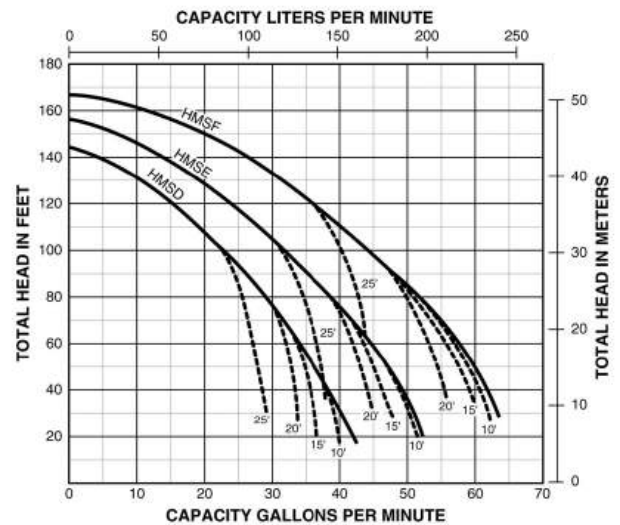
*Medium head pumps also available

*1-1/2 HP, 2 HP, 2-1/2 HP also available

Multi-Stage Jet/Centrifugal Pumps



Application:
Can be used as a shallow well jet, deep well jet, or high pressure self-priming centrifugal



Part #	Description	Suction	Drive	Discharge	Voltage	Phase	Weight
HMSD	3/4 HP - 2 Stage	1-1/4"	1"	1"	115/230	1	50 lbs.
HMSE	1 HP - 2 Stage	1-1/4"	1"	1"	115/230	1	80 lbs.
HMSF-1FL	1-1/2 - 2 Stage	1-1/4"	1"	1"	115/230	1	85 lbs.

*Jet package and pressure regulator are required for deep well installation

Shallow Well Jet Pumps

ProJet™ SN Series



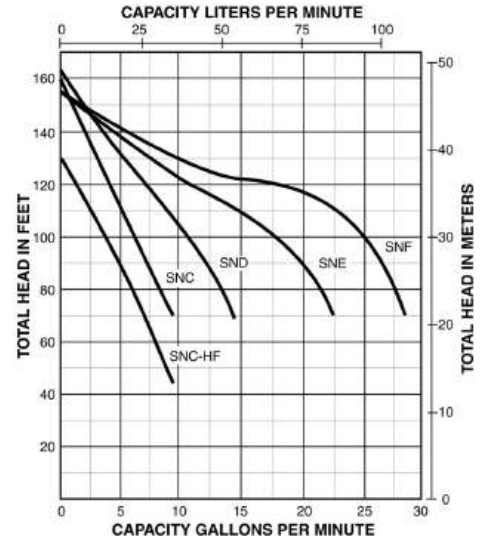
Features:

- Self priming
- Includes 30-50 pressure switch
- Built-in jet with clean cut plug
- Noryl impeller
- 1-year warranty

Application:

Watering systems for homes, farms and cottages. Provides excellent performance and pressure for shallow wells up to 25 feet.

Part #	HP	Suction	Discharge	Voltage	Phase	Weight
SNC-L	1/2	1-1/4"	1"	115/230	1	45 lbs.
SND-L	3/4	1-1/4"	1"	115/230	1	47 lbs.
SNE-L	1	1-1/4"	1"	115/230	1	55 lbs.
SNF-L	1-1/2	1-1/4"	1"	115/230	1	60 lbs.



The Pentair Pro-Storm DSS Series is a self-priming pump that delivers the high-pressure performance without priming problems and delays. Designed for minimal electrical consumption and quiet operation, the DSS meets the high-flow and high-pressure challenges of the following demanding applications:

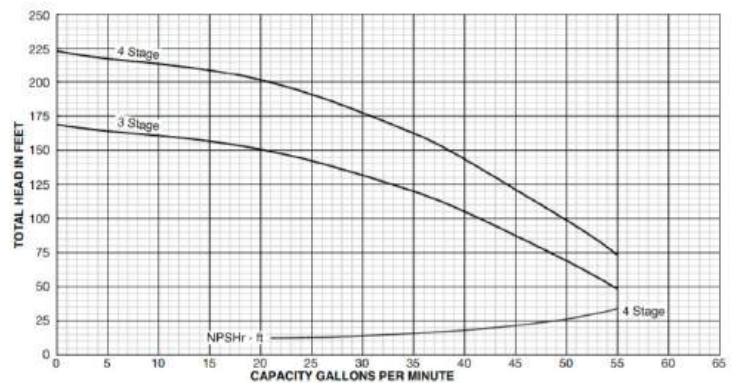
DSS Self-Priming Pro-Series Pump

More Wet, Less Sweat

- Irrigation Systems
- Showering & Washing Systems
- Heating & Air Conditioning Systems
- Water Supply Systems
- Dewatering
- Fountains



Part #	Description	Suction	Discharge	Voltage	Phase
DSS3HG	2 HP - 3 Stage	1-1/4"	1-1/2"	230	1
DSS4HG	2 HP - 4 Stage	1-1/4"	1-1/2"	230	1
DSS3HG3T	2 HP - 3 Stage	1-1/4"	1-1/2"	230/460	3
DSS4HG3T	2 HP - 4 Stage	1-1/4"	1-1/2"	230/460	3



Flux Booster Pump

Inline stainless steel on-demand booster pump will boost your incoming pressure by as much as 30 psi (depending upon flow rate). Perfect for homes or sprinkler systems that just need that extra pressure.



- On-demand operation: Only runs when water is flowing
- Corrosion resistant stainless steel body
- 1/2 or 3/4 HP
- 115 Volt - 1phase
- 1"ft Suction
- 1"ft Discharge



Part #	Description
FBSMS05-15G30P	1/2 HP Flux Booster Pump - 115V - 15gpm@30psi
FBSMS07-25G30P	3/4 HP Flux Booster Pump - 115V - 25gpm@30psi

Banjo Polypropylene Self-Priming Pumps



- Precision Molded
- Corrosion Resistant
- Low Maintenance
- Lightweight
- Superior Design

Irrigation, Liquid Transfer, Dewatering, Emergency Fire or Flood Backup



Part #	Description
200P6PRO	Banjo Polypropylene Pump - 6.5 HP Engine Drive

Well-X-Trol Pressure Tanks

Amtrol invented the first pre-pressurized well tank over 60 years ago as a better solution to traditional air-over-water tanks. This revolutionary product featured an innovative design that uses a hoop ring and groove to lock the diaphragm, liner and shell together. Today, Well-X-Trol is still the standard of the industry with many unique features including high strength steel to deliver 150 PSIG working pressure, patented Turbulator® water circulator device and patent pending antimicrobial liner that neutralizes bacteria on contact. Well-X-Trol is the world's most trusted brand of well tanks, backed by an industry leading 7-year limited warranty.



Features:

- Highest working pressure - 150 PSIG
- Strong tank design featuring deep drawn steel and multi-dome construction
- Thick diaphragm - heavy duty Butyl
- Tough indoor/outdoor coating
- Patented water circulation device
- Patented antimicrobial liner to neutralize bacteria on contact
- Longest warranty - 7 years

Part #	Description	Capacity(Max)
WX-101	8"D x 13"H x 3/4"mpt	2 gal.
WX-102	11"D x 15"H x 3/4"mpt	5 gal.
WX-103	11"D x 20"H x 3/4"mpt	7 gal.
WX-201	15"D x 25"H x 1"mpt	14 gal.
WX-202	15"D x 32"H x 1"mpt	20 gal.
WX-202-UG	15"Dx32"Hx1" Underground	20 gal.
WX-203	15"D x 47"H x 1"mpt	32 gal.
WX-250	22"D x 36"H x 1-1/4"mpt	44 gal.
WX-302	26"D x 47"H x 1-1/4"mpt	86 gal.
WX-350	26"D x 62"H x 1-1/4"mpt	119 gal.

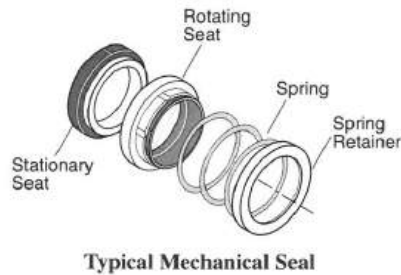
Please contact us to help you select the correct size pressure tank



Pump Type	Capacities	Description	Head	Horsepower	Material of Construction
Electric Motor Mount	Up to 5000 gpm	Back Pull-Out Construction Mechanical Shaft Seal or Packing	Up to 500 ft.	Up to 250 HP	All Iron or Bronze Fitted
Frame Mount	Up to 5400 gpm	Back Pull-Out Construction Mechanical Shaft Seal or Packing	Up to 485 ft.	Up to 250 HP	All Iron or Bronze Fitted
Air-Cooled Engine Mount	Up to 800 gpm	Close-Coupled Mechanical Seal	Up to 320 ft.	Up to 30 HP	Cast Iron and Die-Cast Aluminum
SAE Engine Mount	Up to 5500 gpm	Back Pull-Out Construction Mechanical Shaft Seal or Packing	Up to 550 ft.	Up to 235 HP	All Iron or Bronze Fitted
Self Priming Centrifugal	Up to 760 gpm	Back Pull-Out Construction Mechanical Shaft Seal or Packing	Up to 480 ft.	Up to 30 HP	Cast Iron Semi-Open Impellers
6A Series Submersible	Up to 130 gpm	Vertical Deep Well Pump 6" and Larger Casting	Up to 1740 ft.	Up to 30 HP	Stainless Steel & Silicon Bronze
TP Series Submersible	Up to 400 gpm	Vertical Deep Well Pump 6" and Larger Casting	Up to 1300 ft.	Up to 60 HP	Cast Iron
T Series Submersible	Up to 2200 gpm	Vertical Deep Well Pump 6" and Larger Casting	Up to 1350 ft.	Up to 250 HP	Cast Iron

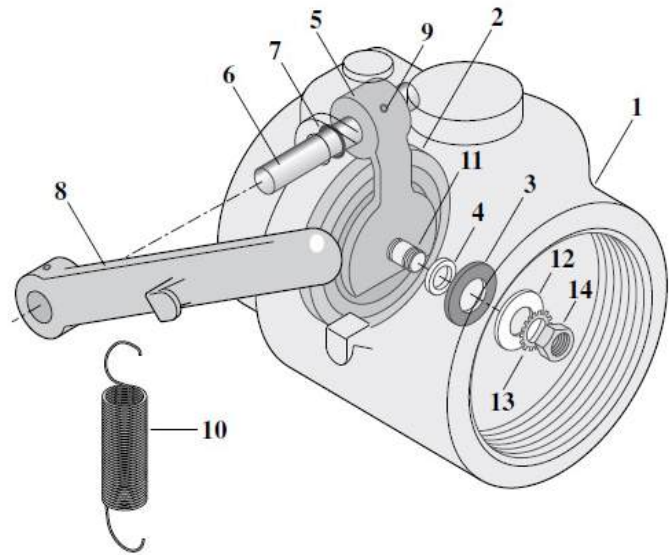


Berkeley Mechanical Seals



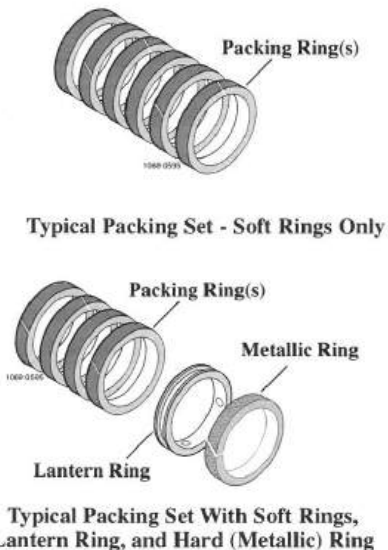
SEAL		SLEEVE	
Part #	Description	Part #	Description
S32690	1-1/8" Type 21 Short	S39242	7/8"ID x 1-1/8"OD
S32689	1-1/8" Type 21 Long	S05127	7/8"ID x 1-1/8"OD
S33693	1-7/8" Type 21 Long	S05974	1-1/2"ID x 1-7/8"OD
S33694	1-7/8" Type 21 Long	S33429	1-1/2"ID x 1-7/8"OD
S32013	1-1/4" Type 21 Long	S00619	1"ID x 1-1/4"OD
S32014	1-1/4" Type 21 Short	S19310	1"ID x 1-1/4"OD
S32015	1-3/4" Type 21 Short	S18869	1-3/8"ID x 1-3/4"OD
M10227	1-3/4" Type 2	S18869	1-3/8"ID x 1-3/4"OD
S32016	2-1/8" Type 21 Long	S07073	1-3/4"ID x 2-1/8"OD
S39264	2-1/8" Type 21 Long	M09669	1-3/4"ID x 2-1/8"OD
S32697	2-3/4" Type 21	S29517	2-1/4"ID x 2-3/4"OD
S30320	2-1/2" Type 2	S19499	2-3/16"ID x 2-1/2"OD

Discharge Prime Valve Parts



Item #	Description	3x4	4x4	5x5	6x6
		B05923	B05924	B05925	B05926
1	Valve Body	L03671	L03665	H02203	H02200
2	Clack	S13414	S13404	S13403	S13393
3	Grommet	S13677	S13677	S13677	S13677
4	Spacer	S13412	S13412	S13412	S13412
5,6,7	Clack, Hinge, Shaft, & Handle Assembly	B06142	B06143	B06144	B06145
8	O-ring	S13755	S13755	S13755	S13755
9	Spring Pin	S13676	S13676	S13676	S13676
10	Spring	S13679	S14026	S14026	S14026
11	Stud	S16899	S16899	S16899	S16899
12	Flat washer	S23050	S23050	S23050	S23050
13	External tooth washer	S23036	S23036	S23036	S23036

Berkeley Packing Seals



Packing Set Part #	No. of Soft Rings	Metallic Ring	Ring Size
S14022	6	None	1-1/8"ID x 1-5/8"OD x 1/4"Thick
S14109	5	None	1-1/4"ID x 1-7/8"OD x 5/16"Thick
S13469	6	None	1-1/4"ID x 1-7/8"OD x 5/16"Thick
S15094	7	None	1-1/4"ID x 1-7/8"OD x 5/16"Thick
S13435	4	S11092	1-3/4"ID x 2-1/2"OD x 3/8"Thick
S13470	6	None	1-3/4"ID x 2-1/2"OD x 3/8"Thick
S14023	6	None	1-7/8"ID x 2-5/8"OD x 3/8"Thick
S13436	4	S13434	1-7/8"ID x 2-5/8"OD x 3/8"Thick
S13437	4	S11093	2-1/8"ID x 2-7/8"OD x 3/8"Thick
S13444	5	S11093	2-1/8"ID x 2-7/8"OD x 3/8"Thick
S16448	5	S14327	2-3/4"ID x 3-3/4"OD x 1/2"Thick

Hard ring comes as part of set when required
Lantern Ring sold separately from Packing Set

Centrifugal Pumps



Caprari PTO pumps are designed to suit all types of Irrigation systems. Pumps are supplied with cart, PTO shaft, discharge prime valve, and flanged ends. The fully fitted option includes a hand primer, pressure gauge, and suction adapter.



Model #	GPM Range	PSI Range	Horsepower	Discharge	Suction
D2/40	50-150	133-146	13-21	2"	2"
D1/50	50-300	76-90	9-19	2"	3"
D2/50	50-250	121-135	17-27	2"	3"
D3/50	70-300	133-170	24-41	2"	3"
D2/65	100-450	97-107	18-36	4"	4"
D3/65	150-500	136-161	29-55	4"	4"
D2/80	200-700	99-110	28-51	4"	5"
D04/80	200-700	143-167	44-84	4"	5"
DMR80-3/2	200-800	140-192	50-90	4"	5"



The Cornell Pump Company manufactures pumps for a wide variety of markets, addressing some of the most challenging of applications. Cornell's 70+ year history has made it the premier choice. Cornell's basic values are unmatched performance, robust design, global support and an in depth understanding of our customers needs. Call Spring Brook to Size a correct pump for you.

**Clear Liquid Pumps - Cutter Pumps - HydroTransport Pumps
Refrigeration Pumps - Self Priming Pumps - Solids Handling**



4HH Electric Close Coupled



3STX Self Priming



N Series Solid Handling

Available in Close-Coupled, SAE Engine Mounted, Horizontal, and Vertical configurations



The Pump People

When you specify Gorman-Rupp, you benefit from worldwide service centers, knowledgeable engineers, and a selection of nearly 3,000 pumps. Gorman-Rupp has been manufacturing pumps and pumping systems since 1933. Many innovations of Gorman-Rupp have become the standard in the industry.

**Self Priming - Straight Centrifugal
Submersible - Rotary - Diaphragm
Booster Stations - Prime Assisted**



6500 Straight Centrifugal



Super T series Self Priming

Pump applications include Irrigation, Trash, Solids/Dirty Fluid, High Viscosity, and High Pressure



616-396-1956
info@springbrooksupply.com



Spring Brook Supply will size a Cummins, John Deere, Kubota, or JCB diesel pump station to fit your exact needs. Choose between a trailered or stationary unit. Whether you need high pressure, low pressure, or anywhere in between, we have units available for every situation.

Pump Heads By:



Standard Features

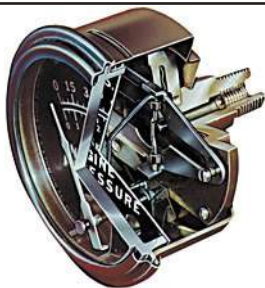


This Swichgage panel is specifically configured for irrigation engines and includes loss of pump discharge pressure Swichgage instrument. The panel is enclosed on top, bottom, and both ends.

Mounting flanges extend on top and bottom. Panel includes a low oil pressure, high coolant temperature, and low pump pressure Swichgage, as well as a Magnetic Switch and emergency stop button.



TATTLETALE® annunciators and Magnetic Switches are the nerve centers that translate SWICHGAGE® contact operations into decisions and operate the alarm or shutdown device. TATTLETALE® annunciators indicate which monitored function failed leading to the alarm or shutdown whereas magnetic switches do not.



The 20 Series pressure SWICHGAGE® models are diaphragm-actuated, pressure-indicating gages, with built-in electrical switches. These switches are used for tripping alarms and/or shutdown devices. Ranges are available from 0-15 psi thru 0-400 psi. Use for engine oil, air, fuel, coolant, etc.

Gauges & Switches vary from machine to machine. Speak with a Spring Brook representative today to troubleshoot or identify the specific components to your equipment.

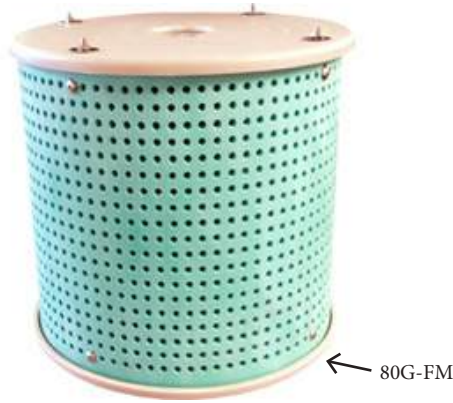
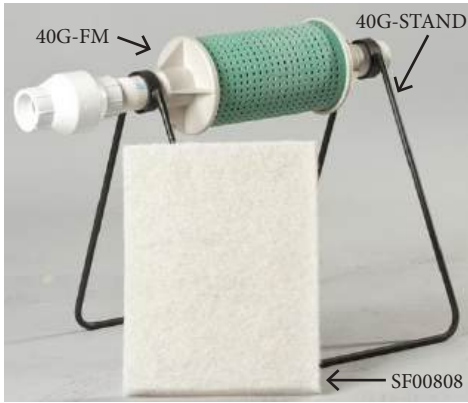


The 20 Series Temperature Swichgage models are diaphragm-actuated, temperature-indicating gages, with built-in electrical switches for tripping alarms and/or shutdown devices.

These vapor actuated gages feature a sealed capillary tube and a sensing bulb. When subjected to heat, the liquid in the sensing bulb changes to vapor creating pressure against the diaphragm mechanism. The diaphragm translates this vapor pressure into a mechanical gage reading.

Suction Filters

Big Foot Suction Filters



Part #	Description
40G-FM	40G w/ Filter Media
40G-STAND	Stand Only - 40G
80G-FM	80G w/ Filter Media
SF00808	Filter Media Only - 40G
SF00809	Filter Media Only - 80G

Slotted PVC Screens & Points

Part #	Description	Size
PWS1604084PEXPT	Point x Plain End	2" x 4' x 8 Slot
PWS1604104PEXPT	Point x Plain End	2" x 4' x 10 Slot
PWS1604154PEXPT	Point x Plain End	2" x 4' x 15 Slot
PWS1604184PEXPT	Point x Plain End	2" x 4' x 18 Slot
PWS2404084PEXPE	Plain End x Plain End	3" x 4' x 8 Slot
PWS3204104PEXPE	Plain End x Plain End	4" x 4' x 10 Slot
PWS3204184PEXPE	Plain End x Plain End	4" x 4' x 18 Slot
PWS4804184PEXPE	Plain End x Plain End	6" x 4' x 18 Slot

Intake Area Per Foot - 1/8" Slot Spacing

Pipe Size	Slot Rows	.008	.010	.012	.015	.018	.020	.025	.028	.040	.060	.125
1"	3	1.73	2.16	2.59	3.14	3.68	4.09	5.00	5.48	6.93	-	-
1-1/4"	3	1.73	2.16	2.59	3.14	3.68	4.09	5.00	5.48	6.93	-	-
1-1/2"	4	3.01	3.76	4.51	5.52	6.48	7.20	8.80	9.63	12.16	15.36	-
2"	4	3.01	3.76	4.51	5.52	6.48	7.20	8.80	9.63	12.16	15.36	23.00
3"	6	4.51	5.64	6.77	8.28	9.72	10.80	13.20	14.45	18.24	23.04	34.50
4"	6	4.51	5.64	6.77	8.28	9.72	10.80	13.20	14.45	18.24	23.04	34.50
5"	8	-	7.52	9.02	11.04	12.96	14.40	17.60	19.26	24.32	30.72	46.00
6"	8	-	7.52	9.02	11.04	12.96	14.40	17.60	19.26	24.32	30.72	46.00
8"	8	-	-	-	11.04	12.96	14.40	17.60	19.26	24.32	30.72	46.00
10"	10	-	-	-	13.08	16.20	18.00	22.00	24.08	30.40	38.40	57.50

*Table data based using Schedule 40 PVC



RIVERSCREEN™

- Screen drum measuring from 16" x 24" up to 32" x 48"
- Sturdy aluminum frame
- Aluminum pontoons
- 4", 6", 8", 10", or 12" models available

The Riverscreen™ is a rotating, water-driven, self-cleaning screen that dependably delivers good water from depths as low as 4 inches.

