



# **PVC Irrigation Specialty Products**



## **PRODUCT**

Contact Spears® for any Information not found.

**Hose Fittings • Solvent Weld For Flexible PVC Hose & • Hose Fittings • For 1/2" Polyethylene (.580 I.D.) Hose**



**Hose Fittings • Solvent Weld For Flexible PVC Hose**

- FHT = Female Hose Thread
- MHT = Male Hose Thread
- Fipt = Female Iron Pipe Thread
- Mipt = Male Iron Pipe Thread
- HS = Hose Socket
- Soc = IPS Solvent Weld Socket
- Ins = Male Insert Barb

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Hose Coupling**

C-44	1/2	200	0	020	1.08
C-55	5/8	100	0	020	1.43
C-66	3/4	100	0	020	2.74

**Hose 90° Ell**

**MHT x Soc**



EHP-007	3/4	50	0	020	3.06
EHP-101	3/4X1/2	50	0	020	2.61

**Hose Tee**

**MHT x MHT x FHT Swivel with Washer**



AP-101	3/4	50	0	020	5.29
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E-312



W-100



W-101

**Hose Washer**

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Washer Only**

E-312	3/4	50	1500	891	.19
W-100	3/4	50	1500	020	.22
W-101	3/4	400	2400	020	1.41

**Hose Swivel Adapter**

**Fipt x FHT Swivel with Washer**



AP-105	1/2X3/4	50	200	020	3.44
AP-106	3/4	50	200	020	3.44

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Hose Swivel Adapter**

**Mipt x FHT Swivel with Washer**



AP-109	3/4	50	200	020	3.44
AP-112	1/2X3/4	50	200	020	3.44

**Hose Swivel Adapter**

**FHT Swivel x FHT Swivel with Washer**



AP-110	3/4	50	200	020	3.44
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**Hose Female Adapter**

**FHT Swivel x HS with Washer**



F-64	3/4X1/2	100	0	020	2.66
F-65	3/4X5/8	100	0	020	2.83
F-66	3/4	100	0	020	2.93

**FHT Swivel x Soc**

F-64-P	3/4X1/2	100	0	020	2.66
F-66-P	3/4	100	0	020	2.93

**Hose Male Adapter**

**Mipt x HS**



M-44	1/2X1/2	50	300	020	1.48
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**MHT x HS**

M-64	3/4X1/2	50	300	020	1.51
M-65	3/4X5/8	50	200	020	2.40
M-66	3/4	50	200	020	2.79

**MHT x Soc**

M-64-P	3/4X1/2	50	300	020	1.48
M-66-P	3/4	50	200	020	2.79

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

**PE Hose PVC Female Compression Adapter**

**FHT x Poly Adapter with Insert Expander**



F-64B	3/4X1/2	50	600	020	2.40
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**PE Hose PVC Male Compression Adapter**

**MHT x Poly Adapter with Insert Expander**



M-64B	3/4X1/2	100	0	020	1.84
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### Irrigation & Turf Product

## • Hose Fittings • For 1/2" Polyethylene (.580 I.D.) Hose & Irrigation Accessories

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

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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#### PE Hose PVC Insert Tee

Ins x Ins x FHT Swivel



AP-101B	1/2X3/4	50	0	020	4.14
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#### PE Hose PVC Transition Tee

Soc x Soc x Ins



1102-007	3/4	50	0	040	3.76
1102-130	1X1/2	200	0	040	4.21
1102-250	2X1-1/4	10	0	040	5.93

#### PE Hose PVC Insert Coupling

Ins x Ins



1429-005A	1/2	200	0	140	1.14
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#### PE Hose PVC Insert Male Adapter

Ins x Mipt



1436-005A	1/2	200	0	140	.96
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#### PE Hose PVC Plug

MHT



HPL-6	3/4	100	600	020	2.40
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#### PE Hose PVC Cap

FHT with Washer



AP-100	3/4	200	0	020	2.01
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#### PE Hose PVC Closure

For 1/2" Poly Hose



S-HC-1	1/2	200	0	020	1.06
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### 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

