

• 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 Male Hose Thread Female Iron Pipe Thread Male Iron Pipe Thread Fipt = Mipt IPS Solvent Weld Socket ΗŚ = Hose Socket Soc Ins Male Insert Barb

Part Number	Size			Disc Code	
		FK	Cui	Code	Each

Part Number	Size			Disc Code	Price Each
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Hose Coupling

C-44	1/2	200	0	020	.93
C-55	5/8	100	0	020	1.23
C-66	3/4	100	0	020	2.35

Swivel Adapter Mipt x FHT Swivel w	rith Washer				
AP-109	3/4	50	200	020	

1/2X3/4

90° EII MHT x Soc

MHI X 20C					Ш
EHP-007	3/4	50	0	020	2.62
EHP-101	3/4X1/2	50	0	020	2.24

Swivel Adapter
FHT Swivel x FHT Swivel with Washer



50 200 020

2.95

2.95

AF-110	3/4	50	200	020	2.95
AP-110	3/4	50	200	020	2.95

Hose Tee MHT x MHT x FHT Swivel with Washer



Female Adapter

AP-112





F-64	3/4X1/2	100	0	020	2.28
F-65	3/4X5/8	100	0	020	2.43
F-66	3/4	100	0	020	2.51
FHT Swivel x Soc					
F-64-P	3/4X1/2	100	0	020	2.28
F-66-P	3/4	100	0	020	2.51



W-100	W-101

Hose Washer

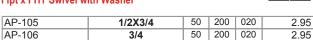
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Washer Only					
W-100	3/4	50	1500	020	.04
W-101	3/4	400	2400	020	1.21

Male Adapter Mipt x HS



M-44	1/2X1/2	50	300	020	1.27
MHT x HS					
M-64	3/4X1/2	50	300	020	1.29
M-65	3/4X5/8	50	200	020	2.06
M-66	3/4	50	200	020	2.39
MHT x Soc					
M-64-P	3/4X1/2	50	200	020	1.27
M-66-P	3/4	50	200	020	2.39

Swivel Adapter Fipt x FHT Swivel with Washer



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

Part Number	Size	Std	Mstr	Disc	Price	Part Number	Size	Std	Mstr	Disc	Price
rait Number	Size	Pk	Ctn	Code	Each	rait Nullibel	Size	Pk	Ctn	Code	Each

Female Compression Adapter FHT x Poly Adapter with Insert Expander

MHT x Poly Adapter with Insert Expander



Part Number	Size	Pk	Ctn	Code	Eac

50 | 600 | 020 F-64B 3/4X1/2 2.06

- 11.		_	
_			



Male Compression Adapter



1102-007	3/4	50	0	040	3.22
1102-130	1X1/2	200	0	040	3.61
1102-250	2X1-1/4	10	0	040	5.08

M-64B	3/4X1/2	100	0	020	1.58

Insert Coupling Ins x Ins

Transition Tee



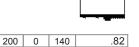
Hose Tee

1429-005A 1/2 200 0 140 .98						
	1429-005A	1/2	200	0	140	.98

1/2

Ins x Ins x FHT Swiv	rel				
AP-101B	1/2X3/4	50	0	020	3.54

Insert Male Adapter Ins x Mipt



1436-005A

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



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

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Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each	Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Plug MHT						Hose Closure For 1/2" Poly Hose					∞
HPL-6	3/4	100	600	020	2.06	S-HC-1	1/2	200	0	020	.91
Cap FHT with Washer											
AP-100	3/4	200	0	020	1.72						

Irrigation Accessories

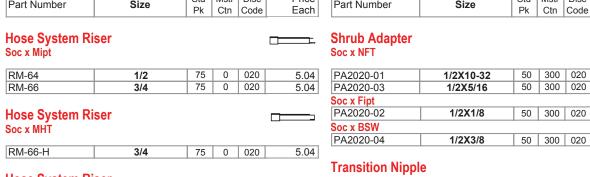
Spears® PVC Adapter System offers a unique method for expanding field irrigation systems that lends versatility and economy to your project. These adapters are designed to use 1/2", 5/8" or 3/4" vinyl hose, and the Rebar fittings and crosses accept a 1/2" or 3/4" sprinkler base. Transition to the existing 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
Mint		Male Iron Pine Thread	, 0		• =