Pump Primers

Protek Diaphragm Primers

- Quick hand priming of any type of centrifugal pump
- Provides up to 20 ft. of suction lift with ease
- Long lasting reinforced diaphragm



Part Name	DP5 Part #	DP7 Part #	DP9 Part #
Complete	DP5	DP7	DP9-SPR
Lower Housing	D0055	D0059	D0062
Check Valve	D0339	D0004	D0004
Valve Bushing	D0300		
Drain Cock	D0340	D0340	D0340
Upper Housing	D0056	D0060	D0063
Bolt & Nut			
Diaphragm	D0054	D0058	D0061
Diaphragm Plate	D0303 (2)		
Lock Washer			
Washer			
Hex Nut			
Connecting Rod	D0127	D0127	D0127
Locknut	D0002	D0003	D0003
Fulcrum Bracket	D0057	D0001	D0001
Handle & Bracket	D0047	D0047	D0047
Handle Only	D0094	D0094	D0094
Fast Pin(Short)	D0364 (2)	D0364	D0364
Fast Pin(Long)		D0347	D0347
Fulcrum Link		D0129	D0129
Thumb Screw			
Handle Bracket Only	D0093	D0093	D0093

Protek Diaphragm Hand Pump



- Complete, portable de-watering unit
- Pump air, water, sewage, mud, and many chemical products
- Prime large pumps

Part Name	HP700 Part #	HP900 Part #
Complete	HP700	HP900
Pump Body	H0701	H0901
Fulcrum Pin	H0902	H0902
Retainer Ring	H0703	H0903
Fulcrum	H0704	H0904
Suction Flange	H0705	H0905
Discharge Flange	H0706	H0906
Diaphragm Assembly	H0707	H0907
Diaphragm	H0707C	H0907C
Diaphragm Plate	H0709SS	H0907SS
Connecting Rod Pin	D0347	D0347
Discharge Valve	H0710	H0710
Handle	H0912	H0912
Wood Base	H0913	H0913
Suction Valve	H0714	H0710

Cadman 12 Volt Power Primer



- High Volume Priming Pump
- Heavy-Duty 12V Motor
- Long-Life Vanes
- Easily installed on either PTO or Stationary Pumps

Prime your pump in less than a minute!

Portable Primer Pack comes assembled on a carrying frame containing a built in battery mount (12V battery not included). Primer Kit comes unassembled and includes: Pump, Motor, Solenoid, Lubricator, Hose & Fittings, Activation Switch & Valve, Wiring Harness, Suction Hose & Hardware.



Part Number	Description
IR-PMR-CP12VKIT	Portable 12V Primer Pack - Assembled
IR-PMR-C12VKIT	12V Primer Kit - Unassembled
IR-PMR-0030-003	Pump Only
IR-PMR-0030-004	Pump, Motor & Solenoid Assembly
IR-PMR-0030-010	Motor & Solenoid Only
IR-PMR-0030-012	Front Endplate
IR-PMR-0030-015	Retaining Ring
IR-PMR-0030-014	Bearing
IR-PMR-0030-006	Housing
IR-PMR-0030-009	Rotor
IR-PMR-0030-011	Vane
IR-PMR-0030-016	Machine Screw
IR-PMR-0030-017	Expansion Plug
IR-PMR-0030-013	Rear Endplate
IR-PMR-0030-019	Solenoid Only
IR-PMR-0030-018	Lubricator Kit
IR-PMR-0030-021	Valve C/W Switch
IR-PMR-0030-020	Switch Only
IR-PMR-0030-023	Lubricator Bottle & Cap Only
IR-PMR-0030-027	Seal - Pump Shaft

Sure-Flo Fittings

Vertical Foot Valves



O.D. Tubing

Part Number	Size
SFVV3	3" O.D. Tube
SFVV4	4" O.D. Tube
SFVV5	5" O.D. Tube
SFVV6	6" O.D. Tube
SFVV8	8" O.D. Tube
SFVV10	10" O.D. Tube

Female Pipe Thread

Part Number	Size
SFVV3FP	3" FPT
SFVV4FP	4" FPT
SFVV5FP	5" FPT
SFVV6FP	6" FPT
SFVV8FP	8" FPT
SFVV10FP	10" FPT

45° Foot Valves



O.D. Tubing

Part Number	Size
SFV3	3" O.D. Tube
SFV4	4" O.D. Tube
SFV5	5" O.D. Tube
SFV6	6" O.D. Tube
SFV8	8" O.D. Tube
SFV10	10" O.D. Tube

Female Pipe Thread

Part Number	Size
SFV3FP	3" FPT
SFV4FP	4" FPT
SFV5FP	5" FPT
SFV6FP	6" FPT
SFV8FP	8" FPT
SFV10FP	10" FPT

Horizontal Strainers



Part Number	Size
SFSHV4	4"
SFSHV6	6"
SFSHV8	8"
SFSHV10	10"

Self-Cleaning Strainers



Part Number	Size
SCS2	2"
SCS3	3"
SCS4	4"
SCS6	6"
SCS8	8"
SCS10	10"

Suction Adapters



Part Number	MIPT	OD Tubing
SFA152	1-1/2"	2"
SFA22	2"	2"
SFA23	2"	3"
SFA253	2-1/2"	3"
SFA33	3"	3"
SFA24	2"	4"
SFA254	2-1/2"	4"
SFA34	3"	4"
SFA44	4"	4"
SFA35	3"	5"
SFA45	4"	5"
SFA55	5"	5"
SFA36	3"	6"
SFA46	4"	6"
SFA56	5"	6"
SFA66	6"	6"
SFA48	4"	8"
SFA58	5"	8"
SFA68	6"	8"
SFA88	8"	8"
SFA610	6"	10"
SFA810	8"	10"
SFA1010	10"	10"

Suction Strainers



Part Number	Size
SFS3	3"
SFS4	4"
SFS5	5"
SFS6	6"
SFS8	8"
SFS10	10"

Suction Couplers



Part Number	Size
SFC3	3"
SFC4	4"
SFC5	5"
SFC6	6"
SFC8	8"
SFC10	10"

45° Suction Elbows



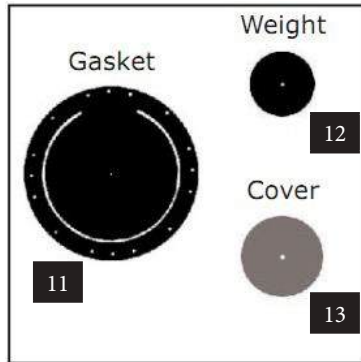
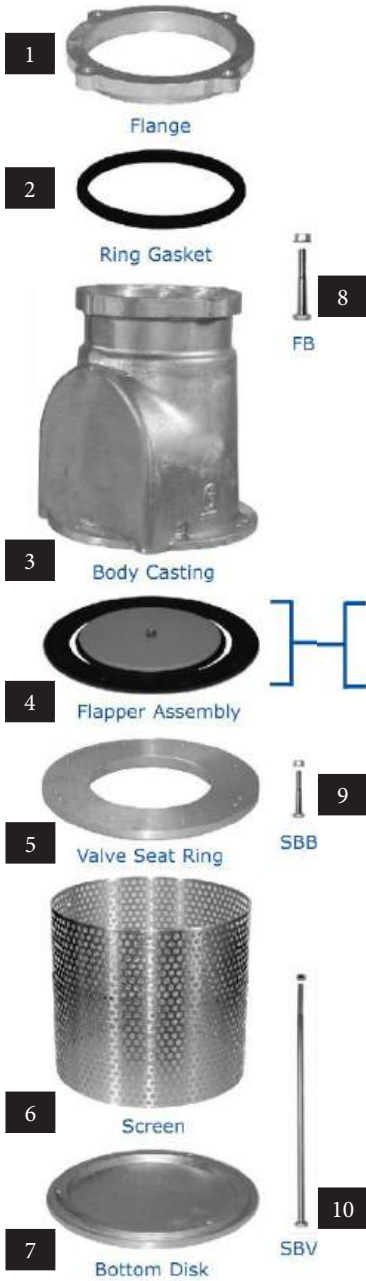
Part Number	Size
SFE43	3"
SFE44	4"
SFE45	5"
SFE46	6"
SFE48	8"
SFE410	10"

90° Suction Elbows



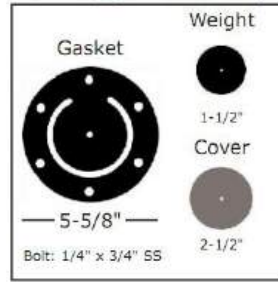
Part Number	Size
SFE93	3"
SFE94	4"
SFE95	5"
SFE96	6"
SFE98	8"
SFE910	10"

Sure-Flo Fittings

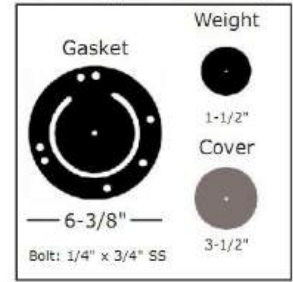


For a complete listing of Sure-Flo products, visit:
www.sure-flo.com

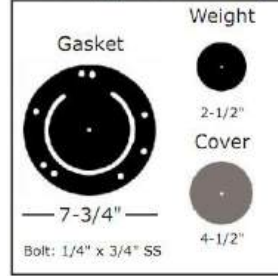
2" Flapper Assembly



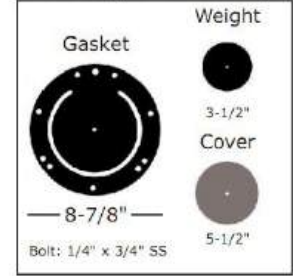
3" Flapper Assembly



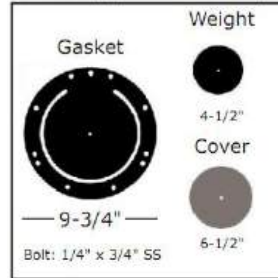
4" Flapper Assembly



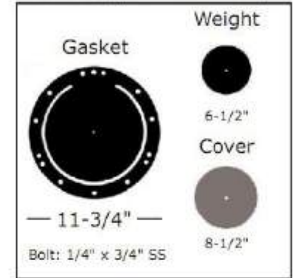
5" Flapper Assembly



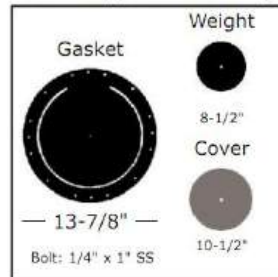
6" Flapper Assembly



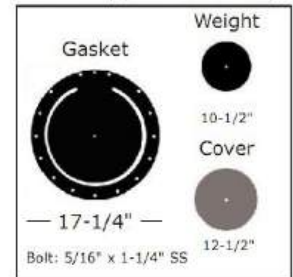
8" Flapper Assembly



10" Flapper Assembly



12" Flapper Assembly



Item	Part Name	2"	3"	4"	5"	6"	8"	10"	12"
1	Flange	F2	F3	F4	F5	F6	F8	F10	F12
2	Ring Gasket	RG2	RG3	RG4	RG5	RG6	RG8	RG10	RG12
3	Body (Vertical)	BODYVV2	BODYVV3	BODYVV4	BODYVV5	BODYVV6	BODYVV8	BODYVV10	BODYVV12
	Body (45° - Not Shown)	BODYV2	BODYV3	BODYV4	BODYV5	BODYV6	BODYV8	BODYV10	BODYV12
4	Flapper Assembly	VFG2A	VFG3A	VFG4A	VFG5A	VFG6A	VFG8A	VFG10A	VFG12A
5	Valve Seat Ring	VSR2	VSR3	VSR4	VSR5	VSR6	VSR8	VSR10	VSR12
6	Screen	SOV2	SOV3	SOV4	SOV5	SOV6	SOV8	SOV10	SOV12
7	Bottom Disc	BDV2	BDV3	BDV4	BDV5	BDV6	BDV8	BDV10	BDV12
8	Flange Nut & Bolt	FB2	FB3	FB4	FB5	FB6	FB8	FB10	FB12
9	Seat Nut & Bolt	SBB2	SBB3	SBB4	SBB5	SBB6	SBB8	SBB10	SBB12
10	Screen Nut & Bolt	SBV2	SBV3	SBV4	SBV5	SBV6	SBV8	SBV10	SBV12
11	Flapper Gasket	VFG2	VFG3	VFG4	VFG5	VFG6	VFG8	VFG10	VFG12
12	Flapper Weight	VFW2	VFW3	VFW4	VFW5	VFW6	VFW8	VFW10	VFW12
13	Flapper Cover	VFC2	VFC3	VFC4	VFC5	VFC6	VFC8	VFC10	VFC12



NSF - Safe for Drinking water

Part Number	Description
FLOH075X100B	3/4" x 100' - 100# NSF
FLOH075X400B	3/4" x 400' - 100# NSF
FLOH1X100B	1" x 100' - 100# NSF
FLOH1X300B	1" x 300' - 100# NSF
FLOH125X100B	1-1/4" x 100' - 100# NSF
FLOH125X300B	1-1/4" x 300' - 100# NSF
FLOH150X100B	1-1/2" x 100' - 100# NSF
FLOH150X250B	1-1/2" x 250' - 100# NSF
FLOH200X100B	2" x 100' - 100# NSF

Poly Pipe



Non NSF - Not safe for drinking

Part Number	Description
FLEX075X100B	3/4" x 100' - 100# Non NSF
FLEX075X400B	3/4" x 400' - 100# Non NSF
FLEX1X100B	1" x 100' - 100# Non NSF
FLEX1X300B	1" x 300' - 100# Non NSF
FLEX125X100B	1-1/4" x 100' - 100# Non NSF
FLEX125X300B	1-1/4" x 300' - 100# Non NSF
FLEX150X100B	1-1/2" x 100' - 100# Non NSF
FLEX150X250B	1-1/2" x 250' - 100# Non NSF
FLEX200X100B	2" x 100' - 100# Non NSF

PVC Pipe



Schedule 40
Belled End

SDR-21 Class 200
Belled End

SDR-26 Class 160
Belled End

SDR-26 Class 160
Gasket End

Part Number	Part Number	Part Number	Part Number
1/2IN PVC 40	1/2IN PVC	1-1/4IN PVC	3IN PVC GASKET
3/4IN PVC 40	3/4IN PVC	1-1/2IN PVC	4IN PVC GASKET
1IN PVC 40	1IN PVC	2IN PVC	6IN PVC GASKET
1-1/4IN PVC 40		2-1/2IN PVC	8IN PVC GASKET
1-1/2IN PVC 40		3IN PVC	10IN PVC GASKET
2IN PVC 40		4IN PVC	12IN PVC GASKET
2-1/2IN PVC 40			
3IN PVC 40			
4IN PVC 40			

*PVC Pipe is stocked in the standard 20' sections.

Flexible PVC Pipe is made in the USA from virgin materials ensuring the highest quality

Flex PVC

Part Number	Description
BT5	1/2" x 25' roll
BT50	1/2" x 50' roll
BT7	3/4" x 25' roll
BT75	3/4" x 50' roll
BT10	1" x 25' roll
BT 100	1" x 50' roll
BT 12	1-1/4"x25' roll
BT125	1-1/4"x50' roll
BT15	1-1/2"x25' roll
BT150	1-1/2"x50' roll
BT20	2"x25'roll
BT200	2"x50'roll

- Very flexible
- Available in 1/2" thru 6"
- Glues into Sch40 fittings
- No special glue required
- Temp range -10°F to 130°F
- Eliminates back pressure caused by additional fittings to make sharp turns
- Rolls up to 2" can be shipped UPS otherwise shipped via motor freight



**Premium
Pond Flex**





Spears manufactures professional grade solvent cements and primers developed for plumbing contractors. Spears also offers a full assortment of daubers, swabs, rollers, brushes, cans, and accessories.



PVC Solvent Cements

Part Number	Description	Size
PVC05C-020	Clear Med. Bodied	Pint
PVC05C-030	Clear Med. Bodied	Quart
PVC11G-030	Grey Heavy Bodied	Quart
PVC25B-005	Blue Wet 'R Dry	1/4 Pint
PVC25B-010	Blue Wet 'R Dry	1/2 Pint
PVC25B-020	Blue Wet 'R Dry	Pint
PVC25B-030	Blue Wet 'R Dry	Quart
PVC25B-040	Blue Wet 'R Dry	Gallon
PVC27C-020	Hot 'R Cold	Quart

PVC Primers

Part Number	Description	Size
PRIM68C-020	P68 Clear Primer	Pint
PRIM68C-030	P68 Clear Primer	Quart
PRIM68P-005	P68 Purple Primer	1/4 Pint
PRIM68P-020	P68 Purple Primer	Pint
PRIM68P-030	P68 Purple Primer	Quart
PRIM75B-020	P70 AquaBlue Primer-Wet'N'Dry	Pint
PRIM 75B-030	P70 AquaBlue Primer-Wet'N'Dry	Quart



Quick Patch is a revolutionary product for doing instant repairs on most hard surfaces. A one of a kind unique repair patch that uses UV light to transform it into a hard patch which you can sand, paint, or drill within 10 minutes.

Simply Peel It and Seal It.

Part Number	Description
QPAT-2X3	Quick Patch - 2" x 3"
QPAT-4X6	Quick Patch - 3" x 6"
QPAT-6x9	Quick Patch - 6" x 9"
QPAT-9x12	Quick Patch - 9" x 12"



Spears swabs and rollers: 4" application roller for pipe diameters from 3" through 8". Fits standard quart size

Part Number	Description	Size
10068	Key-Tite Joint Compound	1/2 Pint
PIPE LUBE	Gasket Pipe Lube	Quart
5020	4" Application Swab	-
6020	4" Application Roller	-

Mr. Sticky's PREMIUM ADHESIVES

GLUE THAT WORKS... THE FIRST TIME!



An amazing adhesive that can actually be applied underwater! It bonds well to plastics such as PVC and ABS as well as traditional materials such as Tile, Concrete, Fiberglass, Rubber, Wood and Metal. This adhesive is popular amongst the Pool & Spa, Marine, Pond, Irrigation and Plumbing industries. If it sticks underwater... It will bond almost anywhere!

Part Number	Description
MR STICKY	2-Part Underwater Glue

Pipe Wrenches



Part #	Length	Weight	Max Pipe Size
RW6	6"	0.4 lbs	3/4"
RW8	8"	0.8 lbs	1"
RW10	10"	1.8 lbs	1-1/2"
RW12	12"	2.6 lbs	2"
RW14	14"	3.6 lbs	2"
RW18	18"	5.8 lbs	2-1/2"
RW24	24"	9.4 lbs	3"
RW36	36"	18.8 lbs	5"
RW48	48"	34 lbs	6"

Aluminum Pipe Wrenches



Part #	Length	Weight	Max Pipe Size
ARW10	10"	1.1 lbs	1-1/2"
ARW14	14"	2.3 lbs	2"
ARW18	18"	3.1 lbs	2-1/2"
ARW24	24"	5.7 lbs	3"
ARW36	36"	10.9 lbs	5"
ARW48	48"	18 lbs	6"

Chain Wrenches



Part #	Length	Weight	Pipe Size
WA14	14"	3.2 lbs	1/8" - 2"
WA18	18"	6.0 lbs	1/4" - 2-1/2"
WA24	24"	8.4 lbs	1/4" - 3"
WA36	33"	16.4 lbs	1/2" - 4-1/2"
WA48	44"	29.4 lbs	1" - 6"
WA72	46"	80.0 lbs	2-1/2" - 12"

Strap Wrenches



Part #	Length	Weight	Pipe Size
SW12A	12"	1.6 lbs	1/8" - 2"
SW18A	18"	2.6 lbs	1" - 5"
SW24A	24"	5.1 lbs	2" - 12"

Plastic Pipe Shears



Part #	Capacity
RS1	1-1/4"
RS2	2"

Replacement Blades

Part #	Capacity
RS1B	1-1/4"
RS2B	2"

Plastic Pipe Saws



Part #	Length
PPS12	12"
PPS18	18"

Replacement Blades

Part #	Length
PPS12B	12"
PPS18B	18"

Torque Wrenches



Part #	Description
TW516	5/16" Ratcheting Torque Wrench



Hack Saws



Part #	Description
HK1228	High Tension Hack Saw



All Reed Hand Tools Come With A Lifetime Warranty

Long Handle Tools



**SEYMOUR
MIDWEST**



Part #	Description	Handle Type
49150	Round Point Shovel 16 Gauge #2 48"	Hardwood
49450	Round Point Shovel 16 Gauge #2 48"	Fiberglass
49640	Round Point Shovel 16 Gauge #2 48"	Polymer w Fiber core
89123	3" Trenching Shovel 11 Gauge 48"	Fiberglass
89124	4" Trenching Shovel 11 Gauge 48"	Fiberglass
89125	5" Trenching Shovel 11 Gauge 48"	Fiberglass
89126	6" Trenching Shovel 11 Gauge 48"	Fiberglass
82014	24" Push Broom Medium Bristles	Fiberglass
40880	8" Poly Shrub Rake 42"	Wood
40882	24" Poly Leaf Rake 54"	Wood
40884	32" Poly Leaf Rake 48"	Wood
10036	36" Landscape Rake	Aluminum
85424	4" Sprinkler Head Trimmer 33"	Steel
85426	6" Sprinkler Head Trimmer 33"	Steel
85068	8" x 8" Dirt Tamper 52"	Steel
85487	2" Square Nut Operating Wrench 60	Steel
85482	Sprinkler Key 30" Hand grip	Steel
85483	Sprinkler Key 54" T-Handle	Steel
85462	48" Soil Probe - Steel tip	Steel
85465	48" Soil Probe - Cast metal tip	Fiberglass

Pro-Span Repair Couplings



Features:

- **Grip-Lock:** Flo Control's patented "locking" feature allows the use of the body as a handle to glue both ends of the repair coupling onto the broken pipe. No other repair coupling allows the use of the body to glue both joints.
- **Easy Grip:** Positive grip for wet and muddy hands. Easier to twist while pushing or pulling when gluing. This is now the best grip of any repair coupling available.



