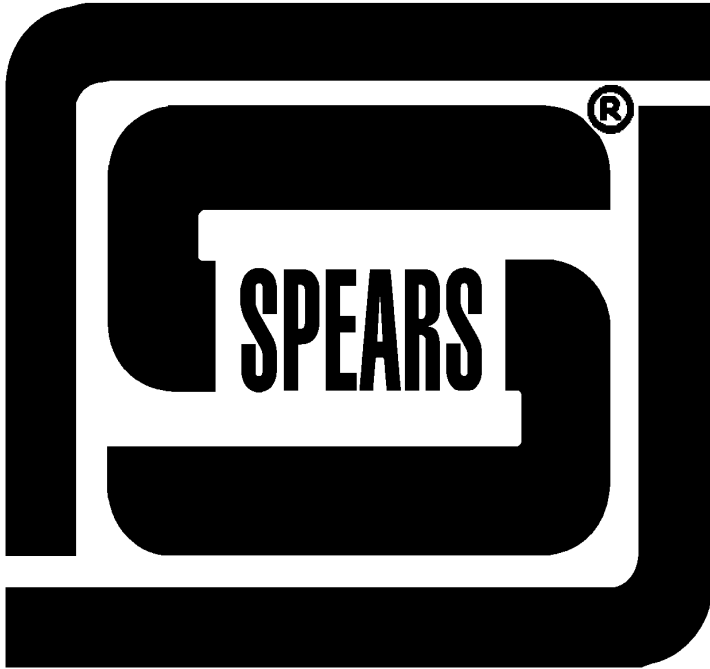


Discount Code: 020 Irrigation Specialty Products _____
040 PVC White Schedule 40 Fittings _____
901 Miscellaneous Components _____



PVC IRRIGATION SPECIALTY PRODUCTS



Quality Systems Certificate No. 293
Corporate Facilities, Sylmar, CA
Assessed to ISO 9001

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PRICE SCHEDULE IS-1-0501
Effective May 26, 2001
Supersedes IS-1-0200

PVC IRRIGATION SPECIALTY PRODUCTS



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WARNING: DO NOT USE COMPRESSED AIR OR GAS TO TEST ANY PVC OR CPVC THERMOPLASTIC PIPING PRODUCT OR SYSTEM, AND DO NOT USE DEVICES PROPELLED BY COMPRESSED AIR OR GAS TO CLEAR SYSTEMS. THESE PRACTICES MAY RESULT IN EXPLOSIVE FRAGMENTATION OF SYSTEM PIPING AND COMPONENTS CAUSING BODILY INJURY OR DEATH.

Prices subject to change without notice. Possession of this price schedule shall not be construed as an offer to sell the products listed.
Product drawings are representative and may not fully reflect product configurations.



PVC IRRIGATION SPECIALTY PRODUCTS

Dri-Splice Wire Connectors For use in electrical systems with 30v or less.

The Spears Dri-Splice Seal designed into each wire hole enables you to stock one connector for all applications. The Dri-Splice Seal features an interference webbing which expands to accommodate #18, #14, #12, or #10 gauge wire sizes. In the event only two holes are used, the Dri-Splice Seal prevents sealant from leaking out through the third hole.

DS-100 Dri-Splice

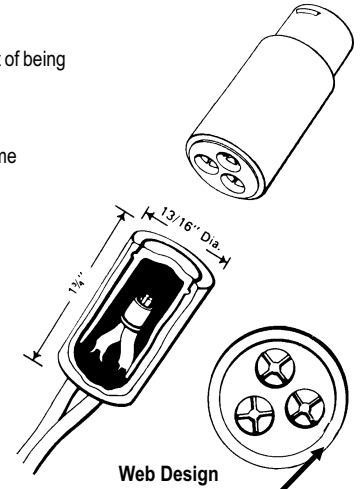
- One size fits AWG #18, #14, #12, or #10
- Designed to insure waterproof connections
- Easily installed in the field without special tools
- Permanent protection for underground wire splices
- Requires the use of DS-300 Sealant

DS-400 Pre-Filled Dri-Splice

- All the features of the DS-100, plus the added benefit of being pre-filled with Dielectric Silicone Sealant
- Reduced inventory requirements
- Insures proper amount and type of Sealant every time
- Eliminates costly waste and clean-up
- Makes installations quick, clean and efficient

Part Number	Description	SP/MC	Disc Code	List Price Each
DS-100	Dri-Splice Wire Connector with Crimp Sleeve (Sealant sold separately)	25/400	020	.95
DS-400	Pre-Filled Dri-Splice Wire Connector with Crimp Sleeve	25/400	020	2.06
DS-200	Crimp Sleeves	25/500	901	.19
DS-300	Dri-Splice Sealant For DS-100 (Approx. 30 connections per 5 oz. tube)	24	020	7.82