Part Number Size Std Mstr Disc Price Pk Ctn Code Each	Part Number	Size	Std Pk	Mstr Ctn	Disc Code	
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Hose System R	iser	<u> </u>	Mipt x MHT (1.790 Length)								
						N-1	3/4X3/4	50	300	020	1.35
RF-64	1/2	75	0	020	6.28	Mipt x Mipt (1.410 L	ength)				
RF-66	3/4	70	0	020	6.28	N-2	3/8X1/2	50	300	020	1.35
						Mipt x MHT (1.872 L	.ength)				
Trickle Irrigatio	n Hex Cap			N-3	1/2X3/4	50	300	020	1.35		

141 00	011	7.0		020	0.20	IN-Z	3/0A I/Z	50	300	020	1.33
						Mipt x MHT (1.872 L	ength)				
Trickle Irrigation Hex Cap						N-3	1/2X3/4	50	300	020	1.35
Fipt (Less Holes)						Mipt x Mipt Polypro	pylene (1.480 Length)				
						N-4	3/4X1/2	50	300	020	1.35
T-1	1/2	800	0	020	1.64						

Shrub Adapter Fipt x NFT					
PA2010-01	1/2X10-32	50	300	020	1.27

PA2010-01	1/2X10-32	50	300	020	1.27
PA2010-03	1/2X5/16	50	300	020	1.27
Fipt x Fipt					
PA2010-02	1/2X1/8	50	300	020	1.27
Fipt x BSW	•				
PA2010-04	1/2X3/8	50	300	020	1.27

Pipe Support (90° Clip to Body) Without Nail Holes

PS4-90	1/2	750	0	020	.60
With Nail Holes					
PS4-90N	1/2	750	0	020	.76

1 34-3011	1/4	7 00		020	.70
Manifold Tee Spig x Soc x Mipt					
476-010	1	20	0	020	5.98

Price Each

1.27

1.27

1.27

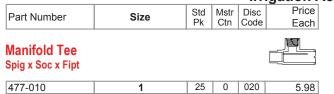
1.27

020



Turf & Irrigation Irrigation Accessories & Hose Adapters

Irrigation Accessories

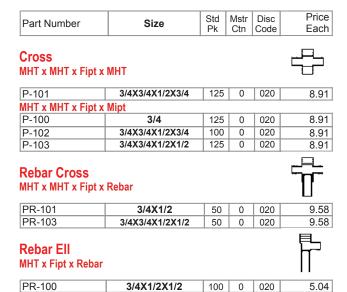


Hose Adapters

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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



3/4X3/4X1/2

100 0 020

PR-102

Turf & Irrigation Sprinkler Accessories



Dant Niverkan	0:	Std	Mstr	Disc	Price
Part Number	Size	Pk	Ctn	Code	Each

Standard Sprinkler Stand

Hose Socket Inlet x Hose Socket Outlet x IPS Riser Outlet



Shown without adapters

ES-443 [†]	1/2X3/8	100	0	020	7.82
ES-444 [†]	1/2X1/2	100	0	020	7.82
ES-543*	5/8X1/2X3/8	75	0	020	9.08
ES-544*	5/8X1/2X1/2	75	0	020	9.08
ES-553*	5/8X3/8	75	0	020	10.11
ES-554*	5/8X1/2	75	0	020	10.11
ES-653*	3/4X5/8X3/8	75	0	020	11.07
ES-654*	3/4X5/8X1/2	75	0	020	11.07
ES-663*	3/4X3/8	75	0	020	11.59
ES-664*	3/4X1/2	75	0	020	11.59

[†] Dual Connection — Hose Socket Inlets and Outlets accept 1/2" irrigation hose inside, and have 3/4" MHT on the outside.