NFT = National Fine Thread

FHT = Female Hose Thread

Rebar = Accepts 1/2" Rebar

Fipt = Female Iron Pipe Thread

Soc = IPS Solvent Weld Socket

MHT = Male Hose Thread

Spig = Spigot

Mipt = Male Iron Pipe Thread

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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#### Hose System Riser

Soc x Mipt



RM-64	1/2	75	0	020	5.88
RM-66	3/4	75	0	020	5.88

#### Hose System Riser

Soc x MHT



RM-66-H	3/4	75	0	020	5.88
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#### Hose System Riser

Soc x Fipt



RF-64	1/2	75	0	020	7.33
RF-66	3/4	70	0	020	7.33

#### Trickle Irrigation Hex Cap

Fipt (Less Holes)



T-1	1/2	800	0	020	1.92
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**Irrigation Accessories**

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Shrub Adapter**

**Fipt x NFT**



PA2010-01	1/2X10-32	50	300	020	1.48
PA2010-03	1/2X5/16	50	300	020	1.48

**Fipt x Fipt**

PA2010-02	1/2X1/8	50	300	020	1.48
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**Fipt x BSW**

PA2010-04	1/2X3/8	50	300	020	1.48
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**Shrub Adapter**

**Soc x NFT**



PA2020-01	1/2X10-32	50	300	020	1.48
PA2020-03	1/2X5/16	50	300	020	1.48

**Soc x Fipt**

PA2020-02	1/2X1/8	50	300	020	1.48
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**Soc x BSW**

PA2020-04	1/2X3/8	50	300	020	1.48
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**Hose Transition Nipple**

**Mipt x MHT (1.790 Length)**



N-1	3/4X3/4	50	300	020	1.57
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**Mipt x Mipt (1.410 Length)**

N-2	3/8X1/2	50	300	020	1.57
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**Mipt x MHT (1.872 Length)**

N-3	1/2X3/4	50	300	020	1.57
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**Transition Nipple**

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Mipt x Mipt Polypropylene (1.480 Length)**

N-4	3/4X1/2	50	300	020	1.57
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**Pipe Support (90° Clip to Body)**

**Without Nail Holes**



PS4-90	1/2	750	0	020	.69
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**With Nail Holes**

PS4-90N	1/2	750	0	020	.88
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**Manifold Tee**

**Spig x Soc x Mipt**



476-010	1	20	0	020	6.97
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Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Manifold Tee**

**Spig x Soc x Fipt**



477-010	1	25	0	020	6.97
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**Hose Adapters**

**For Solid Set Or Moveable Aluminum Systems**

- Fipt = Female Iron Pipe Thread
- MHT = Male Hose Thread
- Mipt = Male Iron Pipe Thread
- Rebar = Accepts 1/2" Rebar

**Hose Cross**

**MHT x MHT x Fipt x MHT**



P-101	3/4X3/4X1/2X3/4	125	0	020	10.39
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**MHT x MHT x Fipt x Mipt**

P-100	3/4	125	0	020	10.39
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P-102	3/4X3/4X1/2X3/4	100	0	020	10.39
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P-103	3/4X3/4X1/2X1/2	50	0	020	10.39
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**Hose Rebar Cross**

**MHT x MHT x Fipt x Rebar**



PR-101	3/4X1/2	50	0	020	11.17
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PR-103	3/4X3/4X1/2X1/2	50	0	020	11.17
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**Hose Rebar Ell**

**MHT x Fipt x Rebar**



PR-100	3/4X1/2X1/2	100	0	020	5.88
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PR-102	3/4X3/4X1/2	100	0	020	5.88
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**Sprinkler Accessories**

**Irrigation Sprinkler Stand**

**Hose Socket Inlet x Hose Socket Outlet x IPS Riser Outlet**



**Shown without adapters**

ES-443†	1/2X3/8	100	0	020	9.12
ES-444†	1/2X1/2	100	0	020	9.12
ES-543†	5/8X1/2X3/8	75	0	020	10.59
ES-544†	5/8X1/2X1/2	75	0	020	10.59
ES-553†	5/8X3/8	75	0	020	11.79
ES-554†	5/8X1/2	75	0	020	11.79
ES-653†	3/4X5/8X3/8	75	0	020	12.91



## Irrigation & Turf Product Sprinkler Accessories

### Sprinkler Accessories

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
<b>Irrigation Sprinkler Stand (continued)</b>					
<b>Hose Socket Inlet x Hose Socket Outlet x IPS Riser Outlet</b>					
ES-654*	3/4X5/8X1/2	75	0	020	12.91
ES-663*	3/4X3/8	75	0	020	13.52
ES-664*	3/4X1/2	75	0	020	13.52

† 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.