Part Number	Size
118-05	1/2"
118-07	3/4"
118-10	1"
118-12	1-1/4"
118-15	1-1/2"
118-20	2"
118-25	2-1/2"
118-30	3"
118-40	4"

PVC Compression Couplings



Part Number	Size
SC29-005	1/2"
SC29-007	3/4"
SC29-010	1"
SC29-012	1-1/4"
SC29-015	1-1/2"
SC29-020	2"
SC29-025	2-1/2"
SC29-030	3"
SC29-040	4"
SC29-060	6"

PVC Check Valves

Spring Check Valves



Part Number		Size
Solvent Weld	Threaded (FPT)	
1011-05	1001-05	1/2"
1011-07	1001-07	3/4"
1011-10	1001-10	1"
1011-12	1001-12	1-1/4"
1011-15	1001-150	1-1/2"
1011-20	1001-20	2"

*Spring check valves rated up to 200psi @ 72F

Swing Check Valves

Part Number		Size
Solvent Weld	Threaded (FPT)	
1520-10	1520-10F	1"
1520-12	1520-12F	1-1/4"
1520-15	1520-15F	1-1/2"
1520-20	1520-20F	2"
1520-30	N/A	3"
1520-40	N/A	4"

*Swing check valves rated up to 125psi @ 72F

PVC Saddle Tees



Part Number		Size
Solvent Outlet	Threaded Outlet	
453015	443015	3" x 3" x 1-1/2"
453020	443020	3" x 3" x 2"
454015	444015	4" x 4" x 1-1/2"
454020	444020	4" x 4" x 2"
456015	446015	6" x 6" x 1-1/2"
456020	446020	6" x 6" x 2"
458015	448015	8" x 8" x 1-1/2"
458020	448020	8" x 8" x 2"

Drilling Information

Outlet Size	Drill Size
3/4"	3/4"
1"	1"
1-1/4"	1-1/4"
1-1/2"	1-3/8"
2"	2"

*Saddle Tees available in many more combinations

Poly Insert Fittings



Tee

Insert x Insert x Insert

Part Number	Size	Box
1401-005	1/2	50
1401-007	3/4	50
1401-010	1	25
1401-012	1-1/4	10
1401-015	1-1/2	10
1401-020	2	10



Combination Tee-fipt

Insert x Insert x fipt

Part Number	Size	Box
1402-005	1/2	25
1402-007	3/4	25
1402-010	1	25
1402-012	1-1/4	25
1402-015	1-1/2	10
1402-020	2	10



Combination Tee-mpt

Insert x Insert x mpt

Part Number	Size	Box
1403-005	1/2	25
1403-007	3/4	25
1403-010	1	25
1403-012	1-1/4	25
1403-015	1-1/2	10
1403-020	2	10



Reducing Tee

Insert x Insert x Insert

Part Number	Size	Box
1401-094	3/4 x 1/2 x 1/2	25
1401-101	3/4 x 3/4 x 1/2	25
1401-102	3/4 x 3/4 x 1	25
1401-124	1 x 3/4 x 1/2	25
1401-125	1 x 3/4 x 3/4	25
1401-130	1 x 1 x 1/2	25
1401-131	1 x 1 x 3/4	25
1401-132	1 x 1 x 1-1/4	25
1401-156	1-1/4 x 1 x 1/2	25
1401-157	1-1/4 x 1 x 3/4	25
1401-158	1-1/4 x 1 x 1	25
1401-166	1-1/4 x 1-1/4 x 1/2	25
1401-167	1-1/4 x 1-1/4 x 3/4	25
1401-168	1-1/4 x 1-1/4 x 1	25
1401-201	1-1/2 x 1-1/4 x 3/4	10
1401-202	1-1/2 x 1-1/4 x 1	10
1401-203	1-1/2 x 1-1/4 x 1-1/4	10
1401-209	1-1/2 x 1-1/2 x 1/2	10
1401-210	1-1/2 x 1-1/2 x 3/4	10
1401-211	1-1/2 x 1-1/2 x 1	10
1401-212	1-1/2 x 1-1/2 x 1-1/4	10
1401-241	2 x 1-1/2 x 1-1/2	10
1401-247	2 x 2 x 1/2	10
1401-248	2 x 2 x 3/4	10
1401-249	2 x 2 x 1	10



Combination Red. Tee

Insert x Insert x fipt

Part Number	Size	Box
1402-094	3/4 x 1/2 x 1/2	25
1402-101	3/4 x 3/4 x 1/2	25
1402-124	1 x 3/4 x 1/2	25
1402-125	1 x 3/4 x 3/4	25
1402-130	1 x 1 x 1/2	25
1402-131	1 x 1 x 3/4	25
1402-156	1-1/4 x 1 x 1/2	25
1402-157	1-1/4 x 1 x 3/4	25
1402-166	1-1/4 x 1-1/4 x 1/2	25
1402-167	1-1/4 x 1-1/4 x 3/4	25
1402-168	1-1/4 x 1-1/4 x 1	25
1402-199	1-1/2 x 1-1/4 x 1/2	10
1402-201	1-1/2 x 1-1/4 x 3/4	10
1402-202	1-1/2 x 1-1/4 x 1	10
1402-209	1-1/2 x 1-1/2 x 1/2	10
1402-210	1-1/2 x 1-1/2 x 3/4	10
1402-211	1-1/2 x 1-1/2 x 1	10
1402-212	1-1/2 x 1-1/2 x 1-1/4	10
1402-247	2 x 2 x 1/2	10
1402-248	2 x 2 x 3/4	10
1402-249	2 x 2 x 1	10
1402-251	2 x 2 x 1-1/2	10



Elbow

Insert x Insert

Part Number	Size	Box
1406-005	1/2	25
1406-007	3/4	25
1406-010	1	25
1406-012	1-1/4	25
1406-015	1-1/2	10
1406-020	2	10



Reducing Elbow

Insert x Insert

Part Number	Size	Box
1406-101	3/4 x 1/2	25
1406-131	1 x 3/4	25
1406-168	1-1/4 x 1	25
1406-212	1-1/2 x 1-1/4	10
1406-251	2 x 1-1/2	10



Bullhead Tee

Insert x Insert x Bullhead Insert

Part Number	Size	Box
1401-074	1/2 x 1/2 x 3/4	25
1401-102	3/4 x 3/4 x 1	25
1401-132	1 x 1 x 1-1/4	25



Combination Elbow

Insert x fipt

Part Number	Size	Box
1407-005	1/2	25
1407-007	3/4	25
1407-010	1	25
1407-012	1-1/4	25
1407-015	1-1/2	10
1407-020	2	10

fipt = Female Iron Pipe Thread
mpt = Male Pipe Thread



Poly Insert Fittings

Comb Reducing Elbow



Insert x fipt

Part Number	Size	Box
1407-053	3/8 x 1/2	25
1407-101	3/4 x 1/2	25
1407-130	1 x 1/2	25
1407-131	1 x 3/4	25
1407-166	1-1/4 x 1/2	25
1407-167	1-1/4 x 3/4	25
1407-168	1-1/4 x 1	25
1407-211	1-1/2 x 1	10
1407-212	1-1/2 x 1-1/4	10
1407-251	2 x 1-1/2	10

Insert Coupling



Insert x Insert

Part Number	Size	Box
1429-005	1/2	25
1429-007	3/4	25
1429-010	1	25
1429-012	1-1/4	25
1429-015	1-1/2	10
1429-020	2	10



Reducing Male Adapter



reducing mpt x Insert

Part Number	Size	Box
1436-074	1/2 x 3/4	25
1436-075	1/2 x 1	25
1436-102	3/4 x 1	25
1436-132	1 x 1-1/4	25
1436-133	1 x 1-1/2	25
1436-169	1-1/4 x 1-1/2	10
1436-213	1-1/2 x 2	10

Comb Elbow - mpt



Insert x mpt

Part Number	Size	Box
1413-005	1/2	25
1413-007	3/4	25
1413-010	1	25
1413-012	1-1/4	25
1413-015	1-1/2	10
1413-020	2	10
1413-073	3/8 x 1/2	25
1413-101	3/4 x 1/2	25
1413-130	1 x 3/4	25
1413-131	1 x 3/4	25

Reducing Coupling



Insert x Insert

Part Number	Size	Box
1429-101	3/4 x 1/2	25
1429-130	1 x 1/2	25
1429-131	1 x 3/4	25
1429-167	1-1/4 x 3/4	25
1429-168	1-1/4 x 1	25
1429-210	1-1/2 x 3/4	10
1429-211	1-1/2 x 1	10
1429-212	1-1/2 x 1-1/4	10
1429-249	2 x 1	10
1429-250	2 x 1-1/4	10
1429-251	2 x 1-1/2	10

Reducing Male Adapter



mpt x reducing Insert

Part Number	Size	Box
1436-073	1/2 x 3/8	25
1436-101	3/4 x 1/2	25
1436-131	1 x 3/4	25
1436-167	1-1/4 x 3/4	25
1436-168	1-1/4 x 1	25
1436-211	1-1/2 x 1	10
1436-212	1-1/2 x 1-1/4	10
1436-251	2 x 1-1/2	10

Cross



Insert x Insert x Insert x Insert

Part Number	Size	Box
1420-005	1/2	25
1420-007	3/4	25
1420-010	1	25
1420-012	1-1/4	25
1420-015	1-1/2	10
1420-020	2	10

Male Adapter



mpt x Insert

Part Number	Size	Box
1436-005	1/2	25
1436-007	3/4	25
1436-010	1	25
1436-012	1-1/4	25
1436-015	1-1/2	10
1436-020	2	10

Plug

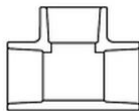


Insert

Part Number	Size	Box
1449-005	1/2	25
1449-007	3/4	25
1449-010	1	25
1449-012	1-1/4	25
1449-015	1-1/2	10
1449-020	2	10

fipt = Female Iron Pipe Thread
mpt = Male Pipe Thread

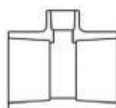
Crimp and screw clamps on page 84



Tee

Slip x Slip x Slip

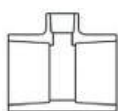
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401-003	3/8	50
401-005	1/2	50
401-007	3/4	50
401-010	1	50
401-012	1-1/4	25
401-015	1-1/2	25
401-020	2	25
401-025	2-1/2	10
401-030	3	10
401-040	4	6
401-050	5	5
401-060	6	4
401-080	8	2
401-100	10	1
401-120	12	1



Reducing Tee

Slip x Slip x Slip

Part Number	Size	Box
401-074	1/2 x 1/2 x 3/4	50
401-094	3/4 x 1/2 x 1/2	50
401-095	3/4 x 1/2 x 3/4	50
401-101	3/4 x 3/4 x 1/2	50
401-102	3/4 x 3/4 x 1	50
401-122	1 x 1/2 x 1	50
401-124	1 x 3/4 x 1/2	50
401-125	1 x 3/4 x 3/4	50
401-126	1 x 3/4 x 1	50
401-130	1 x 1 x 1/2	50
401-131	1 x 1 x 3/4	50
401-132	1 x 1 x 1-1/4	25
401-133	1 x 1 x 1-1/4	25
401-156	1-1/4 x 1 x 1/2	25
401-157	1-1/4 x 1 x 3/4	25
401-158	1-1/4 x 1 x 1	25
401-166	1-1/4 x 1-1/4 x 1/2	25
401-167	1-1/4 x 1-1/4 x 3/4	25
401-168	1-1/4 x 1-1/4 x 1	25
401-169	1-1/4 x 1-1/4 x 1-1/2	25
401-199	1-1/2 x 1-1/4 x 1/2	25

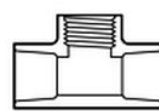


Reducing Tee

Slip x Slip x Slip

Continued

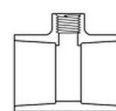
Part Number	Size	Box
401-201	1-1/2 x 1-1/4 x 3/4	25
401-202	1-1/2 x 1-1/4 x 1	25
401-209	1-1/2 x 1-1/2 x 1/2	25
401-210	1-1/2 x 1-1/2 x 3/4	25
401-211	1-1/2 x 1-1/2 x 1	25
401-212	1-1/2 x 1-1/2 x 1-1/4	25
401-213	1-1/2 x 1-1/2 x 2	25
401-238	2 x 1-1/2 x 3/4	10
401-239	2 x 1-1/2 x 1	10
401-247	2 x 2 x 1/2	10
401-248	2 x 2 x 3/4	10
401-249	2 x 2 x 1	10
401-250	2 x 2 x 1-1/4	10
401-251	2 x 2 x 1-1/2	10
401-287	2-1/2 x 2-1/2 x 1/2	10
401-288	2-1/2 x 2-1/2 x 3/4	10
401-289	2-1/2 x 2-1/2 x 1	10
401-290	2-1/2 x 2-1/2 x 1-1/4	10
401-291	2-1/2 x 2-1/2 x 1-1/2	10
401-292	2-1/2 x 2-1/2 x 2	10
401-333	3 x 3 x 1/2	10
401-334	3 x 3 x 3/4	10
401-335	3 x 3 x 1	10
401-337	3 x 3 x 1-1/2	10
401-338	3 x 3 x 2	6
401-415	4 x 4 x 1/2	6
401-416	4 x 4 x 3/4	6
401-417	4 x 4 x 1	6
401-420	4 x 4 x 2	10
401-422	4 x 4 x 3	6
401-486	5 x 5 x 2	5
401-488	5 x 5 x 3	4
401-490	5 x 5 x 4	3
401-528	6 x 6 x 2	3
401-530	6 x 6 x 3	5
401-532	6 x 6 x 4	2
401-578	8 x 8 x 2	2
401-580	8 x 8 x 3	4
401-582	8 x 8 x 4	2
401-585	8 x 8 x 6	2
401-628	10 x 10 x 8	1
401-670	12 x 12 x 10	1



Combo Tee

Slip x Slip x FPT

Part Number	Size	Box
402-005	1/2	50
402-007	3/4	50
402-010	1	50
402-012	1-1/4	25
402-015	1-1/2	25
402-020	2	10
402-025	2-1/2	10
402-030	3	10
402-040	4	6

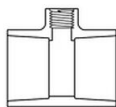


Reducing Combo Tee

Slip x Slip x FPT

Part Number	Size	Box
402-071	1/2 x 1/2 x 1/8	50
402-072	1/2 x 1/2 x 1/4	50
402-074	1/2 x 1/2 x 3/4	50
402-094	3/4 x 1/2 x 1/2	50
402-095	3/4 x 1/2 x 3/4	50
402-101	3/4 x 3/4 x 1/2	50
402-102	3/4 x 3/4 x 1	50
402-122	1 x 1/2 x 1	50
402-124	1 x 3/4 x 1/2	50
402-125	1 x 3/4 x 3/4	50
402-126	1 x 3/4 x 1	50
402-130	1 x 1 x 1/2	50
402-131	1 x 1 x 3/4	50
402-132	1 x 1 x 1-1/4	25
402-156	1-1/4 x 1 x 1/2	25
402-157	1-1/4 x 1 x 3/4	25
402-158	1-1/4 x 1 x 1	25
402-166	1-1/4 x 1-1/4 x 1/2	25
402-167	1-1/4 x 1-1/4 x 3/4	25
402-168	1-1/4 x 1-1/4 x 1	25
402-169	1-1/4 x 1-1/4 x 1-1/2	25
402-199	1-1/2 x 1-1/4 x 1/2	25
402-201	1-1/2 x 1-1/4 x 3/4	25
402-202	1-1/2 x 1-1/4 x 1	25
402-209	1-1/2 x 1-1/2 x 1/2	25
402-210	1-1/2 x 1-1/2 x 3/4	25
402-211	1-1/2 x 1-1/2 x 1	25

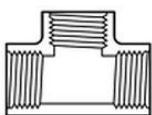
PVC Sch. 40 Fittings



Reducing Combo Tee

Slip x Slip x FPT

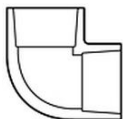
Part Number	Size	Box
402-212	1-1/2 x 1-1/2 x 1-1/4	25
402-238	2 x 1-1/2 x 3/4	10
402-239	2 x 1-1/2 x 1	10
402-247	2 x 2 x 1/2	10
402-248	2 x 2 x 3/4	10
402-249	2 x 2 x 1	10
402-250	2 x 2 x 1-1/4	10
402-251	2 x 2 x 1-1/2	10
402-287	2-1/2 x 2-1/2 x 1/2	10
402-288	2-1/2 x 2-1/2 x 3/4	10
402-289	2-1/2 x 2-1/2 x 1	10
402-290	2-1/2 x 2-1/2 x 1-1/4	10
402-291	2-1/2 x 2-1/2 x 1-1/2	10
402-292	2-1/2 x 2-1/2 x 2	10
402-333	3 x 3 x 1/2	10
402-334	3 x 3 x 3/4	10
402-335	3 x 3 x 1	10
402-337	3 x 3 x 1-1/2	10
402-338	3 x 3 x 2	6
402-417	4 x 4 x 1	6
402-420	4 x 4 x 2	10
402-422	4 x 4 x 3	6
402-490	5 x 5 x 4	3
402-528	6 x 6 x 2	3
402-530	6 x 6 x 3	5
402-532	6 x 6 x 4	2
402-578	8 x 8 x 2	3
402-580	8 x 8 x 3	2
402-582	8 x 8 x 4	2



Thread Tee

FPT x FPT x FPT

Part Number	Size	Box
405-005	1/2	50
405-007	3/4	50
405-010	1	50
405-012	1-1/4	25
405-015	1-1/2	25
405-020	2	15

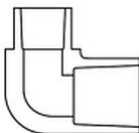


90° Elbow

Slip x Slip

Continued

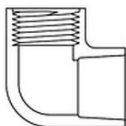
Part Number	Size	Box
406-003	3/8	50
406-005	1/2	50
406-007	3/4	50
406-010	1	50
406-012	1-1/4	25
406-015	1-1/2	25
406-020	2	25
406-025	2-1/2	10
406-030	3	10
406-040	4	8
406-050	5	4
406-060	6	4
406-080	8	2
406-100	10	1
406-120	12	1



90° Reducing Elbow

Slip x Slip

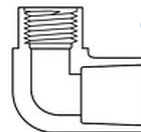
Part Number	Size	Box
406-101	3/4 x 1/2	50
406-130	1 x 1/2	50
406-131	1 x 3/4	50
406-168	1-1/4 x 1	25
406-251	2 x 1-1/2	10



90° Combo Elbow

Slip x FPT

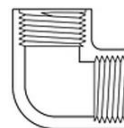
Part Number	Size	Box
407-005	1/2	50
407-007	3/4	50
407-010	1	50
407-012	1-1/4	25
407-015	1-1/2	25
407-020	2	10
407-025	2-1/2	10
407-030	3	8
407-040	4	8



90° Red. Combo Elbow

Slip x FPT

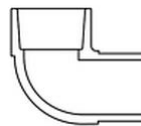
Part Number	Size	Box
407-101	3/4 x 1/2	50
407-130	1 x 1/2	50
407-131	1 x 3/4	50
407-168	1-1/4 x 1	25



90° Thread Elbow

FPT x FPT

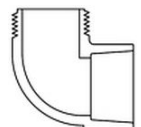
Part Number	Size	Box
408-005	1/2	50
408-007	3/4	50
408-010	1	50
408-012	1-1/4	25
408-015	1-1/2	25
408-020	2	10



90° Street Elbow

Slip x Spigot

Part Number	Size	Box
409-005	1/2	50
409-007	3/4	50
409-010	1	50
409-012	1-1/4	25
409-015	1-1/2	25
409-020	2	10

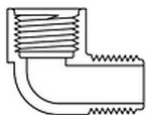


90° Combo St. Elbow

Slip x MIPT

Part Number	Size	Box
410-005	1/2	50
410-007	3/4	50
410-010	1	50
410-012	1-1/4	25
410-015	1-1/2	25
410-020	2	10

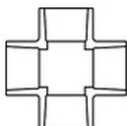
PVC Sch. 40 Fittings



90° Thread St. Elbow

MIPT x FPT

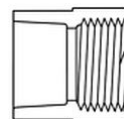
Part Number	Size	Box
412-005	1/2	50
412-007	3/4	50
412-010	1	50
412-012	1-1/4	25
412-015	1-1/2	25
412-020	2	10



Cross

Slip x Slip x Slip x Slip

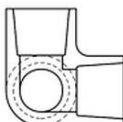
Part Number	Size	Box
420-005	1/2	50
420-007	3/4	50
420-010	1	50
420-012	1-1/4	25
420-015	1-1/2	25
420-020	2	10



Female Adapter

Slip x FPT

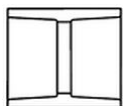
Part Number	Size	Box
435-005	1/2	50
435-007	3/4	50
435-010	1	50
435-012	1-1/4	25
435-015	1-1/2	25
435-020	2	10
435-025	2-1/2	10
435-030	3	5
435-040	4	6
435-060	6	5
435-080	8	2



90° Side Outlet Elbow

Slip x Slip x Slip

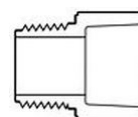
Part Number	Size	Box
413-005	1/2	50
413-007	3/4	50
413-010	1	25
413-015	1-1/2	10
413-020	2	10



Coupling

Slip x Slip

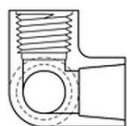
Part Number	Size	Box
429-005	1/2	50
429-007	3/4	50
429-010	1	50
429-012	1-1/4	25
429-015	1-1/2	25
429-020	2	25
429-025	2-1/2	12
429-030	3	10
429-040	4	6
429-050	5	5
429-060	6	5
429-080	8	8
429-100	10	1
429-120	12	1



Male Adapter

MIPT x Slip

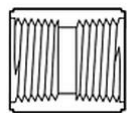
Part Number	Size	Box
436-005	1/2	50
436-007	3/4	50
436-010	1	50
436-012	1-1/4	25
436-015	1-1/2	25
436-020	2	25
436-025	2-1/2	10
436-030	3	10
436-040	4	5
436-060	6	7
436-080	8	3



90° Combo Side Outlet Elbow

Slip x Slip x FPT

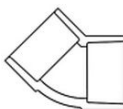
Part Number	Size	Box
414-005	1/2	50
414-007	3/4	50
414-101	3/4 x 3/4 x 1/2	50
414-130	1 x 1 x 1/2	50



Thread Coupling

FPT x FPT

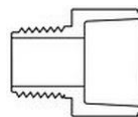
Part Number	Size	Box
430-005	1/2	50
430-007	3/4	50
430-010	1	50
430-012	1-1/4	10
430-015	1-1/2	10
430-020	2	10



45° Elbow

Slip x Slip

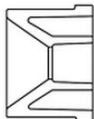
Part Number	Size	Box
417-005	1/2	50
417-007	3/4	50
417-010	1	50
417-012	1-1/4	25
417-015	1-1/2	25
417-020	2	25
417-025	2-1/2	10
417-030	3	10
417-040	4	5
417-060	6	8
417-080	8	3



Red. Male Adapter

MIPT x Slip

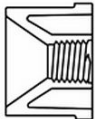
Part Number	Size	Box
436-074	1/2 x 3/4	50
436-102	3/4 x 1	50
436-132	1 x 1-1/4	50
436-169	1-1/4 x 1-1/2	25
436-213	1-1/2 x 2	25



Reducer Bushing

Spigot x Slip

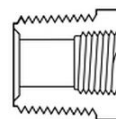
Part Number	Size	Box
437-101	3/4 x 1/2	50
437-130	1 x 1/2	50
437-131	1 x 3/4	50
437-166	1-1/4 x 1/2	25
437-167	1-1/4 x 3/4	25
437-168	1-1/4 x 1	25
437-209	1-1/2 x 1/2	25
437-210	1-1/2 x 3/4	25
437-211	1-1/2 x 1	25
437-212	1-1/2 x 1-1/4	25
437-247	2 x 1/2	10
437-248	2 x 3/4	10
437-249	2 x 1	10
437-250	2 x 1-1/4	10
437-251	2 x 1-1/2	25
437-289	2-1/2 x 1	10
437-290	2-1/2 x 1-1/4	10
437-291	2-1/2 x 1-1/2	10
437-292	2-1/2 x 2	10
437-335	3 x 1	10
437-336	3 x 1-1/4	10
437-337	3 x 1-1/2	10
437-338	3 x 2	10
437-339	3 x 2-1/2	15
437-420	4 x 2	6
437-421	4 x 2-1/2	6
437-422	4 x 3	6
437-530	6 x 3	5
437-532	6 x 4	5
437-582	8 x 4	4
437-585	8 x 6	4