SOLD IN STANDARD PACK QUANTITIES ONLY



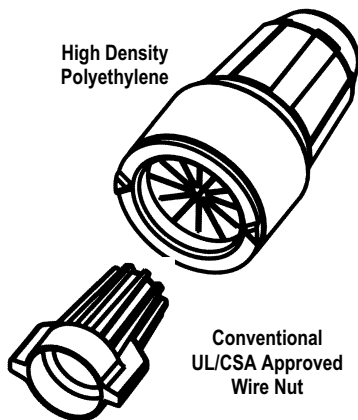
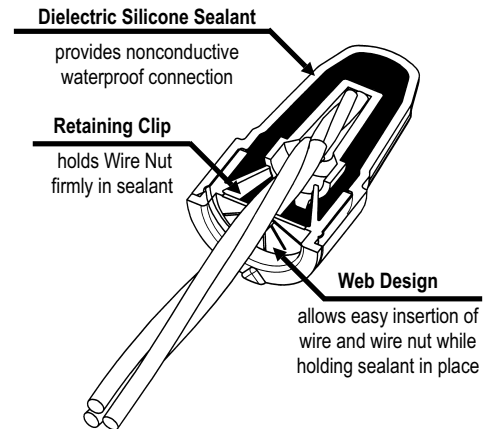
allows easy insertion of wire, expands to appropriate wire size, and seals any unused holes to prevent sealant run out.

DS-500 Dri-Splice Wire Connector

For use in electrical systems with 30v or less.

Spears NEW DS-500 Dri Splice Wire Connector is the fast, reliable and clean way of making positive, waterproof connections you can depend on. Simply twist Wire Nut on and insert into Dielectric Silicone Sealant Cartridge. The DS-500 is specially designed for irrigation systems and low voltage lighting, marine and security systems and suitable for direct burial.

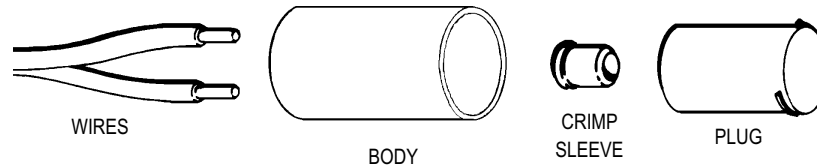
- Allows full assembly and check of connection prior to sealing
- Accepts wire combinations from 3 #22 to 3 #10 AWG solid or stranded copper wire
- Special "No-Mess" cartridge design fully encloses sealant
- Internal interlock prevents disengagement of wire nut from sealant cartridge



Part Number	Description	SP/MC	Disc Code	List Price Each
DS-500	Pre-Filled Dri-Splice Wire Connector with Wire Nut	25/500	020	2.06

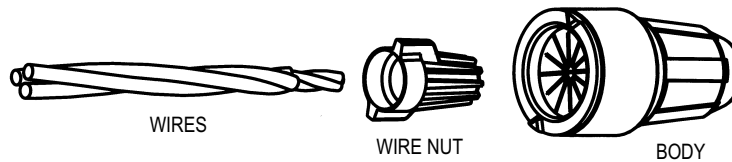
SOLD IN STANDARD PACK QUANTITIES ONLY

DS-100 & DS-400 Dri-Splice Wire Connector Installation Information



1. Insert wires through holes in base of body.
2. Twist stripped wires together and apply crimp sleeve with an indent type crimping tool. Trim excess bare wire.
3. DS-100 ONLY — Fill Plug to brim with DS-300 sealant.
4. Invert body and insert plug into body until it snaps tight.
5. Push wires all the way into the plug to completely seal the crimp sleeve.
6. DS-100 ONLY — Be certain sealant has formed into all holes in body.

DS-500 Dri-Splice Wire Connector Installation Information



1. Strip wires and install wire nut.
2. Align wire nut wings with arrows and insert fully into body.

Dri-Splice Wire Connector General Information

Sealant:

DS-300 Sealant* (for DS-100) - MSDS available upon request.

DS-400 Dielectric Silicone Sealant* - defined as an Article, per OSHA 29 CFR 1910,1200, which does not require an MSDS.

DS-500 Dielectric Silicone Sealant* - defined as an Article, per OSHA 29 CFR 1910, 1200, which does not require an MSDS.

Shelf Life:

DS-300 (unopened tube) — One Year*

DS-400 — Indefinite at 73°F*

DS-500 — Indefinite at 73°F*

Electrical Systems:

For use in electrical systems with 30v or less.

UL Listing NOT required in most areas.

DS-100 & DS-400 Components:

Plug — Polyethylene

Body — Polyethylene

Crimp Sleeve — UL and CSA Listed for 18 - 10 awg solid or stranded copper conductors.