### Irrigation Easy Pull Sled

#### Hose Socket Inlet x Hose Socket Outlet x IPS Riser Outlet



Shown without adapters

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
EP-443†	1/2X3/8	20	0	020	22.08
EP-444†	1/2	20	0	020	22.08
EP-543*	5/8X1/2X3/8	20	0	020	23.56
EP-544*	5/8X1/2X1/2	20	0	020	23.56
EP-553*	5/8X3/8	20	0	020	25.00
EP-554*	5/8X1/2	20	0	020	25.00
EP-653*	3/4X5/8X3/8	20	0	020	25.32
EP-654*	3/4X5/8X1/2	20	0	020	25.32
EP-663*	3/4X3/8	20	0	020	25.89
EP-664*	3/4X1/2	20	0	020	25.89

† 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.

### Irrigation Tow-Line Tee

#### Soc

Assembled as shown

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
TL-112	1X1X1/2	15	0	020	14.71
TL-123	2X2X1/2	25	0	020	17.64
<b>Soc x Soc x Fipt</b>					
TL-112-1	1X1X1/2	30	0	020	15.88
TL-116-1	1-1/4X1-1/4X1/2	30	0	020	16.19
TL-120-1	1-1/2X1-1/2X1/2	25	0	020	16.79
TL-123-1	2X2X1/2	25	0	020	18.24

NOTE: The Tow-Line Tee is used in conjunction with PVC Schedule 40 Pipe with solvent weld connection.

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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### Irrigation Hose Cross - with Legs



#### Hose Socket Inlet x Hose Socket Outlet x IPS Riser Outlet

Shown without adapters

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
HC-443†	1/2X3/8	60	0	020	10.59
HC-444†	1/2X1/2	60	0	020	10.59
HC-543*	5/8X1/2X3/8	60	0	020	12.06
HC-544*	5/8X1/2X1/2	60	0	020	12.06
HC-553*	5/8X3/8	60	0	020	13.52
HC-554*	5/8X1/2	60	0	020	13.52
HC-653*	3/4X5/8X3/8	60	0	020	14.41
HC-654*	3/4X5/8X1/2	60	0	020	14.41
HC-663*	3/4X3/8	60	0	020	15.31
HC-664*	3/4X1/2	60	0	020	15.31

† 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 MSRP.

### Irrigation Hose Cross - Less Legs



#### Hose Socket Inlet x Hose Socket Inlet x IPS Riser Outlet

Shown without adapters

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
HC-443-1†	1/2X3/8	220	0	020	5.29
HC-444-1†	1/2X1/2	200	0	020	5.29
HC-543-1*	5/8X1/2X3/8	60	0	020	7.33
HC-544-1*	5/8X1/2X1/2	60	0	020	7.33
HC-553-1*	5/8X3/8	50	0	020	9.71
HC-554-1*	5/8X1/2	50	0	020	9.71
HC-653-1*	3/4X5/8X3/8	60	0	020	10.02
HC-654-1*	3/4X5/8X1/2	60	0	020	10.02
HC-663-1*	3/4X3/8	60	0	020	10.59
HC-664-1*	3/4X1/2	60	0	020	10.59

† 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.



# Irrigation & Turf Product

## Dri-Splice Wire Connectors



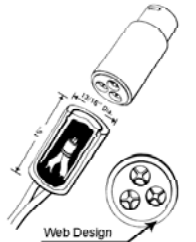
### Dri-Splice Wire Connectors

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 through #6 gauge wire sizes. In the event only two holes are used, the Dri-Splice Seal prevents sealant from leaking out through the third hole.