Reducer Bushing

Spigot x FPT

Part Number	Size	Box
438-071	1/2 x 1/8	50
438-072	1/2 x 1/4	50
438-073	1/2 x 3/8	50
438-098	3/4 x 1/4	50
438-101	3/4 x 1/2	50
438-128	1 x 1/4	50
438-129	1 x 3/8	50
438-130	1 x 1/2	50
438-131	1 x 3/4	50
438-166	1-1/4 x 1/2	25
438-167	1-1/4 x 3/4	25
438-168	1-1/4 x 1	25
438-209	1-1/2 x 1/2	25
438-210	1-1/2 x 3/4	25
438-211	1-1/2 x 1	25
438-212	1-1/2 x 1-1/4	25
438-247	2 x 1/2	10
438-248	2 x 3/4	10
438-249	2 x 1	10
438-250	2 x 1-1/4	10
438-251	2 x 1-1/2	10
438-287	2-1/2 x 1/2	10
438-288	2-1/2 x 3/4	10
438-289	2-1/2 x 1	10
438-290	2-1/2 x 1-1/4	10
438-291	2-1/2 x 1-1/2	10
438-292	2-1/2 x 2	10
438-335	3 x 1	10
438-336	3 x 1-1/4	10
438-337	3 x 1-1/2	10
438-338	3 x 2	10
438-339	3 x 2-1/2	10
438-420	4 x 2	6
438-421	4 x 2-1/2	6
438-422	4 x 3	6



Reducer Bushing

MIPT x FPT

Part Number	Size	Box
439-098	3/4 x 1/4	50
439-099	3/4 x 3/8	50
439-101	3/4 x 1/2	50
439-130	1 x 1/2	50
439-131	1 x 3/4	50
439-166	1-1/4 x 1/2	25
439-167	1-1/4 x 3/4	25
439-168	1-1/4 x 1	25
439-209	1-1/2 x 1/2	25
439-210	1-1/2 x 3/4	25
439-211	1-1/2 x 1	25
439-212	1-1/2 x 1-1/4	25
439-251	2 x 1-1/2	10



Cap Slip

Part Number	Size	Box
447-005	1/2	50
447-007	3/4	50
447-010	1	50
447-012	1-1/4	25
447-015	1-1/2	25
447-020	2	25
447-025	2-1/2	10
447-030	3	10
447-040	4	6
447-050	5	5
447-060	6	4
447-080	8	3
447-100	10	1
447-120	12	1

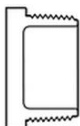


PVC Sch. 40 Fittings



Cap
FPT

Part Number	Size	Box
448-005	1/2	50
448-007	3/4	50
448-010	1	50
448-012	1-1/4	25
448-015	1-1/2	25
448-020	2	10
448-025	2-1/2	10
448-030	3	10
448-040	4	6



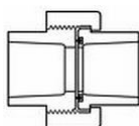
Plug
MIPT

Part Number	Size	Box
450-005	1/2	50
450-007	3/4	50
450-010	1	50
450-012	1-1/4	25
450-015	1-1/2	25
450-020	2	10
450-025	2-1/2	10
450-030	3	10
450-040	4	6



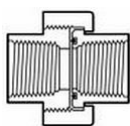
Plug
Spigot

Part Number	Size	Box
449-005	1/2	50
449-007	3/4	50
449-010	1	50
449-012	1-1/4	25
449-015	1-1/2	25
449-020	2	10
449-025	2-1/2	10
449-030	3	10
449-040	4	6



Union
Slip x Slip

Part Number	Size	Box
457-005	1/2	10
457-007	3/4	10
457-010	1	10
457-012	1-1/4	5
457-015	1-1/2	5
457-020	2	5
457-025	2-1/2	5
457-030	3	5
457-040	4	4
457-060	6	1



Union
FPT x FPT

Part Number	Size	Box
458-005	1/2	10
458-007	3/4	10
458-010	1	10
458-012	1-1/4	5
458-015	1-1/2	5
458-020	2	5
458-025	2-1/2	5
458-030	3	5
458-040	4	4
458-060	6	1



WATER TRIVIA:

- Approx 400 billion gallons of water are used in the United States per day.
- About 6,800 gallons of water is required to grow a day's food for a family of 4.
- To create 1 pint of beer it takes 20 gallons of water.
- There is the same amount of water on Earth today as there was millions of years ago.
- A leaky faucet that drips at a rate of one drip per second can waste more than 3,000 gallons per year.
- 40% of freshwater in USA are used for Agriculture.
- 65% of freshwater in China are used for Agriculture.
- There is more fresh water in the atmosphere than in all of the rivers on the planet combined.

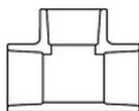
AMAZING FACT:

Picture a cubical water tank one mile long, one mile wide, and one mile high. It is totally filled with water. You punch a hole in the bottom, and water begins to flow out at the rate of one gallon per second. To envision this stream of water: It's more than a garden hose and less than a fire hose.

How long does it take to empty the tank ?

With 7.48 gallons of water in a cubic foot... It will take roughly 34,890 years to drain the tank!

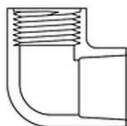
PVC Sch. 80 Fittings



Tee

Slip x Slip x Slip

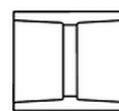
Part Number	Size	Box
801-005	1/2	25
801-007	3/4	15
801-010	1	15
801-012	1-1/4	10
801-015	1-1/2	10
801-020	2	10



90° Combo Elbow

Slip x FPT

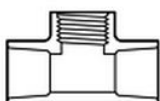
Part Number	Size	Box
807-005	1/2	20
807-007	3/4	20
807-010	1	20
807-012	1-1/4	10
807-015	1-1/2	10
807-020	2	10



Coupling

Slip x Slip

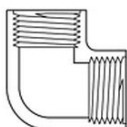
Part Number	Size	Box
829-005	1/2	25
829-007	3/4	25
829-010	1	25
829-012	1-1/4	10
829-015	1-1/2	10
829-020	2	20



Combo Tee

Slip x Slip x FPT

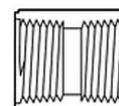
Part Number	Size	Box
802-005	1/2	20
802-007	3/4	20
802-010	1	15
802-012	1-1/4	15
802-015	1-1/2	10
802-020	2	10



90° Thread Elbow

FPT x FPT

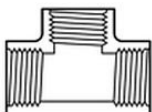
Part Number	Size	Box
808-005	1/2	20
808-007	3/4	20
808-010	1	15
808-012	1-1/4	10
808-015	1-1/2	10
808-020	2	10



Thread Coupling

FPT x FPT

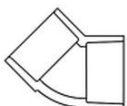
Part Number	Size	Box
830-005	1/2	25
830-007	3/4	25
830-010	1	15
830-012	1-1/4	10
830-015	1-1/2	10
830-020	2	10



Thread Tee

FPT x FPT x FPT

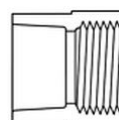
Part Number	Size	Box
805-005	1/2	20
805-007	3/4	15
805-010	1	15
805-012	1-1/4	10
805-015	1-1/2	10
805-020	2	10



45° Elbow

Slip x Slip

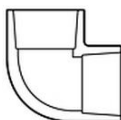
Part Number	Size	Box
817-005	1/2	20
817-007	3/4	20
817-010	1	15
817-012	1-1/4	10
817-015	1-1/2	10
817-020	2	10



Female Adapter

Slip x FPT

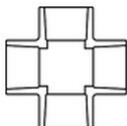
Part Number	Size	Box
835-005	1/2	25
835-007	3/4	25
835-010	1	15
835-012	1-1/4	10
835-015	1-1/2	10
835-020	2	10



90° Elbow

Slip x Slip

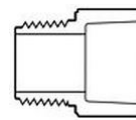
Part Number	Size	Box
806-005	1/2	20
806-007	3/4	20
806-010	1	25
806-012	1-1/4	10
806-015	1-1/2	10
806-020	2	25



Cross

Slip x Slip x Slip x Slip

Part Number	Size	Box
820-005	1/2	50
820-007	3/4	50
820-010	1	50
820-012	1-1/4	25
820-015	1-1/2	25
820-020	2	10

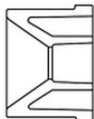


Male Adapter

MIPT x Slip

Part Number	Size	Box
836-005	1/2	25
836-007	3/4	25
836-010	1	20
836-012	1-1/4	10
836-015	1-1/2	10
836-020	2	10

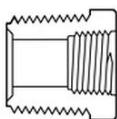
PVC Sch. 80 Fittings



Reducer Bushing

Spigot x Slip

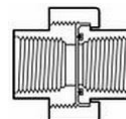
Part Number	Size	Box
837-101	3/4 x 1/2	50
837-130	1 x 1/2	50
837-131	1 x 3/4	50
837-166	1-1/4 x 1/2	25
837-167	1-1/4 x 3/4	25
837-168	1-1/4 x 1	25
837-209	1-1/2 x 1/2	25
837-210	1-1/2 x 3/4	25
837-211	1-1/2 x 1	25
837-212	1-1/2 x 1-1/4	25
837-247	2 x 1/2	10
837-248	2 x 3/4	10
837-249	2 x 1	10
837-250	2 x 1-1/4	10
837-251	2 x 1-1/2	10



Reducer Bushing

MIPT x FPT

Part Number	Size	Box
839-072	1/2 x 1/4	50
839-098	3/4 x 1/4	50
839-101	3/4 x 1/2	50
839-128	1 x 1/4	25
839-130	1 x 1/2	50
839-131	1 x 3/4	50



Union

FPT x FPT

Part Number	Size	Box
898-005	1/2	10
898-007	3/4	10
898-010	1	10
898-012	1-1/4	5
898-015	1-1/2	5
898-020	2	5



Cap

Slip

Part Number	Size	Box
847-005	1/2	25
847-007	3/4	25
847-010	1	15
847-012	1-1/4	10
847-015	1-1/2	10
847-020	2	10



Flange

Slip

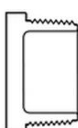
Part Number	Size	Box
854-020	2	10
854-025	2-1/2	10
854-030	3	10
854-040	4	5
854-060	6	5
854-080	8	2
854-100	10	2
854-120	12	2



Reducer Bushing

Spigot x FPT

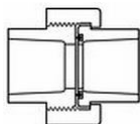
Part Number	Size	Box
838-071	1/2 x 1/8	50
838-072	1/2 x 1/4	50
838-098	3/4 x 1/4	50
838-101	3/4 x 1/2	50
838-128	1 x 1/4	50
838-130	1 x 1/2	50
838-131	1 x 3/4	50
838-166	1-1/4 x 1/2	25
838-167	1-1/4 x 3/4	25
838-168	1-1/4 x 1	25
838-209	1-1/2 x 1/2	25
838-210	1-1/2 x 3/4	25
838-211	1-1/2 x 1	25
838-212	1-1/2 x 1-1/4	25
838-247	2 x 1/2	10
838-248	2 x 3/4	10
838-249	2 x 1	10
838-250	2 x 1-1/4	10
838-251	2 x 1-1/2	10



Thread Plug

MIPT

Part Number	Size	Box
850-005	1/2	50
850-007	3/4	50
850-010	1	15
850-012	1-1/4	10
850-015	1-1/2	10
850-020	2	10



Union

Slip x Slip

Part Number	Size	Box
897-005	1/2	10
897-007	3/4	10
897-010	1	10
897-012	1-1/4	5
897-015	1-1/2	5
897-020	2	5



Pipe Nipples

1/2" Pipe Nipples

MIPT x MIPT



PVC Part#	Galv. Part#	Size
205-011	GS80 1/2 X CL	1/2 x Close
205-020	GS80 1/2 X 2	1/2 x 2
205-025	GS80 1/2 X 2 1/2	1/2 x 2-1/2
205-030	GS80 1/2 X 3	1/2 x 3
205-040	GS80 1/2 X 4	1/2 x 4
205-050	GS80 1/2 X 5	1/2 x 5
205-060	GS80 1/2 X 6	1/2 x 6
205-080	GS80 1/2 X 8	1/2 x 8
205-100	GS80 1/2 X 10	1/2 x 10
205-120	GS80 1/2 X 12	1/2 x 12
205-180	-	1/2 x 18
205-240	-	1/2 x 24
205-360	-	1/2 x 36
205-480	-	1/2 x 48

3/4" Pipe Nipples

MIPT x MIPT



PVC Part#	Galv. Part#	Size
207-013	GS80 3/4 X CL	3/4 x Close
207-020	GS80 3/4 X 2	3/4 x 2
207-030	GS80 3/4 X 3	3/4 x 3
207-040	GS80 3/4 X 4	3/4 x 4
207-050	GS80 3/4 X 5	3/4 x 5
207-060	GS80 3/4 X 6	3/4 x 6
207-080	GS80 3/4 X 8	3/4 x 8
207-100	GS80 3/4 X 10	3/4 x 10
207-120	GS80 3/4 X 12	3/4 x 12
207-180	-	3/4 x 18
207-240	-	3/4 x 24
207-360	-	3/4 x 36
207-480	-	3/4 x 48
207-600	-	3/4 x 60

1" Pipe Nipples

MIPT x MIPT



PVC Part#	Galv. Part#	Size
210-015	GS80 1 X CL	1 x Close
210-020	GS80 1 X 2	1 x 2
210-030	GS80 1 X 3	1 x 3
210-040	GS80 1 X 4	1 x 4
210-050	GS80 1 X 5	1 x 5
210-060	GS80 1 X 6	1 x 6
210-080	GS80 1 X 8	1 x 8
210-100	GS80 1 X 10	1 x 10
210-120	GS80 1 X 12	1 x 12
210-180	GS80 1 X 18	1 x 18
210-240	-	1 x 24
210-360	-	1 x 36
210-480	-	1 x 48

1-1/4" Pipe Nipples

MIPT x MIPT



PVC Part#	Galv. Part#	Size
212-016	GS80 1 1/4 X CL	1-1/4 x Close
212-020	GS80 1 1/4 X 2	1-1/4 x 2
212-030	GS80 1 1/4 X 3	1-1/4 x 3
212-040	GS80 1 1/4 X 4	1-1/4 x 4
212-050	GS80 1 1/4 X 5	1-1/4 x 5
212-060	GS80 1 1/4 X 6	1-1/4 x 6
212-080	GS80 1 1/4 X 8	1-1/4 x 8
212-100	GS80 1 1/4 X 10	1-1/4 x 10
212-120	GS80 1 1/4 X 12	1-1/4 x 12

1-1/2" Pipe Nipples

MIPT x MIPT



PVC Part#	Galv. Part#	Size
215-017	GS80 1 1/2 X CL	1-1/2 x Close
215-020	GS80 1 1/2 X 2	1-1/2 x 2
215-030	GS80 1 1/2 X 3	1-1/2 x 3
215-040	GS80 1 1/2 X 4	1-1/2 x 4
215-050	GS80 1 1/2 X 5	1-1/2 x 5
215-060	GS80 1 1/2 X 6	1-1/2 x 6
215-080	GS80 1 1/2 X 8	1-1/2 x 8
215-100	GS80 1 1/2 X 10	1-1/2 x 10
215-120	GS80 1 1/2 X 12	1-1/2 x 12

2" Pipe Nipples

MIPT x MIPT



PVC Part#	Galv. Part#	Size
220-020	GS80 2 X CL	2 x Close
220-030	GS80 2 X 3	2 x 3
220-040	GS80 2 X 4	2 x 4
220-050	GS80 2 X 5	2 x 5
220-060	GS80 2 X 6	2 x 6
220-080	GS80 2 X 8	2 x 8
220-100	GS80 2 X 10	2 x 10
220-120	GS80 2 X 12	2 x 12

3" Pipe Nipples

MIPT x MIPT



PVC Part#	Galv. Part#	Size
230-026	GS80 3 X CL	3 x Close
230-030	GS80 3 X 3	3 x 3
230-040	GS80 3 X 4	3 x 4
230-050	GS80 3 X 5	3 x 5
230-060	GS80 3 X 6	3 x 6
230-080	GS80 3 X 8	3 x 8
230-100	GS80 3 X 10	3 x 10
230-120	GS80 3 X 12	3 x 12

4" Pipe Nipples

MIPT x MIPT



PVC Part#	Galv. Part#	Size
240-020	GS80 4 X CL	4 x Close
240-040	GS80 4 X 4	4 x 4
240-050	GS80 4 X 5	4 x 5
240-060	GS80 4 X 6	4 x 6
240-080	GS80 4 X 8	4 x 8
240-100	GS80 4 X 10	4 x 10
240-120	GS80 4 X 12	4 x 12

WATER USE TRIVIA:

- 1 lb beef requires 1,799 gallons of water.
- 1 gallon wine requires 1,008 gallons of water.
- A 0.3 lb burger requires 660 gallons of water.
- 1 slice of bread requires 11 gallons of water.
- 1 apple requires 18 gallons of water.
- 1 lb chocolate requires 3,170 gallons of water.
- 500 sheets of paper require 1,321 gallons of water.

Camlock & Hose Fittings

Polypropylene Parts Shown (Aluminum and Brass also available)



Male Cam x FIPT

Part Number	Size	Bag
75A	3/4"	10
100A	1"	10
125A	1-1/4"	10
150A	1-1/2"	10
200A	2"	10
300A	3"	1



Female Cam x MIPT

Part Number	Size	Bag
75B	3/4"	10
100B	1"	10
125B	1-1/4"	10
150B	1-1/2"	1
200B	2"	1
300B	3"	1



Female Cam x Barb

Part Number	Size	Bag
75 C	3/4"	10
100C	1"	10
125C	1-1/4"	10
150C	1-1/2"	1
200C	2"	1
300C	3"	1



Female Cam x FIPT

Part Number	Size	Bag
75 D	3/4"	10
100D	1"	10
125D	1-1/4"	10
150D	1-1/2"	1
200D	2"	1
300D	3"	1



Male Cam x Barb

Part Number	Size	Bag
75E	3/4"	10
100E	1"	10
125E	1-1/4"	10
150E	1-1/2"	10
200E	2"	10
300E	3"	1



Male Cam x MIPT

Part Number	Size	Bag
75F	3/4"	10
100F	1"	10
125F	1-1/4"	10
150F	1-1/2"	10
200F	2"	10
300F	3"	1



Camlock Cap

Part Number	Size	Bag
75CAP	3/4"	10
100125CAP	1" & 1-1/4"	10
150CAP	1-1/2"	1
200CAP	2"	1
300CAP	3"	1



Camlock Plug

Part Number	Size	Bag
75PL	3/4"	10
100125PL	1" & 1-1/4"	10
150PL	1-1/2"	10
200PL	2"	1
300PL	3"	1



Camlock Buna-N Replacement Washers

Part Number	Size
100G	1"
125-G-BU	1-1/4"
150G	1-1/2"
200G	2"
300G	3"



Steel Male Adapters

Part Number	Size
STC1	1/2"
STC5	3/4"
STC10	1"
STC15	1-1/4"
STC20	1-1/2"
STC25	2"
STC30	2-1/2"
STC35	3"



Steel Hose Menders

Part Number	Size
DM-26	2"
DM-31	2-1/2"
DM-36	3"
DM-46	4"
DM-51	5"
DM-66	6"



Basket Strainers



Part Number	Description
200SBS	2" FIPT - Polypropylene
300SBS	3" FIPT - Polypropylene
RHS20	1-1/2" FIPT - Steel
RHS25	2" FIPT - Steel
RHS35	3" FIPT - Steel



Short Shank Male Ends

Part Number	Size
S-10	1"
S-15	1-1/4"
S-20	1-1/2"
S-25	2"
S-30	2-1/2"
S-36	3"
S-40	4"



Short Shank Female Ends

Part Number	Size
S-12	1"
S-17	1-1/4"
S-22	1-1/2"
S-27	2"
S-32	2-1/2"
S-38	3"
S-42	4"



Short Shank Replacement Washers

Part Number	Size
KRW-10	1"
KRW-15	1-1/4"
KRW-20	1-1/2"
KRW-25	2"
KRW-30	2-1/2"
KRW-35	3"
KRW-40	4"

Hoses

Angus Armour Guard Layflat Hose



- Heavy-Duty Construction
- Synthetic Textile Reinforced
- Superior Strength & Durability

Part Number	ID	Wall Thickness	Max PSI
2-1/2 ANGUS HOSE	2.5"	0.125"	300
3 ANGUS ARMOUR	3"	0.125"	300
4 ANGUS ARMOUR	4"	0.13"	200
4-1/2 ANGUS DP	4.5"	0.13"	200
6 ANGUS ARMOUR	6"	0.13"	200

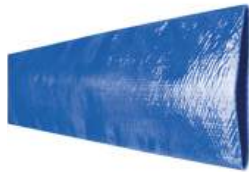
Ironsides Layflat Hose



- Medium-Duty Construction
- Reinforced w/ 2 Spiral Plies and Longitudinal Synthetic Cords
- Not Intended For Use As Fire Hose

Part Number	ID	Wall Thickness	Max PSI
1-1/2 IRONSIDES	1.5"	0.0866"	200
2 IRONSIDES	2"	0.0906"	175
2-1/2 IRONSIDES	2.5"	0.0945"	150
3 IRONSIDES	3"	0.0984"	125
4 IRONSIDES	4"	0.1102"	125
6 IRONSIDES	6"	0.1181"	100

Vinylflow Layflat Hose



- Light-Duty Construction
- Polyester Spiral Wrap for Reinforcement
- Great for Drip Irrigation

Part Number	ID	Wall Thickness	Max PSI
VINYLFLOW0150	1.67"	0.0669"	80
VINYLFLOW0200	2.17"	0.0669"	80
VINYLFLOW0250	2.60"	0.0787"	80
VINYLFLOW0300	3.13"	0.0787"	70
VINYLFLOW0400	4.13"	0.0827"	70
VINYLFLOW0600	6.18"	0.0866"	50

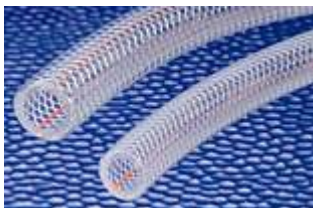
Tigerflex™ BW Series Hose



- General Water Suction & Transfer
- Abrasive Liquid Applications
- Temp. Range: -40°F to 150°F

Part Number	ID	Wall Thickness	Max PSI
3/4 PVC SUCTION	0.75"	0.26"	75
1 PVC SUCTION	1"	0.26"	65
1-1/4 PVC SUCTION	1.25"	0.31"	65
1-1/2 PVC SUCTION	1.5"	0.29"	65
2 PVC SUCTION	2"	0.35"	65