DS-500 Components:

Body — Polyethylene

Wire Nut — Twist-On Spring Type - UL/CSA Listed for 22 - 10 awg solid or stranded copper wire.

* Information developed and furnished by the Sealant Manufacturers. For additional information, please contact Spears Technical Services Department.





PVC IRRIGATION SPECIALTY PRODUCTS

Filters

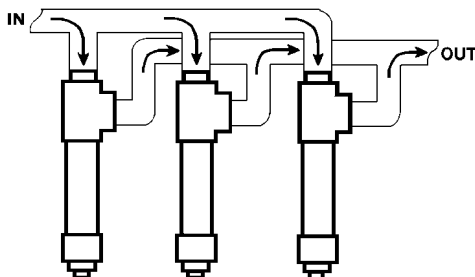
Specially designed for agricultural and irrigation applications. Suitable for any application where cool, filtered water is required. Standard units utilize an internal-to-external filter cartridge. See following page for reverse flow (external to internal) filters.

- 200 psi Working Pressure Non-Shock @ 73°F
- Filter Body is made from NSF PW Approved PVC Material
- Optional Screen Meshes
- Compact Design, Easy to Clean
- Lightweight, Easy to Install
- Filter Screens are designed using a standard perforated Stainless Steel Screen
- Mesh Sizes include an inner Stainless Steel Cloth with Spring Support (external cloth on reverse flow filters)
- Pressure loss: 100 GPM – 3 psi 50 GPM – 1.25 psi
- May be bushed to required pipe size (Bushings sold separately, refer to Price Schedule 40-1)

Part Number	Size	Screen Hole/Mesh Size	Disc Code	List Price Each	
100 GPM Filter Assembly with Stainless Steel Screen					
	FL-16	2-1/2 x 4	1/16" Holes	020	358.56
	FL-32	2-1/2 x 4	1/32" Holes	020	366.71
	FL-50	2-1/2 x 4	50 Mesh	020	415.60
	FL-76	2-1/2 x 4	76 Mesh	020	501.98
	FL-100	2-1/2 x 4	100 Mesh	020	456.35
	FL-150	2-1/2 x 4	150 Mesh	020	472.65
	FL-200	2-1/2 x 4	200 Mesh	020	513.39
50 GPM Filter Assembly with Stainless Steel Screen					
	MFL-16	2-1/2 x 2	1/16" Holes	020	301.53
	MFL-32	2-1/2 x 2	1/32" Holes	020	306.40
	MFL-50	2-1/2 x 2	50 Mesh	020	316.17
	MFL-76	2-1/2 x 2	76 Mesh	020	383.02
	MFL-100	2-1/2 x 2	100 Mesh	020	334.12
	MFL-150	2-1/2 x 2	150 Mesh	020	350.42
	MFL-200	2-1/2 x 2	200 Mesh	020	391.15

NOTE: Filter Assemblies are furnished standard with a 1-1/4" IPS tapped cap (FL4a) for use with a valve, or may be plugged off (plug not furnished). Optional cap available with 1/4" IPS tapping for use with a pressure gauge —specify FL-5a when ordering.

- When more than 100 gpm is required, filters may be installed in parallel
- When installing filter, allow space for removing filter screen for cleaning
- Remove stainless steel filter screen before solvent welding filter to pipe manifold
- When filters are installed in the direct sun, it is suggested the filter body be coated with a water-base latex paint having a high reflectance
- Installation in a shaded area is preferred



—CAUTION—

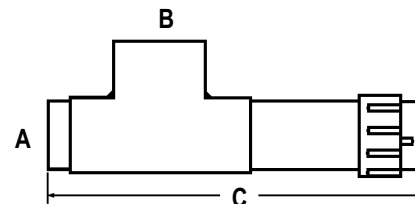
- WATER HAMMER MAY CAUSE SEVERE DAMAGE TO THE FILTER ASSEMBLY.
- BACK FLUSHING IS NOT RECOMMENDED.
- QUALITY GRADE THREAD SEALANT IS RECOMMENDED FOR ALL THREADED PVC CONNECTIONS.