**SOLD IN STANDARD PACK QUANTITIES ONLY**

#### DS-100/DS-150 & DS-400/DS-450 Dri-Splice Wire Connector Installation Information



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

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 & DS-150 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 & DS-150 ONLY — Be certain sealant has formed into all holes in body.

#### DS-100 & DS-150 Dri-Splice

- DS-100 fits AWG #18, #14, #12, or #10
- DS-150 fits AWG #14, #12, #10, #8, or #6
- 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 & DS-450 Pre-Filled Dri-Splice

- All the features of the DS-100 or DS-150, 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

### Dri-Splice Wire Connectors

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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#### Dri-Splice Wire Connector with Crimp Sleeve (Sealant sold separately)

DS-100	AWG #18, #14, #12, #10	25	400	020	1.71
DS-150	AWG #14, #12, #10, #8, #6	25	400	020	2.04

### Dri-Splice Wire Connectors

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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#### Pre-Filled Dri-Splice Wire Connector with Crimp Sleeve

DS-400	AWG #18, #14, #12, #10	25	400	020	3.73
DS-450	AWG #14, #12, #10, #8, #6	25	400	020	4.04

#### Crimp Sleeves

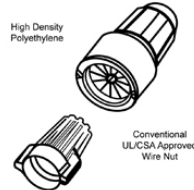
DS-200	AWG #18, #14, #12, #10	25	15000	022	.28
DS-250	AWG #14, #12, #10, #8, #6	25	12500	001	.56

### Dri-Splice Wire Connectors

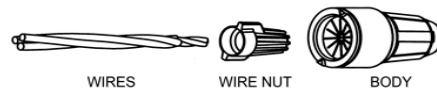
Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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#### Dri-Splice Sealant For DS-100 and DS-150 (Approx. 30 connections per 5 oz. tube)

DS-300	AWG #18, #14, #12, #10	24	0	022	17.83
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#### 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

**DS-300 Sealant\*** (for DS-100 & DS-150) -MSDS available upon request.

**DS-400 & DS-450 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.

Sealant:

Shelf Life:

Electrical Systems: For use in electrical systems with 30v or less. UL Listing NOT required in most areas.

DS-100/DS-150 & DS-400/DS-450 Plug— PVC  
Body— PVC

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

DS-500 Body— Polyethylene

Components: 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.



#### 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

#### Pre-Filled Dri-Splice Wire Connector with Wire Nut

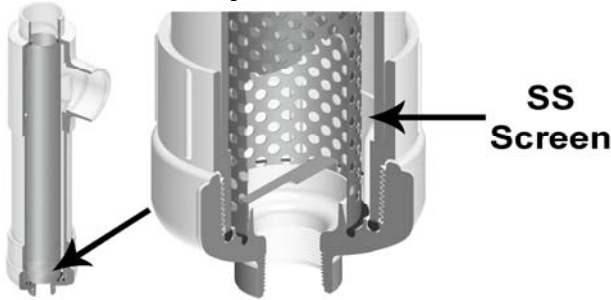
DS-500	3 AWG #22-#10	25	500	020	3.73
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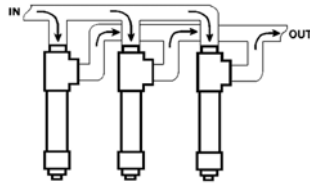
**Filters**

**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.



- 200 psi Working Pressure Non-Shock @ 73°F (23°C)
- 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)



- 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.

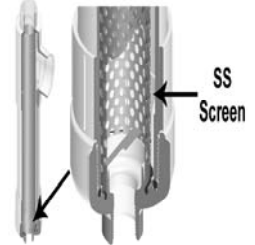
Mesh Size	Hole Size (in.)	Part Number Extension
1/16" Holes	.0625	-16
1/32" Holes	.0312	-32
50 Mesh	.0117	-50
76 Mesh	.0095	-76
100 Mesh	.0059	-100
150 Mesh	.0041	-150
200 Mesh	.0029	-200

Additional Mesh Sizes available on request.