CLEARBRAID® K3150 Braided Hose



- Yarn Reinforced
- Lightweight
- NSF Certified: Food Equipment Materials

Part Number	ID	Wall Thickness	Max PSI
1/4 BRAIDED HOSE	0.25"	0.188"	200
1/2 BRAIDED HOSE	0.50"	0.250"	150
5/8 BRAIDED HOSE	0.625"	0.266"	150
3/4 BRAIDED HOSE	0.75"	0.281"	150
1 BRAIDED HOSE	1.00"	0.300"	125

Alfagomma® Rubber Hose



- Excellent General Purpose Hose
- Pneumatic Air Tools
- Liquid Transfer
- Polyester Yarn Reinforcement
- Class C - Medium Oil-Resistant

Part Number	ID	Wall Thickness	Max PSI
1/2 RUBBER HOSE	0.50"	0.344"	200
3/4 RUBBER HOSE	0.75"	0.406"	200
1 RUBBER HOSE	1.00"	0.438"	200
1-1/4 RUBBER HOSE	1.25"	0.500"	200
1-1/2 RUBBER HOSE	1.50"	0.500"	200

Clamps

Stainless Worm Gear Clamps



Part Number	Size
6202	5/8"
6206	7/8"
6712	3/4"
6716	1"
6720	1-1/4"
6724	1-1/2"
6732	2"

Crimp Clamps & Tools



Part Number	Size
KS3210	1/2"
KS3271	3/4"
KS3331	1"
KS3425	1-1/4"
KS3485	1-1/2"
A2000	Short Handle Crimp Tool
A2005	Long Handle Crimp Tool
A2100	Side Jaw Crimp Tool

Center Punch Clamps



Part Number	Size
FS6	1-1/2"
FS7	1-3/4"
FS8	2"
FS9	2-1/4"
FS10	2-1/2"
FS11	2-3/4"
FS12	3"
FS14	3-1/2"
FS16	4"
FS18	4-1/2"
FS24	6"
FS28	7"
F100	Center Punch Tool

Spiral Hose Clamp



Part Number	Description
SCCW200	2" Counter Clockwise Spiral Clamp
SCCW300	3" Counter Clockwise Spiral Clamp
SCCW400	4" Counter Clockwise Spiral Clamp
SCCW600	6" Counter Clockwise Spiral Clamp
SCCW800	8" Counter Clockwise Spiral Clamp
SCCW1000	10" Counter Clockwise Spiral Clamp
SCCW1200	12" Counter Clockwise Spiral Clamp

Used with Kuriyama convoluted suction hose

Supra/Super Clamps



Part Number	Size
030-1901-2	11/16" - 3/4"
030-1902-0	3/4" - 13/16"
030-1903-9	13/16" - 29/32"
030-1904-7	29/32" - 1"
030-1905-5	1" - 1-1/16"
030-1906-3	1-1/16" - 1-5/32"
030-1907-1	1-5/32" - 1-7/32"
030-1908-0	1-7/32" - 1-5/16"
030-1909-8	1-5/16" - 1-7/16"
030-1910-0	1-7/16" - 1-9/16"
030-1911-9	1-9/16" - 1-11/16"
030-1912-7	1-11/16" - 1-7/8"
030-1913-5	1-7/8" - 2"
030-1914-3	2" - 2-5/32"
030-1915-1	2-5/32" - 2-5/16"
030-1916-0	2-5/16" - 2-1/2"
030-1917-8	2-1/2" - 2-11/16"
030-1918-6	2-11/16" - 2-7/8"

Part Number	Size
030-1919-4	2-7/8" - 3-1/8"
030-1920-7	3-1/8" - 3-11/32"
030-1921-5	3-11/32" - 3-9/16"
030-1922-3	3-9/16" - 3-13/16"
030-1923-1	3-13/16" - 4-3/32"
030-1924-0	4-3/32" - 4-3/8"
030-1925-8	4-3/8" - 4-3/4"
030-1926-6	4-3/4" - 5-1/8"
030-1816-0	5-1/8" - 5-1/2"
030-1817-5	5-1/2" - 5-7/8"
030-1818-3	5-7/8" - 6-3/8"
030-1819-1	6-3/8" - 6-7/8"
030-1820-4	6-7/8" - 7-3/8"
030-1821-2	7-3/8" - 7-15/16"
030-1822-0	7-15/16" - 8-7/16"
030-1823-9	8-7/16" - 8-15/16"
030-1824-7	8-15/16" - 9-7/16"
030-1825-5	9-7/16" - 9-15/16"

Drainage Pipe

Corrugated Single Wall Coils



Part Number	Description
10030403	4" x 100' Solid
10030404	4" x 100' Perforated
10030413	4" x 100' Socked
10030408	4" x 250' Solid
10030409	4" x 250' Perforated

Part Number	Description
10030415	4" x 250' Socked
10030461	4" x 250' Solid (Yellow)
10030600	6" x 100' Solid
10030601	6" x 100' Perforated
10030608	6" x 100' Socked

Corrugated Single Wall Lengths



Part Number	Description
10030800	8" x 20' Solid
10030801	8" x 20' Perforated
10030809	8" x 20' Socked
10031001	10" x 20' Solid
10031002	10" x 20' Perforated
10031005	10" x 20' Socked

Part Number	Description
10031201	12" x 20' Solid
10031202	12" x 20' Perforated
10031206	12" x 20' Socked
10031501	15" x 20' Solid
10031502	15" x 20' Perforated
10031504	15" x 20' Socked

Corrugated Dual Wall Lengths (Smooth Flow)



Part Number	Description
10020610	6" x 20' Solid - Belled End
10020822	8" x 20' Solid - Belled End
10021010	10" x 20' Solid - Belled End
10021206	12" x 20' Solid - Belled End
10021507	15" x 20' Solid - Belled End
10021808	18" x 20' Solid - Belled End

Part Number	Description
10022421	24" x 20' Solid - Belled End
10023021	30" x 20' Solid - Belled End
10023621	36" x 20' Solid - Belled End
10024220	42" x 20' Solid - Belled End
10024820	48" x 20' Solid - Belled End
10020617	60" x 20' Solid - Belled End

Triple Wall Pipe



Part Number	Description
10010424	4" x 10' Solid
10010425	4" x 10' Perf. 2-Hole
10010426	4" x 10' Perf. 3-Hole
10010622	6" x 10' Solid
10010623	6" x 10' Perf. 2-Hole



SDR35 Drain Pipe Fittings

Tee - hub x hub x hub



Part Number	Size
NDS3P01	3"
NDS4P01	4"
NDS6P01	6"
NDS64P01	6 X 4"
NDS8P01	8"
NDS84P01	8X4"
NDS86P01	8X6"

45deg Wye - hub x hub x hub



Part Number	Size
NDS3P08	3"
NDS4P08	4"
NDS6P08	6"
NDS64P08	6x4"
NDS8P08	8"
NDS84P08	8x4"
NDS86P08	8x6"

Cross - hub x hub x hub x hub



Part Number	Size
NDS4P1X	4"

90deg Elbow - hub x hub



Part Number	Size
NDS3P02	3"
NDS4P02	4"
NDS6P02	6"
NDS8P02	8"

90deg St Elbow - hub x spigot



Part Number	Size
NDS31P0	3"
NDS41P0	4"
NDS61P0	6"

90 Long St Elbow- hub x spigot



Part Number	Size
NDS31POST	3"
NDS41POST	4"

45deg Elbow - hub x hub



Part Number	Size
NDS3P03	3"
NDS4P03	4"
NDS6P03	6"
NDS8P03	8"

45deg St Elbow - hub x spigot



Part Number	Size
NDS3P03ST	3"
NDS4P03ST	4"
NDS6P03ST	6"

22-1/2 Elbow - hub x hub



Part Number	Size
NDS3P04	3"
NDS4P04	4"
NDS6P04	6"

Coupler - hub x hub



Part Number	Size
NDS3P05	3"
NDS4P05	4"
NDS6P05	6"
NDS8P05	8"

End Cap - hub



Part Number	Size
NDS3P06	3"
NDS4P06	4"
NDS6P06	6"
NDS8P06	8"

Bushing - hub x spigot



Part Number	Size
NDS3P07	3" x 4"
NDS6P07S	4" x 6"

Reducing coupler - hub x hub



Part Number	Size
NDS4P07	3X4"
NDS6P07	4X6"
NDS8P07	6X8"

Cleanout plug - mpt



Part Number	Size
NDS31P8	3"
NDS41P8	4"
NDS61P8	6"

Downspout Adapter



Part Number	Size
NDS9P03	2X3X3 hub
NDS9P04	2X3X4 hub
NDS9P06	3X4X4 hub
NDS9P10	4X6X6 hub
NDS9P13	3X4X4 offset

Female Cleanout Adapter



Part Number	Size
NDS413P	4"



Double Cleanout Tee



Part Number	Size
NDS417P	4"

Corrugated Pipe Fittings

Internal Couplers



Part Number	Size
10050420	4"
10050620	6"
10050820	8"
10051024	10"
10051202	12"

Bell Couplers



Part Number	Size
10050421	4"
10050621	6"
10050823	8"
10051023	10"
10051233	12"

Split Couplers



Part Number	Size
10051022	10"
10051222	12"
10051522	15"
10051844	18"
10052422	24"

90° Elbows



Part Number	Size
10050417	4"

Tees



Part Number	Size
10050415	4"
10050615	6"
10050817	8"
10051017	10"
10051215	12"

Reducing Blind Tees



Part Number	Size
10050827	8"
10051027	10"
10051227	12"
10051527	15"
10051815	18"

Wyes



Part Number	Size
10050416	4"
10050616	6"

Pipe Adapters



Part Number	Size
10050418	4" Clay to Corr.
10050419	4" PVC to Corr.
10050618	6" Clay to Corr.
10050818	8" Clay to Corr.

Downspout Adapters



Part Number	Size
10050424	2" x 3" x 4"
10050426	3" x 4" x 4"

Reducing Couplers



Part Number	Size
10050630	6" x 5" x 4"
10050830	8" x 6"
10051030	10" x 8"
10051230	12" x 10"
10051531	15" x 12" x 10"

End Caps



Part Number	Size
10050428	4"
10050628	6"
10050828	8"
10051028	10"
10051228	12"

Dual Wall Reducing Couplers



Part Number	Size
10041039	10" x 8"
10041245	12" x 10"
10041544	15" x 12"
10041845	18" x 15"
10042451	24" x 18"

Dual Wall 22-1/2° Elbows



Part Number	Size
10041044	10"
10041251	12"
10041551	15"
10041852	18"
10042457	24"

Dual Wall 45° Elbows



Part Number	Size
10041045	10"
10041252	12"
10041552	15"
10041853	18"
10042458	24"

Dual Wall 90° Elbows



Part Number	Size
10041046	10"
10041253	12"
10041553	15"
10041854	18"
10042459	24"

Dual Wall Wyes



Part Number	Size
10041048	10"
10041254	12"
10041554	15"
10041855	18"
10042460	24"

Dual Wall Tees



Part Number	Size
10041048	10"
10041255	12"
10041555	15"
10041856	18"
10042461	24"

Dual Wall Reducing Tees



Part Number	Size
10041042	10" x 8"
10041249	12" x 10"
10041549	15" x 12"
10041850	18" x 15"
10042456	24" x 18"

Drainage Accessories

Sump Liners & Lids



Part Number	Description
10051835	Liner - 18" x 24"
10051836	Liner - 18" x 30"
10051838	Lid - 18" Solid
10051842	Lid - 18" Slotted

Plastic End Sections



Part Number	Size
40061200	12"/15"
40061800	18"
40062400	24"
40063000	30"
40063600	36"

StormTech® Chambers



Part Number	Size
SC-160LP	85.4" x 25" x 12" Std Cover
SC-310	85.4" x 34" x 16" Std Cover
SC-740	85.4" x 51" x 30" Std Cover
DC-740	85.4" x 51" x 30" Deep Cover
MC-3500	90" x 77" x 45" Max Cover

Animal Guards



Part Number	Size
40160424	4"
40160625	6"
40160822	8"
40161022	10"
40161222	12"

Intake Guards



Part Number	Size
40160499	4"
40160699	6"
40160899	8"
40161099	10"
40161299	12"

Tile Tape



Part Number	Size
1137KA	2" x 108'

PVC to PVC Rubber Couplings



Part Number	Size
A256-22	2" x 2"
A256-32	3" x 2"
A256-33	3" x 3"
A256-42	4" x 2"
A256-43	4" x 3"
A256-44	4" x 4"
A256-64	6" x 4"
A256-66	6" x 6"
A256-86	8" x 6"
A256-88	8" x 8"
A256-1010	10" x 10"
A256-1212	12" x 12"

Clay to PVC Rubber Couplings



Part Number	Size
A202-44	4" x 4"
A202-64	6" x 4"
A202-66	6" x 6"
A202-88	8" x 8"

PVC Rubber Cap



Part Number	Size
SC-150	1-1/2"
SC-200	2"
SC-300	3"
SC-400	4"
SC-600	6"
SC-800	8"



Catch Basins & Grates

Square Catch Basins & Kits



Part Number	Description
NDS900BLKIT	9" Kit-Black-2 Adpt&plugs
NDS900GRKIT	9" Kit-Green-2 Adpt&plugs
NDS120BLKIT	12" Kit-Black-2 Adpt&plugs
NDS120GRKIT	12" Kit-Green-2 Adpt&plugs
NDS1882BLKIT	18" Kit-Black-2 Adpt&plugs
NDS1884	18" 4 hole Universal

Flat Square Grates



Part Number	Description
NDS980	9" - Black-Square-Flat
NDS990	9" - Green-Square-Flat
NDS1211	12" - Black-Square-Flat
NDS1212	12" - Green-Square-Flat
NDS1811	18" - Black-Square-Flat
NDS1812	18" - Green-Square-Flat

Atrium Square Grates



Part Number	Description
NDS981	9" - Black - Atrium
NDS991	9" - Green - Atrium
NDS12	12" - Black - Atrium
NDS12	12" - Green - Atrium
NDS1881	18" - Black - Atrium
NDS1891	18" - Green - Atrium

Basin Adapters & Accessories



Part Number	Description
DBAAP	Basin Plug
DBAA34	3"or4" Basin Adapter
DBAAO34	3"or4" Offset Basin Adapter
DBAA6	6" Basin Adapter
NDS1241	4" SDR35 x 3"or4" Corrugated

Round Catch Basins



Part Number	Description
NDS101	6" - 1 Outlet
NDS201	6" - 2 Outlet

Round Drain Grates



Part Number	Description
DG4RFB	4" - Black-Round-Flat
DG4RFG	4" - Green-Round-Flat
NDS40	6" - Black-Round-Flat
NDS50	6" - Green-Round-Flat
NDS90	6" - Black-Round-Atrium
NDS80	6" - Green-Round-Atrium

Channel Drains & Fittings



Part Number	Description
NDS8003	10' Micro Channel
NDS8473	Micro End Plug
NDS8481	Micro Coupling
NDS500	6" Mini Channel
NDS547	Mini End Plug
NDS548	Mini Coupling

Channel Drain Grates



Part Number	Description
NDS540	3' Mini Grate-White
NDS541	3' Mini Grate-Grey
NDS543	3' Mini Grate-Black
NDS544	3' Mini Grate-Sand
NDS551	3' Mini Grate-Brick Red
NDS552B	3' Mini Grate-Brass

Pop-Up Valves



Part Number	Description
NDS420	4" Pop-Up Only for 4" SDR35
NDS421	4" Valve and 90 Elbow
NDS430	4" Valve, Elbow, & Univ Adapter
NDS1241	4" Univ Adpt to Corrugated Tile
NDS4P02	4" SDR35 Elbow

Pipe Connection Index



Notation	Description
RB	Ring Lock Bell
RM	Ring Lock Male
RV	Ring Lock Valve Stub
SB	Short Hook & Latch Bell
SM	Short Hook & Latch Male
UB	Universal Hook & Latch Bell
UM	Universal Hook & Latch Male

Notation	Description
FIPT	Female Iron Pipe Thread
MIPT	Male Iron Pipe Thread
IF	IPS Flange
HB	Hose Barb
PE	Plain End
IB	IPS Bell End
IM	IPS Male End

Weld Fittings



Deep Bell End

RB x PE

Part Number	Size
1007-41	2
1007-42	3
1007-43	4
1007-44	5
1007-45	6
1007-47	8



90° Elbow

PE x PE

Part Number	Size
1097-12	3
1097-13	4
1097-15	6
1110-05	8
1110-06	10
1110-07	12



Concentric Cone

PE x PE

Part Number	Size
1081-02	3 x 2
1081-03	4 x 2
1081-09	4 x 3
1081-10	5 x 3
1081-14	5 x 4
1081-15	6 x 4
1081-19	6 x 5
1081-24	8 x 6
1081-29	9 x 8
1081-30	10 x 8
1081-34	12 x 10



Short Bell End

RB x PE

Part Number	Size
1669-42	4
1669-44	6
1669-46	8
1669-47	10
1669-48	12



45° Elbow

PE x PE

Part Number	Size
1100-12	3
1100-13	4
1100-15	6
1111-05	8
1111-06	10
1111-07	12



Flat Disc

Part Number	Size
1067-02	2
1067-05	3
1067-09	4
1067-11	5
1067-14	6
1067-21	8
1067-25	10
1067-29	12



Male End

RM x PE

Part Number	Size
1678-02	4
1676-02	6
1676-04	8
1676-05	10
1676-06	12



Hose Adapter

PE x Hose

Part Number	Size
1790-02	3
1790-04	4
1790-05	4-1/2
1790-06	5
1790-07	6
1790-08	8



Tee
IB x IB x IB

Part Number	Size
1457-06	3"
1457-09	4"
1459-07	6"
1459-13	8"
1455-02	10"
1460-10	12"



45° Elbow
IB x IB

Part Number	Size
1553-03	3"
1553-04	4"
1555-01	6"
1555-02	8"
1555-03	10"
1555-04	12"



Reducing Coupler
IB x IB

Part Number	Size
1527-06	4 x 3
1528-06	6 x 3
1527-08	6 x 4
1528-07	8 x 4
1527-10	8 x 6
1528-04	10 x 4
1528-09	10 x 6
1527-11	10 x 8
1527-06	12 x 6
1528-10	12 x 8
1527-12	12 x 10



Reducing Tee
IB x IB x IB

Part Number	Size
1457-08	4 x 4 x 3
1462-15	4 x 4 x 6
1480-19	6 x 4 x 4
1459-04	6 x 6 x 3
1459-05	6 x 6 x 4
1468-18	6 x 6 x 8
1481-05	8 x 6 x 6
1459-09	8 x 8 x 3
1459-10	8 x 8 x 4
1459-12	8 x 8 x 6
1459-16	10 x 10 x 4
1459-18	10 x 10 x 6
1455-01	10 x 10 x 8
1460-05	12 x 12 x 4
1460-07	12 x 12 x 6
1460-08	12 x 12 x 8
1460-09	12 x 12 x 10



22-1/2° Elbow
IB x IB

Part Number	Size
1564-03	3"
1564-04	4"
1564-05	6"
1564-06	8"
1564-07	10"
1564-08	12"



Reducing Coupler
IM x IB

Part Number	Size
1532-06	4 x 3
1533-06	6 x 3
1532-08	6 x 4
1534-03	8 x 3
1533-07	8 x 4
1532-10	8 x 6
1534-04	10 x 4
1533-09	10 x 6
1532-11	10 x 8
1534-06	12 x 6
1533-10	12 x 8
1532-12	12 x 10



Cross
IB x IB x IB x IB

Part Number	Size
1494-04	3"
1495-01	4"
1497-09	6"
1497-12	8"
1501-01	10"
1496-10	12"



90° Elbow
IB x IB

Part Number	Size
1552-03	3"
1552-04	4"
1554-01	6"
1554-02	8"
1554-03	10"
1554-04	12"



Repair Coupler
IB x IB

Part Number	Size
1576-03	3"
1578-01	4"
1578-02	6"
1578-03	8"
1578-04	10"
1579-01	12"



Saddle Tee
IPS x FIPT

Part Number	Size
1311-82	6 x 3
1312-82	8 x 3
1313-82	10 x 3
1314-82	12 x 3
1311-83	6 x 4
1312-83	8 x 4
1313-83	10 x 4
1314-83	12 x 4



Dresser Body

Part Number	Size
1594-12	4"
1594-13	5"
1594-14	6"
1594-15	8"
1594-16	10"
1594-17	12"



Dresser Flange Pack

Nominal Part#	IPS Part#	Size
1649-02	1647-02	4"
1649-03	1647-03	5"
1649-04	1647-04	6"
1649-05	1647-05	8"
1649-06	1647-06	10"
1649-07	1647-07	12"



Service Tee

IB x IB x FIPT

Part Number	Size
1359-01	3 x 2
1359-03	3 x 3
1360-04	4 x 2
1361-02	4 x 3
1361-03	4 x 4
1364-04	6 x 2
1365-02	6 x 3
1365-03	6 x 4
1365-05	6 x 6
1367-03	8 x 2
1368-02	8 x 3
1368-03	8 x 4
1370-03	10 x 2
1372-01	10 x 3
1372-02	10 x 4
1372-03	12 x 2
1375-02	12 x 3
1376-01	12 x 4



Tee Riser

IM x IB x RV

Part Number	Size	Rise
1236-05	4 x 4 x 4	36"
1236-06	4 x 4 x 4	42"
1238-05	6 x 6 x 4	36"
1238-06	6 x 6 x 4	42"
1240-05	8 x 8 x 4	36"
1240-06	8 x 8 x 4	42"
1243-05	10 x 10 x 4	36"
1243-06	10 x 10 x 4	42"
1239-05	6 x 6 x 6	36"
1239-06	6 x 6 x 6	42"
1241-05	8 x 8 x 6	36"
1241-06	8 x 8 x 6	42"
1244-05	10 x 10 x 6	36"
1244-06	10 x 10 x 6	42"



Cap

IB

Part Number	Size
1588-03	3"
1588-04	4"
1588-06	6"
1588-07	8"
1588-08	10"
1588-09	12"



Plug

IM

Part Number	Size
1584-03	3"
1584-04	4"
1584-06	6"
1584-07	8"
1584-08	10"
1584-09	12"



Tee Riser

IB x IB x RV

Part Number	Size	Rise
1220-05	4 x 4 x 4	36"
1220-06	4 x 4 x 4	42"
1223-05	6 x 6 x 4	36"
1223-06	6 x 6 x 4	42"
1226-05	8 x 8 x 4	36"
1226-06	8 x 8 x 4	42"
1229-05	10 x 10 x 4	36"
1229-06	10 x 10 x 4	42"
1224-05	6 x 6 x 6	36"
1224-06	6 x 6 x 6	42"
1227-05	8 x 8 x 6	36"
1227-06	8 x 8 x 6	42"
1230-05	10 x 10 x 6	36"
1230-06	10 x 10 x 6	42"