Part Number	Length	Screen Hole/Mesh Size	Hole Size (In.)	Disc Code	List Price Each
100 GPM Filter Replacement Screens					
FL-16-1	24	1/16" Holes	.0625	020	143.42
FL-32-1	24	1/32" Holes	.0312	020	156.46
FL-50-1	24	50 Mesh	.0110	020	309.67
FL-76-1	24	76 Mesh	.0095	020	306.40
FL-100-1	24	100 Mesh	.0055	020	241.22
FL-150-1	24	150 Mesh	.0041	020	260.77
FL-200-1	24	200 Mesh	.0029	020	322.71
50 GPM Filter Replacement Screens					
MFL-16-1	12	1/16" Holes	.0625	020	143.42
MFL-32-1	12	1/32" Holes	.0312	020	149.94
MFL-50-1	12	50 Mesh	.0110	020	162.99
MFL-76-1	12	76 Mesh	.0095	020	231.43
MFL-100-1	12	100 Mesh	.0055	020	179.29
MFL-150-1	12	150 Mesh	.0041	020	198.85
MFL-200-1	12	200 Mesh	.0029	020	244.46

NOTE: When ordering replacement screens for FL and MFL Series Filters, please provide exact length of old screen within 1/64" to insure proper fit of new screen in your filter body.

Part Number	Size	Description	Disc Code	List Price Each
100 GPM Filter Body Components				
FL-4A	3 x 1-1/4	Filter Cap w/Gasket	020	20.38
FL-5A	3 x 1/4	Filter Cap w/Gasket	020	20.38
FCG-5	—	Cap O-ring - Rubber	020	6.49
FL-11	2-1/2 x 4	Filter Body Assembly	020	244.46
50 GPM Filter Body Components				
FL-4A	3 x 1-1/4	Filter Cap w/Gasket	020	20.38
FL-5A	3 x 1/4	Filter Cap w/Gasket	020	20.38
FCG-5	—	Cap O-ring - Rubber	020	6.49
MFL-11	2-1/2 x 2	Filter Body Assembly	020	187.43

Filter Dimensions & Weights





Series	A Inlet	B Outlet	C Overall Length	Screen Length	Filter Approx. Weight
FL	2-1/2	4	27-1/4	24	8
MFL	2-1/2	2	15-1/4	12	4-3/4

PVC IRRIGATION SPECIALTY PRODUCTS



Reverse Flow Filters

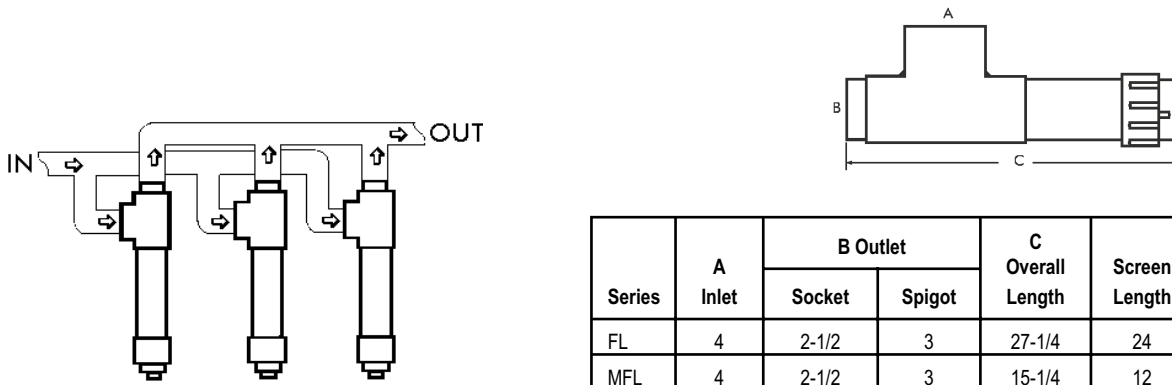
- Filter cartridge specially designed for external-to-internal filtration
- Traps sediment and debris on outside of filter (standard filters use internal-to-external flow)
- 100 GPM and 50 GPM styles available

Part Number	Size	Screen Hole/Mesh Size	Disc Code	List Price Each	
100 GPM Reverse Flow Filter Assembly with Stainless Steel Screen					
Socket x Socket/Spigot					
	FL-16*	4 x 2-1/2 /3	1/16" Holes	020	358.56
	FL-32*	4 x 2-1/2 /3	1/32" Holes	020	366.71
	FLR-50	4 x 2-1/2 /3	50 Mesh	020	415.60
	FLR-76	4 x 2-1/2 /3	76 Mesh	020	501.98
	FLR-100	4 x 2-1/2 /3	100 Mesh	020	456.35
	FLR-150	4 x 2-1/2 /3	150 Mesh	020	472.65
	FLR-200	4 x 2-1/2 /3	200 Mesh	020	513.39
50 GPM Filter Assembly with Stainless Steel Screen					
Socket x Socket/Spigot					
	MFL-16*	2 x 2-1/2 /3	1/16" Holes	020	301.53
	MFL-32*	2 x 2-1/2 /3	1/32" Holes	020	306.40
	MFLR-50	2 x 2-1/2 /3	50 Mesh	020	316.17
	MFLR-76	2 x 2-1/2 /3	76 Mesh	020	383.02
	MFLR-100	2 x 2-1/2 /3	100 Mesh	020	334.12
	MFLR-150	2 x 2-1/2 /3	150 Mesh	020	350.42
	MFLR-200	2 x 2-1/2 /3	200 Mesh	020	391.15