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Irrigation Filter Assembly 100 GPM with Stainless Steel Screen**

**100 GPM**



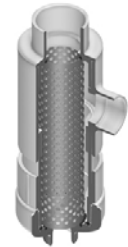
FL-16 <sup>1</sup>	2-1/2 /3 x 4	1	0	020	647.45
FL-32 <sup>1</sup>	2-1/2 /3 x 4	1	0	020	662.17
FL-50	2-1/2 /3 x 4	1	0	020	750.43
FL-76	2-1/2 /3 x 4	1	0	020	906.41
FL-100	2-1/2 /3 x 4	1	0	020	824.00
FL-150	2-1/2 /3 x 4	1	0	020	853.46
FL-200	2-1/2 /3 x 4	1	0	020	927.02

<sup>1</sup> Standard 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.

NOTE: Filter Assemblies are furnished standard with a 1-1/4" IPS tapped cap (FL-4A) 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.

**Irrigation Filter Assembly 50 GPM with Stainless Steel Screen**

**50 GPM**



MFL-16 <sup>1</sup>	2-1/2 /3 x 2	1	0	020	544.47
MFL-32 <sup>1</sup>	2-1/2 /3 x 2	1	0	020	553.28
MFL-50	2-1/2 /3 x 2	1	0	020	570.91
MFL-76	2-1/2 /3 x 2	1	0	020	691.62
MFL-100	2-1/2 /3 x 2	1	0	020	603.32
MFL-150	2-1/2 /3 x 2	1	0	020	632.73
MFL-200	2-1/2 /3 x 2	1	0	020	706.31

<sup>1</sup> Standard MFL-16 and MFL-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

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.

**Irrigation Filter 100 GPM Replacement Screens**

**100 GPM (24" Length)**



FL-16-1	1/16" Holes	4	0	020	258.98
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**Irrigation & Turf Product**  
**Filters & Reverse Flow Filters**



**Filters**

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Irrigation Filter 100 GPM Replacement Screens (continued)**  
**100 GPM (24" Length)**

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

**Irrigation Filter 50 GPM Replacement Screens**

**50 GPM (12" Length)**



MFL-16-1	1/16" Holes	4	0	020	212.02
MFL-32-1	1/32" Holes	4	0	020	244.95
MFL-50-1	50 Mesh	4	0	020	294.31
MFL-76-1	76 Mesh	4	0	020	294.31
MFL-100-1	100 Mesh	4	0	020	323.75
MFL-150-1	150 Mesh	4	0	020	359.06
MFL-200-1	200 Mesh	4	0	020	441.42

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

**Irrigation Filter 100 GPM Replacement Body**

**100 GPM Filter Body**



FL-11	2-1/2 /3 X 4	1	0	020	441.42
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**Irrigation Filter 50 GPM Replacement Body**

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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**50 GPM Filter Body**

MFL-11	2-1/2 /3 X 2	1	0	020	338.44
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**Irrigation Filter Cap & O-ring for Old-Style w/3" Bottom Cap - 1-1/4" Outlet**

**Filter Cap w/Gasket**



FL-4A	3X1-1/4	70	0	020	36.80
FL-5A	3X1/4	70	0	020	36.80

**Irrigation Filter Cap Gasket for Old-Style w/3" Bottom Cap**

**Cap Gasket Only**



FCG-5	3	2	0	020	3.17
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**Irrigation Filter New Style Body w/4" Bottom Cap & O-ring - 1-1/4" Outlet**

**Filter Cap w/O-rings**



FL-4B	4X1-1/4	25	0	020	67.61
FL-5B	4X1/4	1	0	020	109.39

Includes Cap with Cap O-ring (1) and bottom Filter Bushing O-ring (1)

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Irrigation Filter Cap O-ring for New Style Body**

**Cap O-Ring Only**



Pack of 50

BPB-242	- - -	1	10	891	12.51
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**Irrigation Filter Bushing O-ring for New Style Body**

**Filter Bushing O-Rings**



B-335-60	- - -	100	0	891	4.26
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Each filter uses two (2) Filter Bushing O-rings for top and bottom screen seals  
Filter cartridge specially designed for external-to-internal filtration

**Reverse Flow Filters**

**Irrigation Reverse Flow Filter with Stainless Steel Screen - 100 GPM**

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Socket x Socket/Spigot**

FLR-16 <sup>1</sup>	4X2-1/2 /3	1	0	020	647.45
FLR-32 <sup>1</sup>	4X2-1/2 /3	1	0	020	662.17
FLR-50	4X2-1/2 /3	1	0	020	750.43
FLR-76	4X2-1/2 /3	1	0	020	906.41
FLR-100	4X2-1/2 /3	1	0	020	824.00
FLR-150	4X2-1/2 /3	1	0	020	853.46
FLR-200	4X2-1/2 /3	1	0	020	927.02

<sup>1</sup> Standard 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.