Cap Riser

IB x RV

Part Number	Size	Rise
1252-05	4 x 4	36"
1252-06	4 x 4	42"
1254-05	6 x 4	36"
1254-06	6 x 4	42"
1256-05	8 x 4	36"
1256-06	8 x 4	42"
1259-05	10 x 4	36"
1259-06	10 x 4	42"
1255-05	6 x 6	36"
1255-06	6 x 6	42"
1257-05	8 x 6	36"
1257-06	8 x 6	42"
1260-05	10 x 6	36"
1260-06	10 x 6	42"

Pierce Fittings - Galvanized Above Ground



Bell End

RB x Plain End

Part Number	Size
1671-72	4"
1671-74	6"
1671-76	8"
1671-77	10"
1671-78	12"



90° Elbow

RB x RM

Part Number	Size
1796-62	4"
1797-61	6"
1797-63	8"
1797-64	10"
1797-65	12"



Hose Adapter

RM x Hose

Part Number	Size
1843-02	4 x 4
1843-04	6 x 6
1843-05	8 x 8
1843-08	4 x 4-1/2



Male End

RM x Plain End

Part Number	Size
1677-12	4"
1675-12	6"
1675-14	8"
1675-15	10"
1675-16	12"



45° Elbow

RB x RM

Part Number	Size
1799-62	4"
1798-61	6"
1798-63	8"
1798-64	10"
1798-65	12"



Plug

RM

Part Number	Size
3206-01	4"
3206-03	6"
3206-05	8"
3206-06	10"
3206-07	12"



End Tee

RB x RB x RM

Part Number	Size
1181-61	4"
1181-63	6"
1181-65	8"
1181-66	10"
1181-67	12"



Line Reducer

RM x RB

Part Number	Size
1838-62	6 x 4
1838-65	8 x 6
1838-66	10 x 8
1838-67	12 x 10



Discharge Adapter

RB x MIPT

Part Number	Size
3116-70	6 x 4
3116-17	8 x 6
3117-04	6 x 3
3117-66	8 x 4
3146-08	6 x 6
3146-66	4 x 4



Line Tee

RB x RM x RB

Part Number	Size
1504-62	4"
1506-64	6"
1507-65	8"
1509-61	10"
1680-67	12"



Hose Adapter

RB x Hose

Part Number	Size
1842-62	4 x 4
1842-64	6 x 6
1842-65	8 x 8
0009-35	4 x 4-1/2



Butterfly Valve

RM x RB

Part Number	Size
1823-61	6"
1824-61	8"
1825-61	10"
1826-61	12"

Pierce Fittings - Galvanized Above Ground



Lateral Coupler

UB x PE x FIPT

Part Number	Size
1016-66	2 x 2 x 1
1898-62	3 x 3 x 1
1016-68	4 x 4 x 1



90° Elbow

UB x UM

Part Number	Size
1103-61	2
1104-61	3
1105-61	4
1107-61	6



Hose Adapter

UM x Hose

Part Number	Size
1791-02	3 x 3
1791-04	4 x 4
1791-05	4 x 4-1/2



Mainline Coupler

UB x PE

Part Number	Size
1014-72	3 x 3
1014-73	4 x 4



45° Elbow

UB x UM

Part Number	Size
1121-61	2
1122-61	3
1123-61	4
1125-61	6



Plug

UM

Part Number	Size
1087-01	2
1087-02	3
1087-03	4
1087-05	6



End Tee

UB x UB x UM

Part Number	Size
1079-61	2 x 2 x 2
1077-61	3 x 3 x 3
1077-62	4 x 4 x 4
1078-62	6 x 6 x 6



Line Reducer

UM x UB

Part Number	Size
1085-61	3 x 2
1085-62	4 x 2
1085-63	4 x 3
1085-65	5 x 4
1085-68	6 x 4



Discharge Adapter

UB x MIPT

Part Number	Size
1739-63	2 x 2
1740-63	3 x 2
1739-65	3 x 3
1740-67	4 x 3
1739-66	4 x 4
1740-70	6 x 4



Line Tee

UB x UM x UB

Part Number	Size
1092-61	2 x 2 x 2
1091-61	3 x 3 x 2
1091-62	3 x 3 x 3
1090-62	4 x 4 x 3
1090-63	4 x 4 x 4
1089-64	6 x 6 x 6



Hose Adapter

UB x Hose

Part Number	Size
1788-62	3 x 3
1788-63	4 x 4
1791-05	4 x 4-1/2



Band Assembly

UM

Part Number	Size
1034-01	2
1035-01	3
1036-81	4
1036-83	6
1037-82	8



Pierce Fittings - Galvanized Above Ground



Lateral Coupler

SB x PE x FIPT

Part Number	Size
2215RBSL-2	2 x 2 x 1
2215RBSL-3	3 x 3 x 1
2215RBSL-4	4 x 4 x 1
2215RBSL-5	5 x 5 x 1
2215RBSL-6	6 x 6 x 1



90° Elbow

SB x SM

Part Number	Size
2150RBSL-2	2
2150RBSL-3	3
2150RBSL-4	4
2150RBSL-5	5
2150RBSL-6	6



Hose Adapter

SM x Hose

Part Number	Size
2205RBSL-2	2 x 2
2205RBSL-3	3 x 3
2205RBSL-4	4 x 4



Mainline Coupler

SB x PE

Part Number	Size
2210RBSL-2	2
2210RBSL-3	3
2210RBSL-4	4
2210RBSL-5	5
2210RBSL-6	6



45° Elbow

SB x SM

Part Number	Size
2160RBSL-2	2
2160RBSL-3	3
2160RBSL-4	4
2160RBSL-5	5
2160RBSL-6	6



Plug

SM

Part Number	Size
2185RBSL-2	2
2185RBSL-3	3
2185RBSL-4	4
2185RBSL-5	5



End Tee

SB x SB x SM

Part Number	Size
2130RBSL-2	2 x 2 x 2
2130RBSL-3	3 x 3 x 3
2130RBSL-433	4 x 3 x 3
2130RBSL-4	4 x 4 x 4
2130RBSL-644	6 x 4 x 4
2130RBSL-6	6 x 6 x 6



Line Reducer

SM x SB

Part Number	Size
2180RBSL-32	3 x 2
2180RBSL-43	4 x 3
2180RBSL-64	6 x 4
2180RBSL-65	6 x 5



Discharge Adapter

SB x MIPT

Part Number	Size
2050RBSL-22	2 x 2
2050RBSL-33	3 x 3
2050RBSL-44	4 x 4
2050RBSL-43	4 x 3
2050RBSL-53	5 x 3
2050RBSL-64	6 x 4



Line Tee

SB x SM x SB

Part Number	Size
2120RBSL-2	2 x 2 x 2
2120RBSL-332	3 x 3 x 2
2120RBSL-3	3 x 3 x 3
2120RBSL-443	4 x 4 x 3
2120RBSL-433	4 x 3 x 3
2120RBSL-4	4 x 4 x 4



Hose Adapter

SB x Hose

Part Number	Size
2200RBSL-2	2 x 2
2200RBSL-3	3 x 3
2200RBSL-4	4 x 4



Band Assembly

SM

Part Number	Size
2275RBSL-2	2
2275RBSL-3	3
2275RBSL-4	4
2275RBSL-5	5
2275RBSL-6	6





Valve Opener Elbow

RB x RB

Part Number	Size
1716-65	4 x 4
1716-72	6 x 4
1716-74	6 x 6



Valve Opener Elbow

RB x UB

Part Number	Size
1694-62	3 x 3
1694-64	4 x 3
1694-65	4 x 4
1694-72	6 x 4
1694-74	6 x 6



Valve Opener Elbow

RB x SB

Part Number	Size
2095RBSL-43	4 x 3
2095RBSL-44	4 x 4
2095RBSL-64	6 x 4



Valve Opener Tee

RB x UB x UB

Part Number	Size
1711-64	4 x 3 x 3
1711-65	4 x 4 x 4
1711-72	6 x 4 x 4
1711-74	6 x 6 x 6



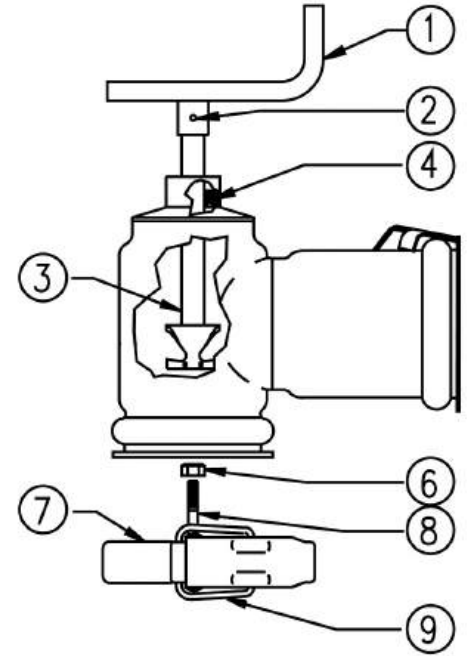
Ring Valve Stub

MIPT x RV

Part Number	Size
1729-01	3
1729-02	4
1729-04	6
1729-05	8

Valve Opener Parts

Part #	Ref. #	Description
1681-01	1	Handle w/ Collar, 3" to 6"
1174-01	1	Handle w/ Collar, 8"
2107-06	2	Roll Pin, 3" to 6"
2107-11	2	Roll Pin, 8"
1191-01	3	Stem & Yoke, 3" to 4"
1191-02	3	Stem & Yoke, 5" to 6"
1683-01	3	Stem & Yoke, 8"
2100-01	4	Chevron Gasket, 3" to 6"
2101-01	4	Chevron Gasket, 8"
2031-02	6	1/4" Lock Nut
1679-01	7	Ring Lock Clamp, 3"
1679-02	7	Ring Lock Clamp, 4"
1679-03	7	Ring Lock Clamp, 5"
1679-04	7	Ring Lock Clamp, 6"
1679-05	7	Ring Lock Clamp, 8"
2018-10	8	Lock Bolt 1/4" x 3-1/2"
2308-01	9	Clamp Bail, 3" to 8"



Lateral Ring Valve

UB x UM x RV

Part Number	Size
1072-62	4 x 4 x 3
1073-61	4 x 4 x 4
1073-63	6 x 6 x 4



Lateral Ring Valve

SB x SM x RV

Part Number	Size
2080RBSL-3	3 x 3 x 3
2080RBSL-443	4 x 4 x 3
2080RBSL-4	4 x 4 x 4
2080RBSL-664	6 x 6 x 4



Ring Valve Disc

Part Number	Size
1059-01	3
1060-01	4
1061-01	5
1062-01	6
1063-01	8



Ring Valve Stem

Part Number	Description
2086-01	3" & 4" Stub Valves
2086-02	5" & 6" Stub Valves
2114-01	8" Stub Valves

Pierce Fittings



Check Valves

IF x IF

Part Number	Size
1755-01	4
1753-01	6
1753-02	8
1753-03	10



Chemigation Valves

IF x IF

Part Number	Size
1775-61	4
1778-61	6
1778-62	8
1778-63	10



Chemigation Spools

IF x IF

Part Number	Size
3299-61	4
3299-63	6
3299-64	8
3299-65	10
3431-61	12



Flange Tee

IF x IF x IF

Part Number	Size
3223-31	4
3223-36	6
3224-26	8



Flange Elbow-90

IF x IF

Part Number	Size
3435-11	4
3435-12	6
3435-13	8



Flange Adapters

Part Number	Size
0021-92	4 IF x 4 RM
0039-16	6 IF x 6 RM
0016-68	8 IF x 8 RM
3279-62	4 IF x 4 RB
3279-64	6 IF x 6 RB
3279-65	8 IF x 8 RB



Flange Gaskets

Full Face Red Rubber

Part Number	Size
2347-00	2
2347-01	3
2347-02	4
2347-03	5
2347-04	6
2347-05	8
2347-06	10
2347-07	12



Roundback Gaskets

RB, UB, & SB

Part Number	Size
1616-01	2
1617-01	3
1618-01	4
1619-01	5
1620-01	6
1622-01	8
1624-01	10
1625-01	12



Epoxy Fitting Gaskets

IB

Part Number	Size
1602-01	3"
1603-01	4"
1605-01	6"
1606-01	8"
1607-01	10"
1608-01	12"



Hold Bands

Part Number	Size
2300-03	4
2300-04	5
2300-05	6
2300-07	8



Saddle Gaskets

Epoxy Saddles

Part Number	Description
2121-01	6" Saddles
2121-02	8" - 12" Saddles



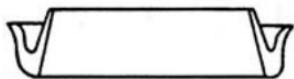
Ring Lock Clamps

RL

Part Number	Size
2123-08	4"
2123-01	5"
2123-02	6"
2123-03	8"
2123-04	10"
2123-05	12"

Pipe Gaskets

Champion



Part #	Size
100565	2"
100570	3"
100575	4"
100600	5"
100625	6"
100630	8"

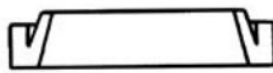
Diamond



PGP Vulcan (Watergate)

Part #	Size
106088	6"
106090	8"
106092	10"
106094	12"

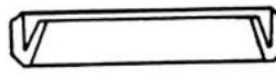
Felton



Non-Drain Type
Kroy

Part #	Size
101145	2"
101150	3"
101175	4"
101200	6"
101225	8"
101250	10"

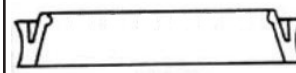
Gheen



Non-Drain Type
Fits Linday, Midwest, Band & Hook, and Cozad

Part #	Size
102040	2"
102045	3"
102050	4"
102075	5"
102100	6"
102125	8"
102150	10"
102155	12"

McDowell



Non-Drain Type

Part #	Size
102870	2"
102875	3"
102900	4"
102901	5"
102905	6"

Moore-Rane



Non-Drain Type

Part #	Size
103226	2"
103227	3"
103228	4"
103229	5"
103230	6"
103231	7"
103232	8"

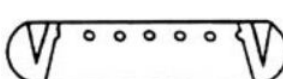
Pierce



Non-Drain Type
Ames QCL, Old Style A&M,
Atlas, Decoto, and Rainway

Part #	Size
1616-01	2"
1617-01	3"
1618-01	4"
1619-01	5"
1620-01	6"
1622-01	8"
1624-01	10"
1625-01	12"

Pierce



Drain Type
Ames QCL, Old Style A&M,
Atlas, Decoto, and Rainway

Part #	Size
103300	3"
103325	4"
103330	5"

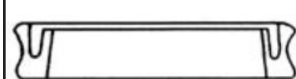
Race & Race



(Linklock)

Part #	Size
103722	2"
103724	3"
103726	4"
103727	5"
103730	6"
103732	8"

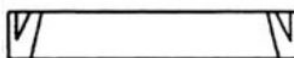
Rain-Control



(Hardie)

Part #	Size
103749	2"
103750	3"
103751	4"
103752	5"
103753	6"

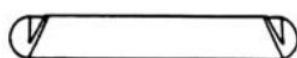
Rainway



Square Back
Non-Drain Type

Part #	Size
103830	2"
103831	3"
103834	6"
103835	8"

Rainway



Round Back
Non-Drain Type

Part #	Size
103825	3"

For all other sizes use Pierce Round Back gaskets

Redi-Rain



Non-Drain Type

Part #	Size
103900	2"
103925	3"
103950	4"
103975	5"
104000	6"
104025	8"
104050	12"

Ravit



Part #	Size
103842	2"
103843	3"
103844	4"
103846	6"

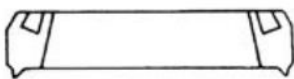
Shur-Rane



Chevron
Non-Drain Type

Part #	Size
105365	3"
105370	4"
105373	5"
105375	6"
105425	8"

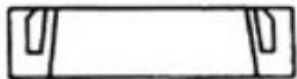
Shur-Rane



New Style
Non-Drain Type

Part #	Size
105500	2" (Drain Type)
105300	3"
105325	4"
105575	5" (Drain Type)
105350	6"
105600	8" (Drain Type)
105450	10"
105460	12"

Shur-Rane



Old Style
Non-Drain Type

Part #	Size
105634	2"
105635	3"
105637	4"
105638	5"
105639	6"
105640	7"

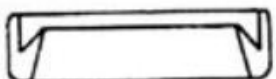
Wade Rain



Slow Drain Type

Part #	Size
106475	2"
106500	3"
106525	4"
106550	5"
106575	6"
106625	8"
106650	10"

Western



Non-Drain Type
Ireco Old Style (A&M, T&L,
Band & Hook, Pierce Flat Back)

Part #	Size
106300	2"
106325	3"
106350	4"
106375	5"
106400	6"
106425	8"

Flange



Full Face Red Rubber

Part #	Size
2347-00	2"
2347-01	3"
2347-02	4"
2347-03	5"
2347-04	6"
2347-05	8"
2347-06	10"
2347-07	12"

Other pipe gaskets are available

Quick-Coupling Riser Valves



- Supports 6' riser of 1" pipe
- 1" FIPT

Part Number	Description
6-100F1W	Complete Assembly
6-100 COLLAR	Collar Only
6-100 BALL	Check Ball Only
6-100 OPENER	Valve Opening Riser Point



- Supports 6' riser of 1" pipe
- 1" MIPT

Part Number	Description
6-100 LAWN	Complete Assembly
6-100 COLLAR	Collar Only
6-100 BALL	Check Ball Only
6-100 OPENER	Valve Opening Riser Point



- Supports 10' riser of 1" pipe
- 1" MIPT

Part Number	Description
10-100 AG	Complete Assembly
10-100 COLLAR	Collar Only
10-100 BALL	Check Ball Only
10-100 OPENER	Valve Opening Riser Point

Aluminum Pipe Fittings

Bell Reducer



Part Number	Description
1 X 1/2 ZAMAC CO	1" FIPT X 1/2" FIPT
1 X 3/4 ZAMAC CO	1" FIPT X 3/4" FIPT

Sleeve Coupling



Part Number	Description
1/2 ZAMAC COUPLI	1/2" FIPT
3/4 ZAMAC COUPLI	3/4" FIPT
1 ZAMAC COUPLING	1" FIPT

Pipe Plug



Part Number	Description
1 ZAMAC PLUG	1" MIPT

Bushing

Part Number	Description
1 X 3/4 ZAMAC BU	1" MIPT X 3/4" FIPT

Aluminum Riser: 1" MIPT x 3/4" FIPT

Part Number	Length
RAL-112-012	12"
RAL-112-015	15"
RAL-112-018	18"
RAL-112-020	20"
RAL-112-024	24"
RAL-112-036	36"
RAL-112-048	48"



Aluminum Riser: 1" MIPT x 1/2" FIPT

Part Number	Length
RAL-113-006	6"
RAL-113-012	12"
RAL-113-018	18"
RAL-113-024	24"
RAL-113-030	30"
RAL-113-036	36"
RAL-113-048	48"



The Cima Advantage:

The technological delivery system is able to treat more area of canopy with less water. The simple transmission requires less maintenance and the fan absorbs less horsepower than conventional air-blast sprayers. All CIMA's can be fitted with one of many custom spray heads to target the treatment into the canopy with minimal over spray.



Cima Trailer Sprayer

Model	T45/200	T45/300	T50/300	T50/400 2P	T55E/400 2P	T55E/525 2P
Tank Size	200 gal.	300 gal.	300 gal.	400 gal.	400 gal.	525 gal.
Min. PTO HP	35	40	55	60	85	75
Air Volume-CFM's	3178	3178	4444	4444	9123	9123
Air Speed	180-185	180-185	180-185	180-185	180-185	180-185
Dry Weight	837 lbs.	914 lbs.	1020 lbs.	1289 lbs.	1358 lbs.	1554 lbs.
Size L x W x H	131"x41-50"x52"	135"x54-74"x54"	140"x54-74"x54"	165"x61-80"x57"	171"x63-83"x59"	171"x70-90"x58"

Better Coverage with Less Water

The Low Volume Ventri style sprayer makes droplets in the 100-150 micron range. A high pressure sprayer commonly makes droplets in the 250-400 micron range. Since liquid droplets are three dimensional, when you break down the larger droplet it has many smaller droplets inside of that large droplet, therefore you will have many more available for better coverage. This type of spray method also allows to not have to spray to a drip unlike typical high pressure sprayers. The venturi style delivery system coats all the surfaces of the canopy with air speeds around 170-200 mph and achieves a better quality coverage and yields a cleaner crop.

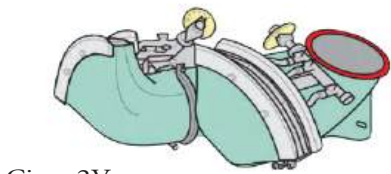


Cima 3Point Sprayer

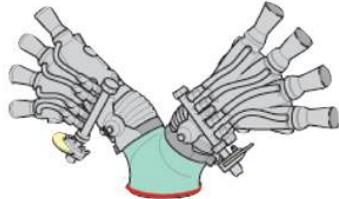
Model	P42/80	P42/100	P45/100	P50/100	P50/165	P55/165
Tank Size	80 gal.	100 gal.	100 gal.	100 gal.	165 gal.	165 gal.
Min. PTO HP	20	20	35	45	50	70
Air Volume-CFM's	2400	2400	3178	4444	4444	9123
Air Speed	180-185	180-185	180-185	180-185	180-185	180-185
Dry Weight	429 lbs.	440 lbs.	456 lbs.	507 lbs.	537 lbs.	551 lbs.
Size L x W x H	54"x 37"x 46"	54"x 44"x 46"	54"x 44"x 46"	57"x 44"x 46"	57"x 57"x 46"	58"x 57"x 48"

Cima Sprayhead Options

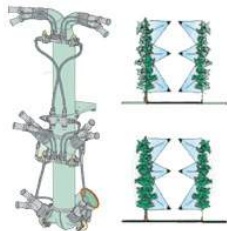
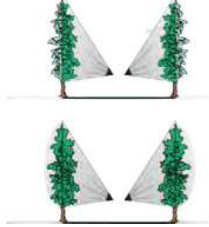
Cima manufacturers over 40 different Sprayhead styles to fit your crops growing need



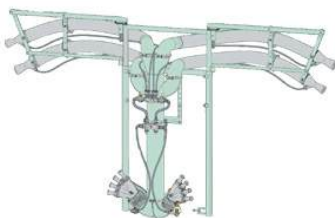
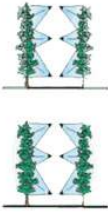
Cima 2V



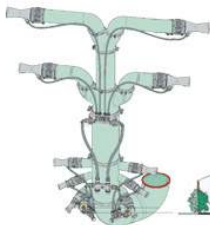
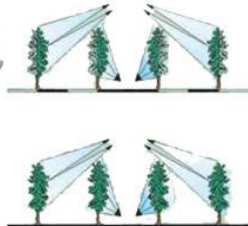
Cima 4X4



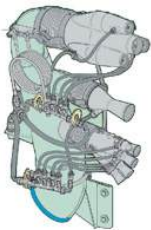
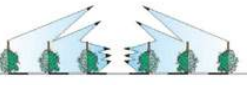
Cima 6 Duals



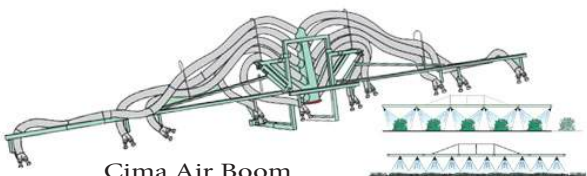
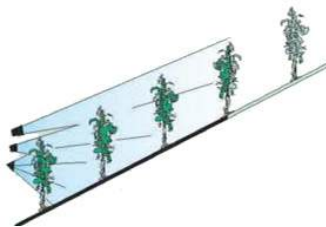
Cima 2Q4C



Cima Potatoe



Cima RC High or Low



Cima Air Boom

Cima Trailer Sprayer with 4M4C head & hydr movement



P35 Small Acre Sprayer

The P35 is just the right size for the small acres or start up grower. The Cifarelli blower produces 225mph air flow with small droplets from 100-150 microns. Perfect for disease and insect control at low gallon rates. The Fan-Tail spray head is ideal for close dense crops. The 30gal tank will cover about 1 acre per fillup.