Part Number	Size	Screen Hole/Mesh Size	Hole Size (In.)	Disc Code	List Price Each
100 GPM Filter Replacement Screens					
FL-16-1	24	1/16" Holes	.0625	020	143.42
FL-32-1	24	1/32" Holes	.0312	020	156.46
FLR-50-1	24	50 Mesh	.0110	020	165.49
FLR-76-1	24	76 Mesh	.0095	020	306.40
FLR-100-1	24	100 Mesh	.0055	020	229.15
FLR-150-1	24	150 Mesh	.0041	020	247.73
FLR-200-1	24	200 Mesh	.0029	020	306.57
50 GPM Filter Replacement Screens					
MFL-16-1	12	1/16" Holes	.0625	020	143.42
MFL-32-1	12	1/32" Holes	.0312	020	149.94
MFLR-50-1	12	50 Mesh	.0110	020	165.49
MFLR-76-1	12	76 Mesh	.0095	020	231.43
MFLR-100-1	12	100 Mesh	.0055	020	170.32
MFLR-150-1	12	150 Mesh	.0041	020	188.90
MFLR-200-1	12	200 Mesh	.0029	020	232.24

* Standard MFL-16, MFL-32, FL-16 and FL-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

Typical Reverse Flow Application



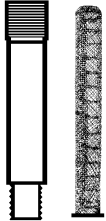
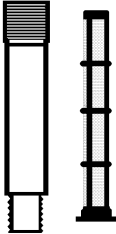
Series	A Inlet	B Outlet		C Overall Length	Screen Length	Filter Approx. Weight
		Socket	Spigot			
FL	4	2-1/2	3	27-1/4	24	8
MFL	4	2-1/2	3	15-1/4	12	4-3/4

- When more than 100 gpm is required, filters may be installed in parallel
- When installing filter, allow space for removing filter screen for cleaning
- Remove stainless steel filter screen before solvent welding filter to pipe manifold
- When filters are installed in direct sunlight, it is suggested the filter body be coated with a water-base latex paint having a high reflectance
- Installation in a shaded area is preferred



PVC IRRIGATION SPECIALTY PRODUCTS

Hose Filters

Part Number	Size	Screen Hole/Mesh Size	Disc Code	List Price Each	
7 GPM Hose Filter Assembly					
	with Stainless Steel Screen				
	HF-20	3/4	20 Mesh	020	12.08
	HF-30	3/4	30 Mesh	020	12.08
	HF-50	3/4	50 Mesh	020	12.08
	HF-80	3/4	80 Mesh	020	12.08
	HF-100	3/4	100 Mesh	020	12.55
	HF-150	3/4	150 Mesh	020	12.71
	HF-200	3/4	200 Mesh	020	13.04
		with Plastic/Nylon Screen			
HF-150N		3/4	150 Mesh	020	12.71

NOTE: It is recommended to connect the inlet of the Hose Filter to the system with a swivel adapter such as Spears AP Series, to facilitate servicing of the filter element (refer to Hose Fittings).

Part Number	Size	Screen Hole/Mesh Size	SP/MC	Disc Code	List Price Each
Hose Filter Replacement Screens					
Stainless Steel Screen					
HF-20-1W	5	20 Mesh	25/150	020	4.42
HF-30-1W	5	30 Mesh	25/150	020	4.42
HF-50-1W	5	50 Mesh	25/150	020	4.42
HF-80-1W	5	80 Mesh	25/150	020	4.42
HF-100-1W	5	100 Mesh	25/150	020	6.53
HF-150-1W	5	150 Mesh	25/150	020	6.53
HF-200-1W	5	200 Mesh	25/150	020	6.53
Plastic/Nylon Screen					
HF-150-1NW	4-3/4	150 Mesh	25/150	020	6.53

Part Number	Size	Description	Disc Code	List Price Each
7 GPM Hose Filter Body Components				
HF	3/4	Hose Filter Body w/o screen	020	9.10
W-100	3/4	Hose Washer	020	.04