**Irrigation Reverse Flow Filter with Stainless Steel Screen - 50 GPM**

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Socket x Socket/Spigot**

MFLR-16 <sup>1</sup>	2X2-1/2 /3	1	0	020	544.47
MFLR-32 <sup>1</sup>	2X2-1/2 /3	1	0	020	553.28
MFLR-50	2X2-1/2 /3	1	0	020	570.91
MFLR-76	2X2-1/2 /3	1	0	020	691.62
MFLR-100	2X2-1/2 /3	1	0	020	603.32
MFLR-150	2X2-1/2 /3	1	0	020	632.73
MFLR-200	2X2-1/2 /3	1	0	020	706.31

<sup>1</sup> Standard MFL-16 and MFL-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

**Irrigation Filter Reverse Flow SS Replacement Screens (24" Length)**

**100 GPM**



FL-16-1	1/16" Holes	4	0	020	258.98
FL-32-1	1/32" Holes	4	0	020	282.52
FLR-50-1	50 Mesh	4	0	020	403.28
FLR-76-1	76 Mesh	4	0	020	403.28





Irrigation & Turf Product  
**Reverse Flow Filters**

**Reverse Flow Filters**

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Irrigation Filter Reverse Flow SS Replacement Screens  
 (24" Length) (continued)**

**100 GPM**

FLR-100-1	<b>100 Mesh</b>	4	0	020	435.58
FLR-150-1	<b>150 Mesh</b>	4	0	020	470.87
FLR-200-1	<b>200 Mesh</b>	4	0	020	582.71

**Irrigation Filter Reverse Flow SS Replacement Screens  
 (12" Length)**

**50 GPM**



MFL-16-1	<b>1/16" Holes</b>	4	0	020	212.02
MFL-32-1	<b>1/32" Holes</b>	4	0	020	244.95
MFLR-50-1	<b>50 Mesh</b>	4	0	020	294.31
MFLR-76-1	<b>76 Mesh</b>	4	0	020	294.31
MFLR-100-1	<b>100 Mesh</b>	4	0	020	323.75
MFLR-150-1	<b>150 Mesh</b>	4	0	020	359.06
MFLR-200-1	<b>200 Mesh</b>	4	0	020	441.42

**In-line Tee Style Filters and Reverse In-line Tee Style Filters**



**In-line Tee Style Filters and Reverse In-line Tee Style Filters**

100 GPM and 50 GPM • PVC White • Buna O-ring Seal



100 GPM



50 GPM

- In-line Design Simplifies Installation.
- Allows Easy Parallel Filter Configuration for Increased Flow and Filtration.
- Removable Type 304 Stainless Steel Filter Cartridges in Assorted Perforations and Screen Mesh.
- Standard Flow Filter (Internal-to-External) Traps Sediment on Inside of Cartridge, Reverse Flow Filter (External-to-Internal) Traps Sediment on Outside of Cartridge.
- Convenient Bottom Drain with 1-1/4" NPT Stainless Steel Reinforced Plastic Thread and Plug. Optional Cap with 1/4" Outlet Available.
- 200 psi Working Pressure for Water @ 73°F (23°C).
- Manufactured from NSF® Certified PVC Material.