Easy Pull Sled

Hose Socket Inlet x Hose Socket Outlet x IPS Riser Outlet



Shown without adapters

Chown without adapt	010				
EP-443 [†]	1/2X3/8	20	0	020	18.93
EP-444 [†]	1/2	20	0	020	18.93
EP-543*	5/8X1/2X3/8	20	0	020	20.20
EP-544*	5/8X1/2X1/2	20	0	020	20.20
EP-553*	5/8X3/8	20	0	020	21.43
EP-554*	5/8X1/2	20	0	020	21.43
EP-653*	3/4X5/8X3/8	20	0	020	21.71
EP-654*	3/4X5/8X1/2	20	0	020	21.71
EP-663*	3/4X3/8	20	0	020	22.20
EP-664*	3/4X1/2	20	0	020	22.20

[†] 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

Tow-Line Tee



Assembled as shown

TL-112	1X1X1/2	15	0	020	12.61
TL-123	2X2X1/2	25	0	020	15.12
Soc x Soc x Fipt					
TL-112-1	1X1X1/2	30	0	020	13.62
TI -116-1	1-1/4¥1-1/4¥1/2	30	n	020	13.88

TL-112-1	1X1X1/2	30	0	020	13.62
TL-116-1	1-1/4X1-1/4X1/2	30	0	020	13.88
TL-120-1	1-1/2X1-1/2X1/2	25	0	020	14.39
TL-123-1	2X2X1/2	25	0	020	15.64

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

Hose Cross - with Leas Hose Socket Inlet x Hose Socket Outlet x IPS Riser Outlet



Shown without adapters

HC-443 [†]	1/2X3/8	60	0	020	9.08
HC-444 [†]	1/2X1/2	60	0	020	9.08
HC-543*	5/8X1/2X3/8	60	0	020	10.35
HC-544*	5/8X1/2X1/2	60	0	020	10.35
HC-553*	5/8X3/8	60	0	020	11.59
HC-554*	5/8X1/2	60	0	020	11.59
HC-653*	3/4X5/8X3/8	60	0	020	12.36
HC-654*	3/4X5/8X1/2	60	0	020	12.36
HC-663*	3/4X3/8	60	0	020	13.12
HC-664*	3/4X1/2	60	0	020	13.12

Std | Mstr | Disc Price Part Number Size Ctn Code Each

Hose Cross - with Legs (continued)

Hose Socket Inlet x Hose Socket Outlet x IPS Riser Outlet

† Dual Connection — Hose Socket Inlets and Outlets accept 1/2" irrigation hose inside, and have 3/4" MHT on the outside.

them 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.

Hose Cross - Less Legs

Hose Socket Inlet x Hose Socket Inlet x IPS Riser Outlet



Shown	without	adap	ters

	* * *				
HC-443-1 [†]	1/2X3/8	220	0	020	4.54
HC-444-1 [†]	1/2X1/2	200	0	020	4.54
HC-543-1*	5/8X1/2X3/8	60	0	020	6.28
HC-544-1*	5/8X1/2X1/2	60	0	020	6.28
HC-553-1*	5/8X3/8	50	0	020	8.32
HC-554-1*	5/8X1/2	50	0	020	8.32
HC-653-1*	3/4X5/8X3/8	60	0	020	8.59
HC-654-1*	3/4X5/8X1/2	60	0	020	8.59
HC-663-1*	3/4X3/8	60	0	020	9.08
HC-664-1*	3/4X1/2	60	0	020	9.08

† 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.

two (2) F-60 FHT Adapters with the applicable hose Socket size. Check with your servicing Regional Distribution Center for delivery lead time.

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.



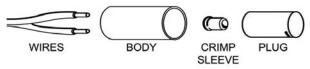
Turf & Irrigation Dri-Splice Wire Connectors

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



- Insert wires through holes in base of body.
- Twist stripped wires together and apply crimp sleeve with an indent type crimping tool. Trim excess bare wire.
- DS-100 & DS-150 ONLY Fill Plug to brim with DS-300 sealant.
- Invert body and insert plug into body until it snaps tight.
- Push wires all the way into the plug to completely seal the crimp sleeve.
- DS-100 & DS-150 ONLY Be certain sealant has formed into all holes in body.