PVC IRRIGATION SPECIALTY PRODUCTS



Part Number	Size	SP/MC	Disc Code	List Price Each
Swivel Adapter				
FIPT x FHT Swivel w/Washer				
AP-105	1/2 x 3/4	50/200	020	1.90
AP-106	3/4 x 3/4	50/200	020	1.90
MIPT x FHT Swivel w/Washer				
AP-109	3/4 x 3/4	50/200	020	1.90
AP-112	1/2 x 3/4	50/200	020	1.90
FHT Swivel x FHT Swivel w/Washer				
AP-110	3/4 x 3/4	50/200	020	1.90
Female Adapter				
FHT Swivel x HS w/Washer				
F-64	3/4 x 1/2	100	020	1.48
F-65	3/4 x 5/8	100	020	1.58
F-66	3/4 x 3/4	100	020	1.62
FHT Swivel x SOC				
F-64-P	3/4 x 1/2	100	020	1.48
F-66-P	3/4 x 3/4	100	020	1.62
Male Adapter				
MIPT x HS				
M-44	1/2 x 1/2	50/300	020	.82
MHT x HS				
M-64	3/4 x 1/2	50/300	020	.84
M-65	3/4 x 5/8	50/200	020	1.33
M-66	3/4 x 3/4	50/200	020	1.54
MHT x SOC				
M-64-P	3/4 x 1/2	50/200	020	.82
M-66-P	3/4 x 3/4	50/200	020	1.54



PVC IRRIGATION SPECIALTY PRODUCTS

Irrigation Accessories

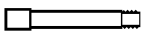
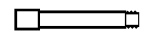
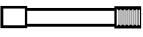



Spears PVC Adapter System offers a unique method for expanding field irrigation systems that lends versatility and economy to your project. These adapters are designed to use 1/2", 5/8" or 3/4" vinyl hose, and the Rebar fittings and crosses accept a 1/2" or 3/4" sprinkler base. Transition to the existing system can be accomplished with any one of the threaded outlets offered.






New Installation — Spears PVC Adapter System is designed with threaded or swivel thread connections which simplify the initial installation and minimize material, manpower and installation costs. Additional savings accrue through a reduction of the number of laterals required.

Improving Existing Systems — The Spears Adapter System is ideal for updating existing systems because it readily adapts to aluminum or PVC mains and laterals. Expansion or refinement of the irrigation system is easily accomplished through the versatility afforded the user in the location of the new sprinkler heads.

- BSW = British Standard Whitworth Thread
- FHT = Female Hose Thread
- FIPT = Female Iron Pipe Thread
- MHT = Male Hose Thread

- MIPT = Male Iron Pipe Thread
- NFT = National Fine Thread
- SOC = IPS Solvent Weld Socket
- Rebar = Accepts 1/2" Rebar

	Part Number	Size	SP/MC	Disc Code	List Price Each
Hose System Riser					
	HS x HS				
	RM-64	3/4 x 1/2	75	020	3.26
	RM-66	3/4 x 3/4	75	020	3.26
	MHT x SOC				
	RM-66-H	3/4 x 3/4	75	020	3.26
	MHT x MHT x FHT Swivel w/Washer				
	RF-64	3/4 x 1/2	75	020	4.06
	RF-66	3/4 x 3/4	70	020	4.06
Trickle Irrigation Hex Cap					
	FIPT (Less Holes)				
	T-1	1/2	800	020	1.06
Shrub Adapter					
	FIPT x NFT				
	PA2010-01	1/2 x 10-32	50/300	020	.82
	PA2010-03	1/2 x 5/16	50/300	020	.82
	FIPT x FIPT				
	PA2010-02	1/2 x 1/8	50/300	020	.82
	FIPT x BSW				
	PA2010-04	1/2 x 3/8	50/300	020	.82
	SOC x NFT				
	PA2020-01	1/2 x 10-32	50/300	020	.82
	PA2020-03	1/2 x 5/16	50/300	020	.82
	SOC x FIPT				
	PA2020-02	1/2 x 1/8	50/300	020	.82
	SOC x BSW				
PA2020-04	1/2 x 3/8	50/300	020	.82	




	Part Number	Size	SP/MC	Disc Code	List Price Each
Transition Nipple					
	MIPT x MHT (1.790 Length)				
	N-1	3/4 x 3/4	50/300	020	.87
	MIPT x MIPT (1.410 Length)				
	N-2	3/8 x 1/2	50/300	020	.87
	MIPT x MHT (1.872 Length)				
	N-3	1/2 x 3/4	50/300	020	.87
	MIPT x MIPT Polypropylene (1.480 Length)				
	N-4	3/4 x 1/2	50/300	020	.87
Pipe Support (90° Clip to Body)					
	Without Nail Holes				
	PS4-90	1/2 x 1/2	750	020	.39
	With Nail Holes				
	PS4-90N	1/2 x 1/2	750	020	.49
Manifold Tee					
	SPIG x SOC x MIPT				
	476-010	1"	20	020	3.87
	SPIG x SOC x FIPT				
	477-010	1"	20	020	3.87
Clamp-On-Saddles					
	<p>Refer to Spears PVC Schedule 40-1 Available in Saddle size 2" - 6": Clamp-On-Saddle x Socket or SR Thread Single or Double Outlet Buna-N or EPDM O-rings Zinc Plated or Stainless Steel Hardware</p>				