BDI
P35



Engine	2 stroke
Power	5 HP
Fuel	Oil & Gas Mix
Air Volume	706 CFM
Air Speed	225 MPH
Tank Size	30 gallon
12 Volt Dual Pump	14 GPM
Weight	125 lbs.
Dimensions LxWxH	36"x34"x36"

M1200 Backpack Sprayer

The Cifarelli backpack sprayer has a 5hp engine and a large 4.5 gal tank capable of treating 1/2 acre vineyard or hopyard. All made possible by the Low Volume difference.



M1200

Engine	2 stroke
Power	5 HP
Displacement	77cc
Fuel	Oil & Gas Mix
Fuel Tank Size	1/2 gal
Air Volume	706 CFM
Air Speed	225 MPH
Chem Tank Size	4.5 gallon
Liquid Output	15 oz./min
Weight	26 lbs.
Dimensions LxWxH	20"x15"x29"

Rinieri Orchard & Vineyard Machinery

Innovative Agricultural machinery for vineyard, nursery, and orchard processing: Pruning machines, offset machines, mowers, shredders, soil tillage machines, rotary tillers, and cultivators. The Rinieri's have been manufacturing since 1922 and incorporate the latest technology to make the user experience even more enjoyable. Rinieri offers equipment in all sizes and configurations to meet your growing needs. See them all on **YouTube**

Please contact a Spring Brook salesperson for more details and options .



CRL Reciprocating Trimmer



Scissor like cutting system with double blade/ tooth movement make an ideal cut including the strongest vine shoots. Single or two sided configurations of many sizes are available.

CRV Blade-Style Trimmer



Designed for summer vineyard pruning. The hydraulic multi purpose frame is equipped with a spring shock proof system and are front mounted. Single, two sided and "Upside down U" configurations of many sizes are available

BRM Hedge Trimmer

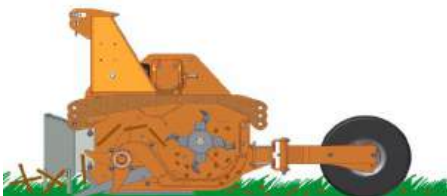


Tractor mounted Hedge Trimmer for cutting tree and edge pruning up to 3cm diameter. New frame and Sickle bar performs a perfect cut on both sides of tractor.

TRH Shredder & Hammermill



Ideal to shred prunings up to 2-1/2" dia. Hydraulic driven feeder-rotor brings the prunings into a space above the soil where the hammer rotor shreds the prunings at 2200rpm. The rear of the machine has a discharge grating with gauge holes to control size of discharged material.



EL In-Row Cultivator



Tractor 3pt. PTO gear drive the working tool and the hydraulic pump control the touch bar. The counter rotating vertical tines ensure optimum cultivating while keeping the soil level and not cause hardpan. Ideal for stony conditions and can handle tall weeds. Hydraulic tilt standard. Requires 40" between vines, trees, posts, etc. and 12"-14" below first trellis wire.

DRF Leaf Puller



The new double barrel leaf remover is the answer to the needs of the modern vineyards. The DRF removes the leaves from the grape zone which increases maturation time and aeration and then reducing spraying. DRF allows for perfect and safe removal of leaves without damaging the grapes. Aspiration is provided by a fan equipped with hyd motor.

Pruning Tools

Aluminum Loppers



- Heat-treated, forged steel blade
- Forged hook with self-cleaning sap groove
- Lightweight, high-strength aluminum handles
- Comfortable non-slip grips
- Lifetime Warranty



Part #	Length	Weight	Max Cut Dia.
AL 8321	19"	1.6 lbs	1-1/4"
AL 8441	26"	2.4 lbs	2-1/4"
AL 8462	32"	2.6 lbs	2-1/4"
AL 8482	36"	2.8 lbs	2-1/4"

Hardwood Loppers



- Heat-treated, forged steel blade
- Forged hook with self-cleaning sap groove
- Hickory hardwood handles
- Comfortable non-slip grips
- Lifetime Warranty



Part #	Length	Weight	Max Cut Dia.
WL 6321	20"	1.8 lbs	1-1/4"
WL 6431	26"	3 lbs	2-1/4"
WL 6461	32"	3.4 lbs	2-1/4"
WL 6470	36"	3.6 lbs	2-1/4"

Hand Pruners

- Forged steel alloy blade
- Sap groove keeps blades from sticking
- Wire-cutting notch on BP 3180



Part #	Description
BP 3160	3/4" Bypass Pruner
BP 3180	1" Bypass Pruner

Folding Saws

- Tempered steel alloy blade
- Curved blade design for faster cutting
- Ergonomic handle design
- 7 teeth per inch
- Plastic models equipped with a replaceable locking blade



Part #	Description
RS 7245	7" Plastic Folding Saw
RS 7255	8" Plastic Folding Saw
RS 7265	10" Plastic Folding Saw
PS 4040	8" Wood Folding Saw
PS 4050	10" Wood Folding Saw
PS 7020	14" Wood Folding Saw

Thinning Shears

- Forged steel alloy blades
- Scissor cutting action
- Narrow blades for tight spaces
- Right or Left hand use



Part #	Description
AG 4930	Straight Snip Pruner
FS 4350	Straight Thinning Shear

Pole Pruners

- Pruning head with 1" diameter cutting capacity
- Compound-action pulley system triples your cutting power
- 15" curved saw blade
- Lightweight fiberglass pole telescopes to 12'



Part #	Description
TP 3811	10' Dual Action Pole Saw
TP 3841	12' Dual Action Pole Saw

Hedge Shears

- Resharpenable forged steel alloy blades
- Top-grade hardwood handles
- Limb notch for larger branches
- Comfortable non-slip grips



Part #	Description
HS 3911	8-1/4" Hedge Shears
HS 6960	10" Hedge Shears

Pruning Tools & Accessories

Aluminum Loppers



- Heat-treated, alloy steel blade & hook
- Lightest professional grade loppers on the market
- Full lineup of replacement parts
- Lifetime Warranty

Part #	Description	Handle Length
426A	26" Loppers	20"
428A	28" Loppers	22"
430A	30" Loppers	24"
432A	32" Loppers	26"
436A	36" Loppers	30"

Hardwood Loppers



- Heat-treated, alloy steel blade & hook
- Lightest professional grade loppers on the market
- Full lineup of replacement parts
- Lifetime Warranty

Part #	Description	Handle Length
426W	26" Loppers	20"
428W	28" Loppers	22"
430W	30" Loppers	24"
432W	32" Loppers	26"
436W	36" Loppers	30"



Hickok Lopper Parts

Part #	Description
141P	Bolt/Nut Wood Handle - Pair
146	Sharpening Stone
400	Blade
405	Hook
411	Center Bolt
413	Lock Nut
415	Bumper Assembly
441P	Bolt/Nut Aluminum Handle - Pair
442	Cap for Aluminum Handle

Barnel USA Loppers



Barnel USA offers the Best of the Best in Design, Steel Alloys, Aluminum, and Ergonomics. Top notch product performance, saving our customers time and energy, is just one of their goals. Product longevity is another



Part #	Description
OR32A	32" Orchard Loppers - 2" capacity
OR36A	36" Orchard Loppers - 2" capacity
B3	Center Bolt w/ Oiler,Nut, Spring
OR1	Blade
OR2	Hook
415	Bumper
32A	Handle for 32"
36A	Handle for 36"
B32A	32" Tree Lopper - 2-1/2" capacity
B36A	36" Tree Lopper - 2-1/2" capacity



Hasegawa Tripod Ladders are the safest, most stable and practical garden ladders around. These aluminum, tripod ladders are used all over Japan and Europe and now in the U.S., by gardeners and nurserymen. Our customers include tree surgeons, topiary specialists, institutional and estate gardeners, orchard owners, hedging contractors, and landscapers. Countless gardening enthusiasts appreciate the stability and practicality of the tripod design.



The **wide base, deep steps, telescopic back leg**, as well as **broad clawed feet and flat top** make the Hasegawa Tripod Ladder incredibly safe and easy to use. Similar to the design of the Eiffel Tower, your weight is directed downwards and outwards, pinning the ladder to the ground.

The back leg adjusts quickly and easily with a spring-loaded pin, shortening up to 18" with 6" stops.

The ladders are welded, extruded aluminum construction, weatherproof, strong and very light. Double rungs are easy on the feet, and resist getting muddy or slippery.

The ladder is available in two models: the original GSC model and the GSU model that includes a platform step. The GSU model benefits from a deeper platform step, suitable for longer use, being the safest, most user-friendly ladder. The GSC model is available in sizes from six to 16 feet, and the GSU can be purchased in sizes ranging from six feet to 12 feet.

SPECIAL ORDERS ONLY

ANSI 1A Certified Tripod Ladder-300lbs

Part #	Height	Base width	Weight
GSC-6AS	6'	4'	19 lbs.
GSC-8AS	8'	4'	24 lbs.
GSC-10AS	10'	4 3/4'	30 lbs.
GSC-12AS	12'	4 3/4'	37 lbs.
GSC-16AS	16'	4 3/4'	42 lbs.

ANSI 1A Certified Platform Tripod Ladder

Part #	Height	Base width	Weight
GSU-6AS	6'	4'	19 lbs.
GSU-8AS	8'	4'	24 lbs.
GSU-10AS	10'	4 3/4'	31 lbs.
GSU-12AS	12'	4 3/4'	39 lbs.



SPECIAL ORDERS ONLY

Part #	Height	Base	Weight
TRI04	4'	34.5"	14 lbs.
TRI06	6'	38.5"	16 lbs.
TRI08	8'	42"	18 lbs.
TRI10	10'	45"	24 lbs.
TRI12	12'	50"	29 lbs.
TRI14	14'	51.5"	33 lbs.
TRI16	16'	58"	39 lbs.



Decco's postharvest solutions include coatings, cleaners, sanitizers, fungicides, growth regulators and antiscald Coatings

Part #	Product	Description	Purpose	USDA Organic	Package Qty
6212005	Apple Luster 225	Shellac Luster w/o Morpholine	Apples	N	52 Gal. Drum
6212006	Apple Luster 229	Shellac Wax Luster	Apples	N	55 Gal. Drum
6212008	Apple Luster 275	High Shine Shellac Luster w/o Alcohol	Apples	N	55 Gal. Drum
6212174	Carnauba Premium	Fast Dry Wax Luster	Apples	N	55 Gal. Drum
6212056	Decco Apple-Brite 400C	Standard High Shine Luster	Apples	N	55 Gal. Drum
6212062	Decco Luster FD	Fast Drying Shellac Luster	Apples	N	55 Gal. Drum
6212064	DeccoNatur 520	Bee & Carnauba Wax	Apples	Y	55 Gal. Drum
6212064	DeccoNatur 575	Shellac from Oranges	Apples	Y	55 Gal. Drum
6212058	Multi-Luster	Clear Mineral Oil Luster	Peaches & Vegetables	N	55 Gal. Drum
6212097	PNP Luster 251	Mineral Oil Luster	Peaches,Plums,Nectarines	N	55 Gal. Drum
6212100	PNP Luster 282	Mineral Oil Luster	Peaches,Plums,Nectarines	N	55 Gal. Drum
6212105	Premium Apple Luster	Shellac High Luster	Apples	N	55 Gal. Drum
6212145	Vegetable Luster 227F	Mineral Oil Luster	Vegetables	N	55 Gal. Drum
6212797	Decco Tomakote 8	Coating & Ripening	Tomatoes	N	55 Gal. Drum

Cleaners & Sanitizers

Part #	Product	Description	Purpose	USDA Organic	Package Qty
5212010	Agclor 310	Bleach	12% Sodium Hypochlorite	Y	52 Gal. Drum
6212065	Deconatur Equip Clean	Equipment Cleaner	Surface & Room Cleaning	N	55 Gal. Drum
6212068	Deccosan 315	Sanitizer	Surface & Room Cleaning	N	55 Gal. Drum
6212042	Equipment cleaner	Cleaner	Wax Stripping	N	55 Gal. Drum
5212083	Sanidate 5.0	Sanitizer	Bacteria Prevention	N	55 Gal. Drum
5212087	Sanidate 12.0	Sanitizer	Bacteria Prevention	N	55 Gal. Drum
5212090	Sanidate FD	Sanitizer	Bacteria Prevention	Y	55 Gal. Drum
5212072	Keeper	Chlorine Diioxide	Disinfectant	N	55 Gal. Drum
6212003	Apl Klee 246	Acid Soap	Calcuim Deposit Remover	N	55 Gal. Drum
6212066	Deconatur Kleen	Organic Soap	Fruit & Vegetable Cleaner	Y	55 Gal. Drum
6212082	F&V Kleen 241	High Foam PH Nuetral Soap	Fruit & Vegetable Cleaner	N	55 Gal. Drum
6212085	F&V Kleen 340	Low Foam PH Nuetral Soap	Fruit & Vegetable Cleaner	N	55 Gal. Drum
6212088	F&V Kleen 440	Low Foam PH Nuetral Soap	Fruit & Vegetable Cleaner	N	55 Gal. Drum
6212090	F&V Kleen 441	High Foam PH Nuetral Soap	Wax Stripping Cleaner	N	55 Gal. Drum

Friction Loss Charts

Polyethylene(PE) SDR Pressure Rate Tube (2306, 3206, 3306) SDR 7, 9, 11.5, 15 C=150																			PSI Loss Per 100 Ft.	
Size	1/2"		3/4"		1"		1-1/4"		1-1/2"		2"		2-1/2"		3"		4"		6"	
I.D.	0.622		0.824		1.049		1.38		1.610		2.067		2.469		3.068		4.026		6.065	
Flow Rate	Velocity	Pressure Loss	Velocity	Pressure Loss	Velocity	Pressure Loss	Velocity	Pressure Loss	Velocity	Pressure Loss	Velocity	Pressure Loss	Velocity	Pressure Loss	Velocity	Pressure Loss	Velocity	Pressure Loss	Velocity	Pressure Loss
gpm	fps	psi	fps	psi	fps	psi	fps	psi	fps	psi	fps	psi	fps	psi	fps	psi	fps	psi	fps	psi
1	1.06	0.43	0.60	0.11	0.37	0.03	0.21	0.01	0.16	0.00	0.10	0.00	0.07	0.00	0.04	0.00	0.03	0.00	0.01	0.00
2	2.11	1.55	1.20	0.39	0.74	0.12	0.43	0.03	0.32	0.02	0.19	0.00	0.13	0.00	0.09	0.00	0.05	0.00	0.02	0.00
3	3.17	3.28	1.80	0.83	1.11	0.26	0.64	0.07	0.47	0.03	0.29	0.01	0.20	0.00	0.13	0.00	0.08	0.00	0.03	0.00
4	4.22	5.58	2.41	1.42	1.48	0.44	0.86	0.12	0.63	0.05	0.38	0.02	0.27	0.01	0.17	0.00	0.10	0.00	0.04	0.00
5	5.28	8.43	3.01	2.15	1.86	0.66	1.07	0.17	0.79	0.08	0.48	0.02	0.34	0.01	0.22	0.00	0.13	0.00	0.06	0.00
6	6.34	11.81	3.61	3.01	2.23	0.93	1.29	0.24	0.95	0.12	0.57	0.03	0.40	0.01	0.26	0.01	0.15	0.00	0.07	0.00
7	7.39	15.71	4.21	4.00	2.60	1.24	1.50	0.33	1.10	0.15	0.67	0.05	0.47	0.02	0.30	0.01	0.18	0.00	0.08	0.00
8	8.45	20.12	4.81	5.12	2.97	1.58	1.72	0.42	1.26	0.20	0.76	0.06	0.54	0.02	0.35	0.01	0.20	0.00	0.09	0.00
9	9.50	25.01	5.41	6.37	3.34	1.97	1.93	0.52	1.42	0.24	0.86	0.07	0.60	0.03	0.39	0.01	0.23	0.00	0.10	0.00
10	10.56	30.40	6.02	7.74	3.71	2.39	2.15	0.63	1.58	0.30	0.96	0.09	0.67	0.04	0.43	0.01	0.25	0.00	0.11	0.00
11	11.61	36.26	6.62	9.23	4.08	2.85	2.36	0.75	1.73	0.35	1.05	0.11	0.74	0.04	0.48	0.02	0.28	0.00	0.12	0.00
12	12.67	42.59	7.22	10.84	4.45	3.35	2.57	0.88	1.89	0.42	1.15	0.12	0.80	0.05	0.52	0.02	0.30	0.00	0.13	0.00
14	14.78	56.64	8.42	14.42	5.20	4.45	3.00	1.17	2.21	0.55	1.34	0.16	0.94	0.07	0.61	0.02	0.35	0.01	0.16	0.00
16	16.89	72.52	9.63	18.46	5.94	5.70	3.43	1.50	2.52	0.71	1.53	0.21	1.07	0.09	0.69	0.03	0.40	0.01	0.18	0.00
18	19.01	90.17	10.83	22.95	6.68	7.09	3.86	1.87	2.84	0.88	1.72	0.26	1.21	0.11	0.78	0.04	0.45	0.01	0.20	0.00
20			12.03	27.89	7.42	8.62	4.29	2.27	3.15	1.07	1.91	0.32	1.34	0.13	0.87	0.05	0.50	0.01	0.22	0.00
22			13.24	33.27	8.17	10.28	4.72	2.71	3.47	1.28	2.10	0.38	1.47	0.16	0.95	0.06	0.55	0.01	0.24	0.00
24			14.44	39.08	8.91	12.07	5.15	3.18	3.78	1.50	2.29	0.45	1.61	0.19	1.04	0.07	0.60	0.02	0.27	0.00
26			15.64	45.32	9.65	14.00	5.58	3.69	4.10	1.74	2.49	0.52	1.74	0.22	1.13	0.08	0.66	0.02	0.29	0.00
28			16.85	51.98	10.39	16.06	6.01	4.23	4.41	2.00	2.68	0.59	1.88	0.25	1.22	0.09	0.71	0.02	0.31	0.00
30			18.05	59.05	11.14	18.24	6.44	4.80	4.73	2.27	2.87	0.67	2.01	0.28	1.30	0.10	0.76	0.03	0.33	0.00
35					12.99	24.26	7.51	6.39	5.52	3.02	3.35	0.89	2.35	0.38	1.52	0.13	0.88	0.03	0.39	0.00
40					14.85	31.06	8.58	8.18	6.30	3.86	3.82	1.15	2.68	0.48	1.74	0.17	1.01	0.04	0.44	0.01
45					16.71	38.62	9.65	10.17	7.09	4.80	4.30	1.42	3.02	0.60	1.95	0.21	1.13	0.06	0.50	0.01
50					18.56	46.94	10.73	12.36	7.88	5.84	4.78	1.73	3.35	0.73	2.17	0.25	1.26	0.07	0.56	0.01
55							11.80	14.74	8.67	6.96	5.26	2.06	3.69	0.87	2.39	0.30	1.39	0.08	0.61	0.01
60							12.87	17.32	9.46	8.18	5.74	2.43	4.02	1.02	2.60	0.36	1.51	0.09	0.67	0.01
65							13.94	20.08	10.24	9.49	6.21	2.81	4.36	1.18	2.82	0.41	1.64	0.11	0.72	0.01
70							15.02	23.03	11.03	10.88	6.69	3.23	4.69	1.36	3.04	0.47	1.76	0.13	0.78	0.02
75							16.09	26.17	11.82	12.36	7.17	3.66	5.03	1.54	3.25	0.54	1.89	0.14	0.83	0.02
80							17.16	29.49	12.61	13.93	7.65	4.13	5.36	1.74	3.47	0.60	2.02	0.16	0.89	0.02
85							18.23	32.99	13.40	15.58	8.13	4.62	5.70	1.95	3.69	0.68	2.14	0.18	0.94	0.02
90							19.31	36.67	14.18	17.32	8.61	5.14	6.03	2.16	3.91	0.75	2.27	0.20	1.00	0.03
95									14.97	19.14	9.08	5.68	6.37	2.39	4.12	0.83	2.39	0.22	1.06	0.03
100									15.76	21.05	9.56	6.24	6.70	2.63	4.34	0.91	2.52	0.24	1.11	0.03
110									17.34	25.11	10.52	7.44	7.37	3.14	4.77	1.09	2.77	0.29	1.22	0.04
120									18.91	29.49	11.47	8.74	8.04	3.68	5.21	1.28	3.02	0.34	1.33	0.05
130											12.43	10.14	8.71	4.27	5.64	1.48	3.28	0.40	1.44	0.05
140											13.39	11.63	9.38	4.90	6.08	1.70	3.53	0.45	1.55	0.06
150											14.34	13.21	10.05	5.56	6.51	1.93	3.78	0.52	1.67	0.07
160											15.30	14.89	10.72	6.27	6.94	2.18	4.03	0.58	1.78	0.08
170											16.25	16.65	11.39	7.01	7.38	2.44	4.28	0.65	1.89	0.09
180											17.21	18.51	12.06	7.80	7.81	2.71	4.54	0.72	2.00	0.10
190											18.17	20.46	12.73	8.62	8.25	2.99	4.79	0.80	2.11	0.11
200											19.12	22.50	13.40	9.48	8.68	3.29	5.04	0.88	2.22	0.12
225													15.08	11.78	9.76	4.09	5.67	1.09	2.50	0.15
250													16.75	14.32	10.85	4.98	6.30	1.33	2.78	0.18
275													18.43	17.08	11.93	5.94	6.93	1.58	3.05	0.22
300															13.02	6.97	7.56	1.86	3.33	0.25
325															14.10	8.09	8.19	2.16	3.61	0.29
350															15.19	9.27	8.82	2.47	3.89	0.34
375															16.27	10.54	9.45	2.81	4.16	0.38
400															17.36	11.87	10.08	3.16	4.44	0.43
425															18.44	13.28	10.71	3.54	4.72	0.48
450															19.53	14.76	11.34	3.93	5.00	0.54
475																	11.97	4.35	5.28	0.59
500																	12.60	4.78	5.55	0.65
550																	13.86	5.70	6.11	0.78
600																	15.12	6.70	6.66	0.91



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Friction Loss Charts

PVC Class 160 IPS Plastic Pipe - (1120, 1220) SDR 26 C=150

PSI Loss Per 100 Ft.