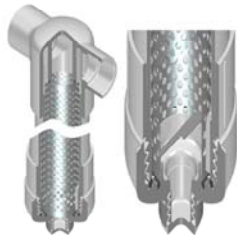
Mesh Size	Hole Size (in.)	Part Number Extension
1/16" Holes	.0625	-16
1/32" Holes	.0312	-32
50 Mesh	.0117	-50
76 Mesh	.0095	-76
100 Mesh	.0059	-100
150 Mesh	.0041	-150
200 Mesh	.0029	-200

Additional Mesh Sizes available on request.  
Example: TF-50 = 50 Mesh

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Irrigation Tee Filter - 100 GPM PVC White**

**Buna-N O-ring Seal with Stainless Steel Screen**



TF-16*	2-1/2 /3 x 2-1/2 /3	1	0	020	647.45
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Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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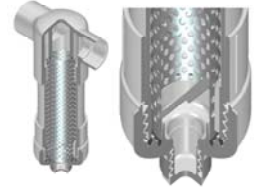
**Irrigation Tee Filter - 100 GPM PVC White (continued)**

**Buna-N O-ring Seal with Stainless Steel Screen**

TF-32*	2-1/2 /3 x 2-1/2 /3	1	0	020	662.17
TF-50	2-1/2 /3 x 2-1/2 /3	1	0	020	750.43
TF-76	2-1/2 /3 x 2-1/2 /3	1	0	020	906.41
TF-100	2-1/2 /3 x 2-1/2 /3	1	0	020	824.00
TF-150	2-1/2 /3 x 2-1/2 /3	1	0	020	853.46
TF-200	2-1/2 /3 x 2-1/2 /3	1	0	020	927.02

**Irrigation Tee Filter - 50 GPM PVC White**

**Buna-N O-ring Seal with Stainless Steel Screen**



MTF-16*	2-1/2 /3 x 2-1/2 /3	1	0	020	544.47
MTF-32*	2-1/2 /3 x 2-1/2 /3	1	0	020	553.28
MTF-50	2-1/2 /3 x 2-1/2 /3	1	0	020	570.91
MTF-76	2-1/2 /3 x 2-1/2 /3	1	0	020	691.62
MTF-100	2-1/2 /3 x 2-1/2 /3	1	0	020	603.32
MTF-150	2-1/2 /3 x 2-1/2 /3	1	0	020	632.73
MTF-200	2-1/2 /3 x 2-1/2 /3	1	0	020	706.31

**Irrigation Reverse Flow Tee Filter - 100 GPM PVC White**

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Buna-N O-ring Seal with Stainless Steel Screen**

TF-16*	2-1/2 /3 x 2-1/2 /3	1	0	020	647.45
TF-32*	2-1/2 /3 x 2-1/2 /3	1	0	020	662.17
TFR-50	2-1/2 /3 x 2-1/2 /3	1	0	020	750.43
TFR-76	2-1/2 /3 x 2-1/2 /3	1	0	020	750.43
TFR-100	2-1/2 /3 x 2-1/2 /3	1	0	020	824.00
TFR-150	2-1/2 /3 x 2-1/2 /3	1	0	020	853.46
TFR-200	2-1/2 /3 x 2-1/2 /3	1	0	020	927.02

**Irrigation Reverse Flow Tee Filter - 50 GPM PVC White**

**Buna-N O-ring Seal with Stainless Steel Screen**



MTF-16*	2-1/2 /3 x 2-1/2 /3	1	0	020	544.47
MTF-32*	2-1/2 /3 x 2-1/2 /3	1	0	020	553.28
MTFR-50	2-1/2 /3 x 2-1/2 /3	1	0	020	570.91
MTFR-76	2-1/2 /3 x 2-1/2 /3	1	0	020	570.91
MTFR-100	2-1/2 /3 x 2-1/2 /3	1	0	020	603.32
MTFR-150	2-1/2 /3 x 2-1/2 /3	1	0	020	632.73
MTFR-200	2-1/2 /3 x 2-1/2 /3	1	0	020	706.31

\*Standard TF-16, TF-32, MTF-16 & MTF-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.