PVC IRRIGATION SPECIALTY PRODUCTS



Hose Adapters




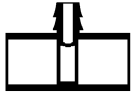





For Solid Set Or Moveable Aluminum Systems

Part Number	Size	SP/MC	Disc Code	List Price Each
Cross				
	MHT x MHT x FIPT x MHT			
	P-101	3/4 x 3/4 x 1/2 x 3/4	125 020	5.75
	MHT x MHT x FIPT x MIPT			
	P-100	3/4 x 3/4 x 3/4 x 3/4	125 020	5.75
P-102	3/4 x 3/4 x 1/2 x 3/4	100 020	5.75	
P-103	3/4 x 3/4 x 1/2 x 1/2	125 020	5.75	
Rebar Cross				
	MHT x MHT x FIPT x Rebar			
	PR-101	3/4 x 3/4 x 3/4 x 1/2	50 020	6.19
	PR-103	3/4 x 3/4 x 1/2 x 1/2	50 020	6.19
Rebar Ell				
	MHT x FIPT x Rebar			
	PR-100	3/4 x 1/2 x 1/2	100 020	3.26
	PR-102	3/4 x 3/4 x 1/2	100 020	3.26

Hose Fittings

For 1/2" Polyethylene (.580 I.D.) Hose

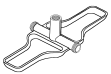
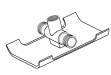
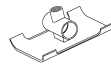
FHT = Female Hose Thread	MIPT = Male Iron Pipe Thread
FIPT = Female Iron Pipe Thread	HS = Hose Socket
INS = Male Insert Barb	SOC = IPS Solvent Weld Socket
MHT = Male Hose Thread	


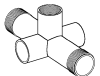
Part Number	Size	SP/MC	Disc Code	List Price Each
Female Compression Adapter				
	FHT x Poly Adapter w/Insert Expander			
	F-64B	3/4 x 1/2	50 020	1.33
Male Compression Adapter				
	MHT x Poly Adapter w/Insert Expander			
	M-64B	3/4 x 1/2	100 020	1.03
Hose Tee				
	INS x INS x FHT Swivel			
	AP-101B	1/2 x 1/2 x 3/4	50 020	2.28
Transition Tee				
	SOC x SOC x INS			
	1102-007	3/4	50 040	*
	1102-130	1 x 1 x 1/2	200 040	*
	1102-250	2 x 2 x 1-1/4	10 040	*
Insert Coupling				
	INS x INS			
	1429-005A	1/2	200 020	.69
Insert Male Adapter				
	INS x MIPT			
	1436-005A	1/2	200 020	.53
Plug				
	MHT			
	HPL-6	3/4	100/600 020	1.33
Cap				
	FHT w/Washer			
	AP-100	3/4	200 020	1.11
Hose Closure				
	For 1/2" Poly Hose			
	S-HC-1	1/2	200 020	.58



PVC IRRIGATION SPECIALTY PRODUCTS

Sprinkler Accessories

Part Number	Size	SP/MC	List Price Each
Standard Sprinkler Stand Hose Socket Inlet x Hose Socket Outlet x IPS Riser Outlet			
	†ES-443	1/2 x 1/2 x 3/8	100 020 5.04
	†ES-444	1/2 x 1/2 x 1/2	100 020 5.04
	*ES-543	5/8 x 1/2 x 3/8	75 020 5.86
	*ES-544	5/8 x 1/2 x 1/2	75 020 5.86
	*ES-553	5/8 x 5/8 x 3/8	75 020 6.53
	*ES-554	5/8 x 5/8 x 1/2	75 020 6.53
	*ES-653	3/4 x 5/8 x 3/8	75 020 7.15
	*ES-654	3/4 x 5/8 x 1/2	75 020 7.15
	*ES-663	3/4 x 3/4 x 3/8	75 020 7.49
	*ES-664	3/4 x 3/4 x 1/2	75 020 7.49
	† Dual Connection — Hose Socket Inlets and Outlets accept 1/2" irrigation hose inside, and have 3/4" MHT on the outside. * Item assembled when ordered — by providing either the ES-443 or ES-444 and one (1) or two (2) F-60 FHT Adapters with the applicable hose Socket size. Check with your servicing Regional Distribution Center for delivery lead time.		
Easy Pull Sled Hose Socket Inlet x Hose Socket Outlet x IPS Riser Outlet			
	†EP-443	1/2 x 1/2 x 3/8	20 020 12.23
	†EP-444	1/2 x 1/2 x 1/2	20 020 12.23
	*EP-543	5/8 x 1/2 x 3/8	20 020 13.04
	*EP-544	5/8 x 1/2 x 1/2	20 020 13.04
	*EP-553	5/8 x 5/8 x 3/8	20 020 13.84
	*EP-554	5/8 x 5/8 x 1/2	20 020 13.84
	*EP-653	3/4 x 5/8 x 3/8	20 020 14.02
	*EP-654	3/4 x 5/8 x 1/2	20 020 14.02
	*EP-663	3/4 x 3/4 x 3/8	20 020 14.34
	*EP-664	3/4 x 3/4 x 1/2	20 020 14.34
† Dual Connection — Hose Socket Inlets and Outlets accept 1/2" irrigation hose inside, and have 3/4" MHT on the outside. * Item assembled when ordered — by providing either the EP-443 or EP-444 and one (1) or two (2) F-60 FHT Adapters with the applicable hose Socket size. Check with your servicing Regional Distribution Center for delivery lead time.			
Tow-Line Tee			
	TL-112	1 x 1 x 1/2	15 020 8.14
	TL-123	2 x 2 x 1/2	25 020 9.77
	TL-112-1	1 x 1 x 1/2	30 020 8.80
	TL-116-1	1-1/4x1-1/4x1/2	30 020 8.97
	TL-120-1	1-1/2x1-1/2x1/2	25 020 9.29
	TL-123-1	2 x 2 x 1/2	25 020 10.11