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

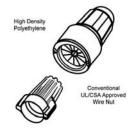
DS-100 & DS-150 Dri-Splice

- 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

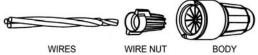
- All the features of the DS-100 or DS-150, plus the added benefit of being prefilled with Dielectric Silicone Sealant
- Reduced inventory requirements
- Insures proper amount and type of Sealant every time
- Eliminates costly waste and clean-up Makes installations quick, clean and efficient

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Dri-Splice Wire	Connectors								
Part Number	Size	Std	Mstr	Disc	Price				
Part Number	Size	Pk	Ctn	Code	Each				
Dri-Splice Wire Con	Dri-Splice Wire Connector with Crimp Sleeve (Sealant sold separately)								
DS-100	AWG #18, #14, #12, #10	25	400	020	1.46				
DS-150	AWG #14, #12, #10, #8, #6	25	400	020	1.75				
Pre-Filled Dri-Splice	Wire Connector with	Crim	p Sleev	/e					
DS-400	AWG #18, #14, #12, #10	25	400	020	3.19				
DS-450	AWG #14, #12, #10, #8, #6	25	400	020	3.47				
Crimp Sleeves									
DS-200	AWG #18, #14, #12, #10	25	15000	901	.25				
DS-250	AWG #14, #12, #10, #8, #6	25	12500	901	.53				
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	15.29				



DS-500 Dri-Splice Wire Connector Installation Information



- 1. Strip wires and install wire nut.
- 2. 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 Sealant:

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.

Shelf Life: DS-300 (unopened tube) - One Year'

DS-400 & DS-450 — Indefinite at 73°F (23°C)*

DS-500 - Indefinite at 73°F (23°C)*

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

in most areas. DS-100/DS-150 & Plug— PVC Body-PVC

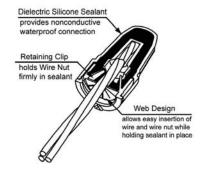
DS-400/DS-450 Components: Crimp Sleeve— UL and CSA Listed for 18 - 10 awg solid or stranded

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



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

Dri-Splice Wire Connectors

Dir Opnoc Wile	o o i i i coto i o							
Part Number	Size	Std	Mstr	Disc	Price			
		Pk	Ctn	Code	Each			
Pre-Filled Dri-Splice Wire Connector with Wire Nut								
DS-500	3 AWG #22-#10	25	500	020	3.19			

Turf & Irrigation 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.



When more than 100 gpm is required, filters may be installed in parallel

When installing filter, allow space for

solvent welding filter to pipe manifold

Remove stainless steel filter screen before

When filters are installed in the direct sun,

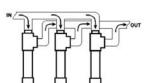
it is suggested the filter body be coated with a water-base latex paint having a high

Installation in a shaded area is preferred

removing filter screen for cleaning



- 200 psi Working Pressure Non-Shock @ 73°F (23°C)
- Filter Body is made from NSF®-PW Approved PVC Material
- NSF®-PW Approved PVC Mate
 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



-CAUTION-

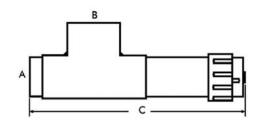
- WATER HAMMER MAY CAUSE SEVERE DAMAGE TO THE FILTER ASSEMBLY.
- BACK FLUSHING IS NOT RECOMMENDED.
- QUALITY GRADE THREAD SEALANT IS RECOMMENDED FOR ALL THREADED PVC CONNECTIONS.

	Hole	Part
Mesh Size	Size	Number
	(in.)	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.

Filter Dimensions & Weights

reflectance



A Inle		A Inlet		C Overall	Screen	Filter Approx.	
Octios	Socket	Spigot	Outlet	Length	Length	Weight	
FLR	2-1/2	3	4	28	24	8	
MFLR	2-1/2	3	4	16	12	4-3/4	

Filter Assembly with Stainless Steel Screen

Part Number	Size	Std Pk	Mstr	Disc	Price
		PK	Ctn	Code	Each
100 GPM					
FL-16*	2-1/2 /3 x 4	1	0	020	555.11
FL-32*	2-1/2 /3 x 4	1	0	020	567.73
FL-50	2-1/2 /3 x 4	1	0	020	643.40
FL-76	2-1/2 /3 x 4	1	0	020	777.14
FL-100	2-1/2 /3 x 4	1	0	020	706.48
FL-150	2-1/2 /3 x 4	1	0	020	731.74
FL-200	2-1/2 /3 x 4	1	0	020	794.81

*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 (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.