Size I.D.	1"		1-1/4"		1-1/2"		2"		2-1/2"		3"		4"		6"	
	1.195		1.532		1.754		2.193		2.655		3.230		4.154		6.115	
Flow Rate	Velocity	Pressure Loss	Velocity	Pressure Loss	Velocity	Pressure Loss	Velocity	Pressure Loss	Velocity	Pressure Loss	Velocity	Pressure Loss	Velocity	Pressure Loss	Velocity	Pressure Loss
gpm	fps	psi	fps	psi	fps	psi	fps	psi	fps	psi	fps	psi	fps	psi	fps	psi
1	0.29	0.02	0.17	0.01	0.13	0.00	0.08	0.00	0.06	0.00	0.04	0.00	0.02	0.00	0.01	0.00
2	0.57	0.06	0.35	0.02	0.27	0.01	0.17	0.00	0.12	0.00	0.08	0.00	0.05	0.00	0.02	0.00
3	0.86	0.14	0.52	0.04	0.40	0.02	0.25	0.01	0.17	0.00	0.12	0.00	0.07	0.00	0.03	0.00
4	1.14	0.23	0.70	0.07	0.53	0.04	0.34	0.01	0.23	0.00	0.16	0.00	0.09	0.00	0.04	0.00
5	1.43	0.35	0.87	0.11	0.66	0.05	0.42	0.02	0.29	0.01	0.20	0.00	0.12	0.00	0.05	0.00
6	1.72	0.49	1.04	0.15	0.80	0.08	0.51	0.03	0.35	0.01	0.23	0.00	0.14	0.00	0.07	0.00
7	2.00	0.66	1.22	0.20	0.93	0.10	0.59	0.03	0.41	0.01	0.27	0.01	0.17	0.00	0.08	0.00
8	2.29	0.84	1.39	0.25	1.06	0.13	0.68	0.04	0.46	0.02	0.31	0.01	0.19	0.00	0.09	0.00
9	2.57	1.04	1.57	0.31	1.20	0.16	0.76	0.05	0.52	0.02	0.35	0.01	0.21	0.00	0.10	0.00
10	2.86	1.27	1.74	0.38	1.33	0.20	0.85	0.07	0.58	0.03	0.39	0.01	0.24	0.00	0.11	0.00
11	3.15	1.51	1.91	0.45	1.46	0.23	0.93	0.08	0.64	0.03	0.43	0.01	0.26	0.00	0.12	0.00
12	3.43	1.78	2.09	0.53	1.59	0.27	1.02	0.09	0.70	0.04	0.47	0.01	0.28	0.00	0.13	0.00
14	4.00	2.36	2.44	0.71	1.86	0.37	1.19	0.12	0.81	0.05	0.55	0.02	0.33	0.01	0.15	0.00
16	4.58	3.02	2.78	0.90	2.12	0.47	1.36	0.16	0.93	0.06	0.63	0.02	0.38	0.01	0.17	0.00
18	5.15	3.76	3.13	1.12	2.39	0.58	1.53	0.20	1.04	0.08	0.70	0.03	0.43	0.01	0.20	0.00
20	5.72	4.57	3.48	1.36	2.66	0.71	1.70	0.24	1.16	0.09	0.78	0.04	0.47	0.01	0.22	0.00
22	6.29	5.45	3.83	1.63	2.92	0.84	1.87	0.28	1.27	0.11	0.86	0.04	0.52	0.01	0.24	0.00
24	6.87	6.40	4.18	1.91	3.19	0.99	2.04	0.33	1.39	0.13	0.94	0.05	0.57	0.01	0.26	0.00
26	7.44	7.43	4.53	2.22	3.45	1.15	2.21	0.39	1.51	0.15	1.02	0.06	0.62	0.02	0.28	0.00
28	8.01	8.52	4.87	2.54	3.72	1.32	2.38	0.44	1.62	0.18	1.10	0.07	0.66	0.02	0.31	0.00
30	8.58	9.68	5.22	2.89	3.98	1.50	2.55	0.50	1.74	0.20	1.17	0.08	0.71	0.02	0.33	0.00
35	10.01	12.87	6.09	3.84	4.65	1.99	2.97	0.67	2.03	0.26	1.37	0.10	0.83	0.03	0.38	0.00
40	11.44	16.48	6.96	4.92	5.31	2.55	3.40	0.86	2.32	0.34	1.57	0.13	0.95	0.04	0.44	0.01
45	12.87	20.49	7.83	6.12	5.98	3.17	3.82	1.07	2.61	0.42	1.76	0.16	1.07	0.05	0.49	0.01
50	14.30	24.90	8.70	7.43	6.64	3.85	4.25	1.30	2.90	0.51	1.96	0.20	1.18	0.06	0.55	0.01
55	15.73	29.70	9.57	8.87	7.30	4.59	4.67	1.55	3.19	0.61	2.15	0.24	1.30	0.07	0.60	0.01
60	17.16	34.89	10.44	10.42	7.97	5.39	5.10	1.82	3.48	0.72	2.35	0.28	1.42	0.08	0.66	0.01
65	18.59	40.45	11.31	12.08	8.63	6.25	5.52	2.11	3.77	0.83	2.55	0.32	1.54	0.09	0.71	0.01
70	20.02	46.40	12.18	13.85	9.29	7.17	5.95	2.42	4.06	0.95	2.74	0.37	1.66	0.11	0.76	0.02
75			13.05	15.74	9.96	8.15	6.37	2.75	4.35	1.08	2.94	0.42	1.78	0.12	0.82	0.02
80			13.92	17.74	10.62	9.18	6.80	3.10	4.64	1.22	3.13	0.47	1.89	0.14	0.87	0.02
85			14.79	19.84	11.29	10.27	7.22	3.46	4.93	1.37	3.33	0.53	2.01	0.15	0.93	0.02
90			15.66	22.05	11.95	11.42	7.64	3.85	5.22	1.52	3.52	0.59	2.13	0.17	0.98	0.03
95			16.53	24.37	12.61	12.62	8.07	4.26	5.51	1.68	3.72	0.65	2.25	0.19	1.04	0.03
100			17.41	26.80	13.28	13.87	8.49	4.68	5.80	1.85	3.92	0.71	2.37	0.21	1.09	0.03
110			19.15	31.97	14.61	16.55	9.34	5.58	6.37	2.20	4.31	0.85	2.60	0.25	1.20	0.04
120					15.93	19.44	10.19	6.56	6.95	2.59	4.70	1.00	2.84	0.29	1.31	0.04
130					17.26	22.54	11.04	7.60	7.53	3.00	5.09	1.16	3.08	0.34	1.42	0.05
140					18.59	25.85	11.89	8.72	8.11	3.44	5.48	1.33	3.31	0.39	1.53	0.06
150					19.92	29.37	12.74	9.91	8.69	3.91	5.87	1.51	3.55	0.44	1.64	0.07
160							13.59	11.16	9.27	4.40	6.26	1.70	3.79	0.50	1.75	0.08
170							14.44	12.49	9.85	4.93	6.66	1.90	4.02	0.56	1.86	0.09
180							15.29	13.88	10.43	5.48	7.05	2.11	4.26	0.62	1.97	0.09
190							16.14	15.34	11.01	6.05	7.44	2.33	4.50	0.69	2.08	0.10
200							16.99	16.87	11.59	6.65	7.83	2.56	4.73	0.75	2.18	0.11
225							19.11	20.98	13.04	8.27	8.81	3.19	5.33	0.94	2.46	0.14
250									14.49	10.06	9.79	3.87	5.92	1.14	2.73	0.17
275									15.94	11.99	10.77	4.62	6.51	1.36	3.00	0.21
300									17.39	14.09	11.75	5.43	7.10	1.60	3.28	0.24
325									18.83	16.34	12.73	6.29	7.69	1.85	3.55	0.28
350											13.70	7.22	8.29	2.12	3.82	0.32
375											14.68	8.20	8.88	2.41	4.10	0.37
400											15.66	9.24	9.47	2.72	4.37	0.41
425											16.64	10.34	10.06	3.04	4.64	0.46
450											17.62	11.49	10.65	3.38	4.92	0.51
475											18.60	12.70	11.24	3.73	5.19	0.57
500											19.58	13.97	11.84	4.11	5.46	0.63
550													13.02	4.90	6.01	0.75
600													14.20	5.75	6.55	0.88

Friction Loss Charts

PVC Schedule 40 IPS Plastic Pipe - (1120, 1220) C=150

PSI Loss Per 100 Ft.

Size I.D.	1/2"		3/4"		1"		1-1/4"		1-1/2"		2"		2-1/2"		3"		4"		6"	
	0.622		0.824		1.049		1.38		1.610		2.067		2.469		3.068		4.026		6.065	
Flow Rate	Velocity	Pressure Loss	Velocity	Pressure Loss	Velocity	Pressure Loss	Velocity	Pressure Loss	Velocity	Pressure Loss	Velocity	Pressure Loss	Velocity	Pressure Loss	Velocity	Pressure Loss	Velocity	Pressure Loss	Velocity	Pressure Loss
gpm	fps	psi	fps	psi	fps	psi	fps	psi	fps	psi	fps	psi	fps	psi	fps	psi	fps	psi	fps	psi
1	1.06	0.43	0.60	0.11	0.37	0.03	0.21	0.01	0.16	0.00	0.10	0.00	0.07	0.00	0.04	0.00	0.03	0.00	0.01	0.00
2	2.11	1.55	1.20	0.39	0.74	0.12	0.43	0.03	0.32	0.02	0.19	0.00	0.13	0.00	0.09	0.00	0.05	0.00	0.02	0.00
3	3.17	3.28	1.80	0.83	1.11	0.26	0.64	0.07	0.48	0.03	0.29	0.01	0.20	0.00	0.13	0.00	0.08	0.00	0.03	0.00
4	4.22	5.58	2.41	1.42	1.48	0.44	0.86	0.12	0.64	0.06	0.38	0.02	0.26	0.01	0.17	0.00	0.10	0.00	0.04	0.00
5	5.28	8.43	3.01	2.15	1.86	0.66	1.07	0.17	0.80	0.09	0.48	0.02	0.33	0.01	0.22	0.00	0.13	0.00	0.06	0.00
6	6.34	11.81	3.61	3.01	2.23	0.93	1.29	0.24	0.96	0.12	0.57	0.03	0.40	0.01	0.26	0.01	0.15	0.00	0.07	0.00
7	7.39	15.71	4.21	4.00	2.60	1.24	1.50	0.33	1.12	0.16	0.67	0.05	0.46	0.02	0.30	0.01	0.18	0.00	0.08	0.00
8	8.45	20.12	4.81	5.12	2.97	1.58	1.72	0.42	1.28	0.20	0.76	0.06	0.53	0.02	0.35	0.01	0.20	0.00	0.09	0.00
9	9.50	25.01	5.41	6.37	3.34	1.97	1.93	0.52	1.44	0.25	0.86	0.07	0.59	0.03	0.39	0.01	0.23	0.00	0.10	0.00
10	10.56	30.40	6.02	7.74	3.71	2.39	2.15	0.63	1.60	0.31	0.96	0.09	0.66	0.04	0.43	0.01	0.25	0.00	0.11	0.00
11	11.61	36.26	6.62	9.23	4.08	2.85	2.36	0.75	1.76	0.37	1.05	0.11	0.73	0.04	0.48	0.02	0.28	0.00	0.12	0.00
12	12.67	42.59	7.22	10.84	4.45	3.35	2.57	0.88	1.91	0.43	1.15	0.12	0.79	0.05	0.52	0.02	0.30	0.00	0.13	0.00
14	14.78	56.64	8.42	14.42	5.20	4.45	3.00	1.17	2.23	0.57	1.34	0.16	0.92	0.07	0.61	0.02	0.35	0.01	0.16	0.00
16	16.89	72.52	9.63	18.46	5.94	5.70	3.43	1.50	2.55	0.73	1.53	0.21	1.06	0.09	0.69	0.03	0.40	0.01	0.18	0.00
18	19.01	90.17	10.83	22.95	6.68	7.09	3.86	1.87	2.87	0.91	1.72	0.26	1.19	0.11	0.78	0.04	0.45	0.01	0.20	0.00
20			12.03	27.89	7.42	8.62	4.29	2.27	3.19	1.10	1.91	0.32	1.32	0.13	0.87	0.05	0.50	0.01	0.22	0.00
22			13.24	33.27	8.17	10.28	4.72	2.71	3.51	1.32	2.10	0.38	1.45	0.15	0.95	0.06	0.55	0.01	0.24	0.00
24			14.44	39.08	8.91	12.07	5.15	3.18	3.83	1.55	2.29	0.45	1.58	0.18	1.04	0.07	0.60	0.02	0.27	0.00
26			15.64	45.32	9.65	14.00	5.58	3.69	4.15	1.79	2.49	0.52	1.71	0.21	1.13	0.08	0.66	0.02	0.29	0.00
28			16.85	51.98	10.39	16.06	6.01	4.23	4.47	2.06	2.68	0.59	1.85	0.24	1.22	0.09	0.71	0.02	0.31	0.00
30			18.05	59.05	11.14	18.24	6.44	4.80	4.79	2.34	2.87	0.67	1.98	0.27	1.30	0.10	0.76	0.03	0.33	0.00
35					12.99	24.26	7.51	6.39	5.58	3.11	3.35	0.89	2.31	0.36	1.52	0.13	0.88	0.03	0.39	0.00
40					14.85	31.06	8.58	8.18	6.38	3.98	3.82	1.15	2.64	0.46	1.74	0.17	1.01	0.04	0.44	0.01
45					16.71	38.62	9.65	10.17	7.18	4.95	4.30	1.42	2.97	0.58	1.95	0.21	1.13	0.06	0.50	0.01
50					18.56	46.94	10.73	12.36	7.98	6.02	4.78	1.73	3.30	0.70	2.17	0.25	1.26	0.07	0.56	0.01
55							11.80	14.74	8.78	7.18	5.26	2.06	3.63	0.84	2.39	0.30	1.39	0.08	0.61	0.01
60							12.87	17.32	9.57	8.43	5.74	2.43	3.96	0.98	2.60	0.36	1.51	0.09	0.67	0.01
65							13.94	20.08	10.37	9.78	6.21	2.81	4.29	1.14	2.82	0.41	1.64	0.11	0.72	0.01
70							15.02	23.03	11.17	11.21	6.69	3.23	4.62	1.31	3.04	0.47	1.76	0.13	0.78	0.02
75							16.09	26.17	11.97	12.74	7.17	3.66	4.95	1.48	3.25	0.54	1.89	0.14	0.83	0.02
80							17.16	29.49	12.77	14.36	7.65	4.13	5.28	1.67	3.47	0.60	2.02	0.16	0.89	0.02
85							18.23	32.99	13.56	16.06	8.13	4.62	5.60	1.87	3.69	0.68	2.14	0.18	0.94	0.02
90							19.31	36.67	14.36	17.85	8.61	5.14	5.93	2.08	3.91	0.75	2.27	0.20	1.00	0.03
95									15.16	19.73	9.08	5.68	6.26	2.30	4.12	0.83	2.39	0.22	1.06	0.03
100									15.96	21.69	9.56	6.24	6.59	2.53	4.34	0.91	2.52	0.24	1.11	0.03
110									17.55	25.88	10.52	7.44	7.25	3.01	4.77	1.09	2.77	0.29	1.22	0.04
120									19.15	30.40	11.47	8.74	7.91	3.54	5.21	1.28	3.02	0.34	1.33	0.05
130											12.43	10.14	8.57	4.11	5.64	1.48	3.28	0.40	1.44	0.05
140											13.39	11.63	9.23	4.71	6.08	1.70	3.53	0.45	1.55	0.06
150											14.34	13.21	9.89	5.35	6.51	1.93	3.78	0.52	1.67	0.07
160											15.30	14.89	10.55	6.03	6.94	2.18	4.03	0.58	1.78	0.08
170											16.25	16.65	11.21	6.74	7.38	2.44	4.28	0.65	1.89	0.09
180											17.21	18.51	11.87	7.50	7.81	2.71	4.54	0.72	2.00	0.10
190											18.17	20.46	12.53	8.29	8.25	2.99	4.79	0.80	2.11	0.11
200											19.12	22.50	13.19	9.11	8.68	3.29	5.04	0.88	2.22	0.12
225													14.84	11.33	9.76	4.09	5.67	1.09	2.50	0.15
250													16.48	13.77	10.85	4.98	6.30	1.33	2.78	0.18
275													18.13	16.42	11.93	5.94	6.93	1.58	3.05	0.22
300															13.02	6.97	7.56	1.86	3.33	0.25
325															14.10	8.09	8.19	2.16	3.61	0.29
350															15.19	9.27	8.82	2.47	3.89	0.34
375															16.27	10.54	9.45	2.81	4.16	0.38
400															17.36	11.87	10.08	3.16	4.44	0.43
425															18.44	13.28	10.71	3.54	4.72	0.48
450															19.53	14.76	11.34	3.93	5.00	0.54
475																	11.97	4.35	5.28	0.59
500																	12.60	4.78	5.55	0.65
550																	13.86	5.70	6.11	0.78
600																	15.12	6.70	6.66	0.91



616-396-1956
info@springbrooksupply.com

Michigan Sales & Use Tax Certificate of Exemption

Michigan Department of Treasury
Form 3372 (Rev. 11-09)

Michigan Sales and Use Tax Certificate of Exemption

DO NOT send to the Department of Treasury. Certificate must be retained in the Seller's Records. This certificate is invalid unless all four sections are completed by the purchaser.

SECTION 1: TYPE OF PURCHASE

One-time purchase.
Order or Invoice Number: _____

Blanket certificate.
Expiration Date (maximum of four years): _____

Blanket Certificate. Recurring business relationship

The purchaser hereby claims exemption on the purchase of tangible personal property and selected services made from the vendor listed below. This certifies that this claim is based upon the purchaser's proposed use of the items or services, OR the status of the purchaser.

Vendor's Name and Address

SECTION 2: ITEMS COVERED BY THIS CERTIFICATE

Check one of the following:

- All items purchased
- Limited to the following items: _____

SECTION 3: BASIS FOR EXEMPTION CLAIM

Check one of the following:

- For Resale at Retail. Enter Sales Tax License Number: _____
- For Lease. Enter Use Tax Registration Number: _____

The following exemptions DO NOT require the purchaser to provide a number:

- For Resale at wholesale
- Agricultural Production. Enter percentage: _____%
- Industrial Processing. Enter percentage: _____%
- Church, Government Entity, Nonprofit School, or Nonprofit Hospital (Circle type of organization)
- Nonprofit Internal Revenue Code Section 501(c)(3) or 501(c)(4) Exempt Organization (must provide IRS authorized letter with this form)
- Nonprofit Organization with an authorized letter issued by the Michigan Department of Treasury prior to June 1994 (must provide copy of letter with this form)
- Rolling Stock purchased by an Interstate Motor Carrier
- Other (explain): _____

SECTION 4: CERTIFICATION

I declare, under penalty of perjury, that the information on this certificate is true, that I have consulted the statutes, administrative rules and other sources of law applicable to my exemption, and that I have exercised reasonable care in assuring that my claim of exemption is valid under Michigan law. In the event this claim is disallowed, I accept full responsibility for the payment of tax, penalty and any accrued interest, including, if necessary, reimbursement to the vendor for tax and accrued interest.

Type of Business (see codes on page 2)	Business Name
Business Address	City, State, ZIP Code
Business Telephone Number (include area code)	Name (Print or Type)
Signature and Title	Date Signed



11291 E. Lakewood Blvd. Holland, MI 49424

Billing Address

Shipping Address

Name: _____

Name: _____

Address: _____

Address: _____

City,State,Zip: _____

City,State,Zip: _____

Phone: _____

Phone: _____

Fax: _____

Fax: _____

General Information

Type of Business Individual____ Partnership____ Corporation____ State of Incorporation____

Date business started_____ Federal Tax I.D.# _____

Number of employees_____ Estimated annual sales _____

Are you tax exempt? Yes____ No____ (If yes, complete the attached tax exemption form.)

Amount of credit requested \$ _____

Company Officers

Name: _____

Title: _____

Name: _____

Title: _____

Authorized Buyers: _____

Phone: _____

Phone: _____

Accounts Payable: _____

Phone: _____

Invoices may be mailed or emailed. **Please indicate your preference.**

Mailing address: _____

E-mail address: _____

Purchase order required? Yes ____ No ____



Business References

To expedite processing of your application, please complete the following section and include Fax number or email. Please do not use common carriers or utilities as references. Thanks you.

Name: _____ Attn: _____

Address: _____

City,State,Zip: _____

Fax #: _____ E-mail: _____

Name: _____ Attn: _____

Address: _____

City,State,Zip: _____

Fax #: _____ E-mail: _____

Name: _____ Attn: _____

Address: _____

City,State,Zip: _____

Fax #: _____ E-mail: _____

Bank References

Name: _____ Contact: _____

Address: _____

City,State,Zip: _____

Phone: _____ Fax: _____ E-mail: _____

General Terms and Conditions

1. All sums are due net 30 days from date of invoice.
2. Any balance, which is more than 30 days old and is at no fault of Spring Brook Supply, will be subject to a delinquent fee of 1.5% per month until the balance is paid in full. If non-payment should occur, it is understood that the undersigned is responsible for all attorney fees, court costs and collection fees.
3. It is also understood that Spring Brook Supply holds a security interest in any and all goods supplied by Spring Brook Supply until the balance is paid in full.

I agree to comply with the credit terms of Spring Brook Supply and the conditions of sale and will pay any and all penalty charges on past due accounts. I realize these charges are a penalty for payment and not an offering of financing. In the event that attorney fees or other collection expenses are incurred in the collection of my account, I agree to pay all said fees and expenses. I hereby grant permission to those listed as bank and trade references to release information to Spring Brook Supply as required to establish commercial credit.

Signature: _____ Title: _____

Print or type name: _____ Date: _____

Must be signed to be valid

Email to info@springbrooksupply.com

Proud Members of:



Visit us at our convenient location

Please come visit us at our Store.
Conveniently located just 1-1/4
miles east of US-31 on Lakewood
Blvd.

Spring Brook Supply

11291 Lakewood Blvd.

Holland, MI 49424

616-396-1956

877-396-1956

info@springbrooksupply.com



616-396-1956
info@springbrooksupply.com



11291 Lakewood Blvd
Holland, MI 49424

**Delivering Quality Products,
Dependable Service
and Customer Satisfaction
since 1981.**

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