Part Number	Size	SP/MC	List Price Each
Hose Cross — with Legs Hose Socket Inlet x Hose Socket Outlet x IPS Riser Outlet			
	†HC-443	1/2 x 1/2 x 3/8	60 020 5.86
	†HC-444	1/2 x 1/2 x 1/2	60 020 5.86
	*HC-543	5/8 x 1/2 x 3/8	60 020 6.69
	*HC-544	5/8 x 1/2 x 1/2	60 020 6.69
	*HC-553	5/8 x 5/8 x 3/8	60 020 7.49
	*HC-554	5/8 x 5/8 x 1/2	60 020 7.49
	*HC-653	3/4 x 5/8 x 3/8	60 020 7.99
	*HC-654	3/4 x 5/8 x 1/2	60 020 7.99
	*HC-663	3/4 x 3/4 x 3/8	60 020 8.47
	*HC-664	3/4 x 3/4 x 1/2	60 020 8.47
	† Dual Connection — Hose Socket Inlets and Outlets accept 1/2" irrigation hose inside, and have 3/4" MHT on the outside. * Item assembled when ordered — by providing either the HC-443 or HC-444 and one (1) or two (2) F-60 FHT Adapters with the applicable hose Socket size. Check with your servicing Regional Distribution Center for delivery lead time. NOTE: Hose Crosses are standard with 4" legs. 8" legs are available upon request. Add "-8" at the end of above Part Numbers for 8" legs (for example: HC-443-8). Contact your servicing Regional Distribution Center for pricing.		
SHOWN WITHOUT ADAPTERS			
Hose Cross — Less Legs Hose Socket Inlet x Hose Socket Outlet x IPS Riser Outlet			
	†HC-443-1	1/2 x 1/2 x 3/8	220 020 2.94
	†HC-444-1	1/2 x 1/2 x 1/2	200 020 2.94
	*HC-543-1	5/8 x 1/2 x 3/8	60 020 4.06
	*HC-544-1	5/8 x 1/2 x 1/2	60 020 4.06
	*HC-553-1	5/8 x 5/8 x 3/8	50 020 5.37
	*HC-554-1	5/8 x 5/8 x 1/2	50 020 5.37
	*HC-653-1	3/4 x 5/8 x 3/8	60 020 5.55
	*HC-654-1	3/4 x 5/8 x 1/2	60 020 5.55
	*HC-663-1	3/4 x 3/4 x 3/8	60 020 5.86
	*HC-664-1	3/4 x 3/4 x 1/2	60 020 5.86
† Dual Connection — Hose Socket Inlets and Outlets accept 1/2" irrigation hose inside, and have 3/4" MHT on the outside. * Item assembled when ordered — by providing either the HC-443-1 or HC-444-1 and one (1) or two (2) F-60 FHT Adapters with the applicable hose Socket size. Check with your servicing Regional Distribution Center for delivery lead time.			
SHOWN WITHOUT ADAPTERS			

The Spears Quality Policy

It is the policy and objective of Spears Manufacturing Company to produce a superior quality product suitable for its intended use, with regard to functionality, structural integrity, and conformance to established industry standards and practices. It is the commitment of this Company to do so in a manner which provides consistency of product quality, optimum availability, and superior customer service, while maintaining efficiency of operations and profitability necessary to perpetuate product improvement and customer satisfaction. Furthermore, it is recognized that the attainment of these objectives is the responsibility of all Company operations and personnel according to their respective functions.



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