50 GPM

MFL-16*	2-1/2 /3 x 2	1	0	020	466.82
MFL-32*	2-1/2 /3 x 2	1	0	020	474.37
MFL-50	2-1/2 /3 x 2	1	0	020	489.48
MFL-76	2-1/2 /3 x 2	1	0	020	592.98
MFL-100	2-1/2 /3 x 2	1	0	020	517.27
MFL-150	2-1/2 /3 x 2	1	0	020	542.49
MFL-200	2-1/2 /3 x 2	1	0	020	605.57

*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 (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.

Filter Replacement Screens

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
100 GPM (24" Lengt	h)				
FL-16-1	1/16" Holes	3	0	020	222.04
FL-32-1	1/32" Holes	3	0	020	242.22

Filter Replacement Screens (continued)

Part Number	Size	Std	Mstr	Disc	Price			
Fait Nullibei	Size	Pk	Ctn	Code	Each			
100 GPM (24" Length)								
FL-50-1	50 Mesh	3	0	020	479.42			
FL-76-1	76 Mesh	3	0	020	474.37			
FL-100-1	100 Mesh	3	0	020	373.45			
FL-150-1	150 Mesh	3	0	020	403.71			
FL-200-1	200 Mesh	3	0	020	499.60			
NOTE: When ordering re	placement screens for El	and MEI	Sorios	Eiltore	placea provida			

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.

50 GPM (12" Length)

	1				
MFL-16-1	1/16" Holes	3	0	020	222.04
MFL-32-1	1/32" Holes	3	0	020	232.14
MFL-50-1	50 Mesh	3	0	020	252.33
MFL-76-1	76 Mesh	3	0	020	358.29
MFL-100-1	100 Mesh	3	0	020	277.57
MFL-150-1	150 Mesh	3	0	020	307.85
MFL-200-1	200 Mesh	3	0	020	378.46

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.

Filter Replacement Components

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each			
100 GPM Filter Body								
FL-11	2-1/2 /3 X 4	1	0	020	378.46			
50 GPM Filter Body								
MFL-11	2-1/2 /3 X 2	1	0	020	290.17			

Components for Old-Style Filters w/3" Bottom Cap

Part Number	Size	Pk	Mstr Ctn	Code	Each
Filter Cap w/Gasket					
FL-4A	3X1-1/4	70	0	020	31.55



Turf & Irrigation Filters & Reverse Flow Filters

Filters

Components for Old-Style Filters w/3" Bottom Cap

(continuea)					
Part Number	Size	Std	Mstr	Disc	Price
Fait Nullibei	Size	Pk	Ctn	Code	Each
Filter Cap w/Gasket					
FL-5A	3X1/4	70	0	020	31.55
Cap Gasket Only		-			
FCG-5	3	2	0	020	10.04

Components for New-Style Filters w/4" Bottom Cap

Part Number	Size	Std	Mstr	Disc	Price			
rait Nullibel	Size	Pk	Ctn	Code	Each			
Filter Cap w/O-rings								
FL-4B	4X1-1/4	25	0	020	57.97			
FL-5B	4X1/4	1	0	020	93.78			
Includes Cap with Cap O-	ring (1) and bottom Filter Bu	ushing (O-ring (1)				
Cap O-Ring Only								
B-242		100	0	901	.83			
Filter Bushing O-Rings								
B-335-60		100	0	901	3.66			
Each filter uses two (2) Filter Bushing O-rings for top and bottom screen seals								

Reverse Flow Filters





М

- 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

100 GPM Reverse Flow Filter Assembly with Stainless Steel Screen

Part Number	Size	Std	Mstr	Disc	Price				
rait Nullibei	Size	Pk	Ctn	Code	Each				
Socket x Socket/Spigot									
FLR-16*	4X2-1/2 /3	1	0	020	555.11				
FLR-32*	4X2-1/2 /3	1	0	020	567.73				
FLR-50	4X2-1/2 /3	1	0	020	643.40				
FLR-76	4X2-1/2 /3	1	0	020	777.14				
FLR-100	4X2-1/2 /3	1	0	020	706.48				
FLR-150	4X2-1/2 /3	1	0	020	731.74				
FLR-200	4X2-1/2 /3	1	0	020	794.81				
*Standard El 16 and El 22 can be utilized as Boyeres Elevy Eiltern by reversing installation									

*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.