**In-line Tee Style Filters and Reverse In-line Tee Style Filters**

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Irrigation Reverse Flow Tee Filter - 100 GPM Replacement Screens for TF Filters (24" Length)**

FL-16-1	1/16" Holes	4	0	020	258.98
FL-32-1	1/32" Holes	4	0	020	282.52
FL-50-1	50 Mesh	4	0	020	403.28
FL-76-1	76 Mesh	4	0	020	403.28
FL-100-1	100 Mesh	4	0	020	435.58
FL-150-1	150 Mesh	4	0	020	470.87
FL-200-1	200 Mesh	4	0	020	582.71

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

**Irrigation Reverse Flow Tee Filter - 50 GPM Filter Replacement Screens for MTF Filters (12" Length)**

MFL-16-1	1/16" Holes	4	0	020	212.02
MFL-32-1	1/32" Holes	4	0	020	244.95
MFL-50-1	50 Mesh	4	0	020	294.31
MFL-76-1	76 Mesh	4	0	020	294.31
MFL-100-1	100 Mesh	4	0	020	323.75
MFL-150-1	150 Mesh	4	0	020	359.06
MFL-200-1	200 Mesh	4	0	020	441.42

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

**Irrigation Reverse Flow Tee Filter - 100 GPM Replacement Screens for TFR Filters(24" Length)**

FL-16-1	1/16" Holes	4	0	020	258.98
FL-32-1	1/32" Holes	4	0	020	282.52
FLR-50-1	50 Mesh	4	0	020	403.28
FLR-76-1	76 Mesh	4	0	020	403.28
FLR-100-1	100 Mesh	4	0	020	435.58
FLR-150-1	150 Mesh	4	0	020	470.87
FLR-200-1	200 Mesh	4	0	020	582.71

**Irrigation Reverse Flow Tee Filter - 50 GPM Replacement Screens for MTFR Filters (12" Length)**

MFL-16-1	1/16" Holes	4	0	020	212.02
MFL-32-1	1/32" Holes	4	0	020	244.95
MFLR-50-1	50 Mesh	4	0	020	294.31
MFLR-76-1	76 Mesh	4	0	020	294.31
MFLR-100-1	100 Mesh	4	0	020	323.75
MFLR-150-1	150 Mesh	4	0	020	359.06

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
<b>Irrigation Reverse Flow Tee Filter - 50 GPM Replacement Screens for MTFR Filters (12" Length) (continued)</b>					
MFLR-200-1	200 Mesh	4	0	020	441.42

**Hose Filters**



7 GPM Steel

7 GPM Plastic/Nylon

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).

**Hose Filters**

Mesh Size	Hole Size (in.)	Part Number Extension
20 Mesh	.0331	-20
30 Mesh	.0232	-30
50 Mesh	.0117	-50
80 Mesh	.0070	-80
100 Mesh	.0059	-100
150 Mesh	.0041	-150
200 Mesh	.0029	-200

Additional Mesh Sizes available on request.  
Example: HF-50 = 50 Mesh

**Hose Filter Assembly with Stainless Steel Screen - 7 GPM**

**with Stainless Steel Screen**

HF-20	3/4	10	60	020	21.82
HF-30	3/4	10	60	020	21.82
HF-50	3/4	10	60	020	21.82
HF-80	3/4	10	60	020	21.82
HF-100	3/4	10	60	020	22.66
HF-150	3/4	10	60	020	22.95
HF-200	3/4	10	60	020	23.56

**Hose Filter Assembly with Plastic Nylon Screen - 7 GPM**

**with Plastic/Nylon Screen**

HF-150N	3/4	10	60	020	22.95
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**Hose Filters****Hose Filter Stainless Steel Replacement Screen**

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Stainless Steel Screen**

HF-20-1W	5	25	150	020	7.98
HF-30-1W	5	25	150	020	7.98
HF-50-1W	5	25	150	020	7.98
HF-80-1W	5	25	150	020	7.98
HF-100-1W	5	25	150	020	11.79
HF-150-1W	5	25	150	020	11.79
HF-200-1W	5	25	150	020	11.79

**Hose Filter Plastic Nylon Replacement Screen**

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Plastic/Nylon Screen**

HF-150-1NW	4-3/4	25	150	020	11.79
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**Hose Filter Body without Screen - 7 GPM****Hose Filter Body w/o screen**

HF	3/4	10	60	020	16.41
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**Hose Filter Hose Washer- 7 GPM****Hose Washer**

W-100	3/4	50	1500	020	.22
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**Hose Filter Screen Washer- 7 GPM****Screen Washer**

S-W	---	600	0	891	.24
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