50 GPM Filter Assembly with Stainless Steel Screen

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each			
Socket x Socket/Spi	Socket x Socket/Spigot							
MFLR-16*	2X2-1/2 /3	1	0	020	466.82			
MFLR-32*	2X2-1/2 /3	1	0	020	474.37			
MFLR-50	2X2-1/2 /3	1	0	020	489.48			
MFLR-76	2X2-1/2 /3	1	0	020	592.98			
MFLR-100	2X2-1/2 /3	1	0	020	517.27			
MFLR-150	2X2-1/2 /3	1	0	020	542.49			
MFLR-200	2X2-1/2 /3	1	0	020	605.57			
*Standard MFL-16 and MFL-32 can be utilized as Reverse Flow Filters by reversing								

100 GPM Reverse Flow Filter Replacement Screens (24" Length)

installation from current inlet to outlet and current outlet to inlet.

\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					
Part Number	Size	Std	Mstr	Disc	Price
l all Nulliber	Size	Pk	Ctn	Code	Each
FL-16-1	1/16" Holes	3	0	020	222.04
FL-32-1	1/32" Holes	3	0	020	242.22
FLR-50-1	50 Mesh	3	0	020	243.39
FLR-76-1	76 Mesh	3	0	020	474.37
FLR-100-1	100 Mesh	3	0	020	337.02

100 GPM Reverse Flow Filter Replacement Screens (24" Length) (continued)

Part Number	Size	Std Pk		Disc Code	Price Each
FLR-150-1	150 Mesh	3	0	020	383.52
FLR-200-1	200 Mesh	3	0	020	474.62

50 GPM Reverse Flow Filter Replacement Screens (12" Length)

Dort Number	Size	Std	Mstr	Disc	Price
Part Number	Size	Pk	Ctn	Code	Each
MFL-16-1	1/16" Holes	3	0	020	222.04
MFL-32-1	1/32" Holes	3	0	020	232.14
MFLR-50-1	50 Mesh	3	0	020	256.21
MFLR-76-1	76 Mesh	3	0	020	358.29
MFLR-100-1	100 Mesh	3	0	020	263.67
MFLR-150-1	150 Mesh	3	0	020	292.44
MFLR-200-1	200 Mesh	3	0	020	359.53

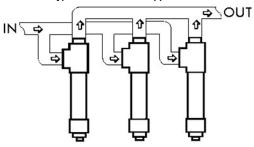
Turf & Irrigation Reverse Flow Filters



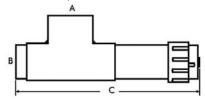
Mesh Size	Hole Size	Part Number
Mesti Size	(in.)	Extension
1/16" Holes	.0625	-16
1/32" Holes	.0312	-32
50 Mesh	.0117	-50
76 Mesh	.0095	-76
100 Mesh	.0059	-100
150 Mesh	.0041	-150
200 Mesh	.0029	-200

Additional Mesh Sizes available on request. Example: FLR-<u>50</u> = 50 Mesh

Typical Reverse Flow Application



- 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



Series	Α	B Ou	tlet	C Overall	Screen	Filter
Series	Inlet	Socket	Spigot	Length	Length	Approx. Weight
FLR	4	2-1/2	3	28	24	8
MFLR	4	2-1/2	3	16	12	4-3/4



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

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





- 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.

100 GPM PVC White Tee Filter

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each			
Buna-N O-ring Seal with Stainless Steel Screen								
TF-16*	2-1/2 /3 x 2-1/2 /3	1	0	020	555.11			
TF-32*	2-1/2 /3 x 2-1/2 /3	1	0	020	567.73			
TF-50	2-1/2 /3 x 2-1/2 /3	1	0	020	643.40			
TF-76	2-1/2 /3 x 2-1/2 /3	1	0	020	777.14			
TF-100	2-1/2 /3 x 2-1/2 /3	1	0	020	706.48			
TF-150	2-1/2 /3 x 2-1/2 /3	1	0	020	731.74			
TF-200	2-1/2 /3 x 2-1/2 /3	1	0	020	794.81			
50 GPM PVC White Tee Filter								

50 GPM PVC White Tee Filter								
Part Number	Size	Std	Mstr	Disc	Price			
I all Nullibel	Size	Pk	Ctn	Code	Each			
Buna-N O-ring Seal with Stainless Steel Screen								
MTF-16*	2-1/2 /3 x 2-1/2 /3	1	0	020	466.82			
MTF-32*	2-1/2 /3 x 2-1/2 /3	1	0	020	474.37			
MTF-50	2-1/2 /3 x 2-1/2 /3	1	0	020	489.48			
MTF-76	2-1/2 /3 x 2-1/2 /3	1	0	020	592.98			
MTF-100	2-1/2 /3 x 2-1/2 /3	1	0	020	517.27			
MTF-150	2-1/2 /3 x 2-1/2 /3	1	0	020	542.49			
MTF-200	2-1/2 /3 x 2-1/2 /3	1	0	020	605.57			

	Hole	Part
Mesh Size	Size	Number
	(in.)	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

100 GPM PVC White Reverse Tee Filter

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each		
Buna-N O-ring Seal with Stainless Steel Screen							
TF-16*	2-1/2 /3 x 2-1/2 /3	1	0	020	555.11		
TF-32*	2-1/2 /3 x 2-1/2 /3	1	0	020	567.73		
TFR-50	2-1/2 /3 x 2-1/2 /3	1	0	020	643.40		
TFR-76	2-1/2 /3 x 2-1/2 /3	1	0	020	777.14		
TFR-100	2-1/2 /3 x 2-1/2 /3	1	0	020	706.48		
TFR-150	2-1/2 /3 x 2-1/2 /3	1	0	020	731.74		
TFR-200	2-1/2 /3 x 2-1/2 /3	1	0	020	794.81		

50 GPM PVC White Reverse Tee Filter

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Buna-N O-ring Seal with Stainless Steel Screen					
MTF-16*	2-1/2 /3 x 2-1/2 /3	1	0	020	466.82
MTF-32*	2-1/2 /3 x 2-1/2 /3	1	0	020	474.37
MTFR-50	2-1/2 /3 x 2-1/2 /3	1	0	020	489.48
MTFR-76	2-1/2 /3 x 2-1/2 /3	1	0	020	592.98
MTFR-100	2-1/2 /3 x 2-1/2 /3	1	0	020	517.27

50 GPM PVC White Reverse Tee Filter (continued)

	Pk	Ctn	Code	Price Each		
Buna-N O-ring Seal with Stainless Steel Screen						
2-1/2 /3 x 2-1/2 /3	1	0	020	542.49		
2-1/2 /3 x 2-1/2 /3	1	0	020	605.57		
	2-1/2 /3 x 2-1/2 /3	vith Stainless Steel Screer 2-1/2 /3 x 2-1/2 /3 1	vith Stainless Steel Screen 2-1/2 /3 x 2-1/2 /3 1 0	vith Stainless Steel Screen 2-1/2 /3 x 2-1/2 /3 1 0 020		

100 GPM Filter Replacement Screens for TF Filters (24" Length)

Part Number	Size	Std	Std Mstr Disc		Price
	Size	Pk Ctn Code			Each
FL-16-1	1/16" Holes	3	0	020	222.04
FL-32-1	1/32" Holes	3	0	020	242.22
FL-50-1	50 Mesh	3	0	020	479.42
FL-76-1	76 Mesh	3	0	020	474.37
FL-100-1	100 Mesh	3	0	020	373.45
FL-150-1	150 Mesh	3	0	020	403.71
FL-200-1	200 Mesh	3	0	020	499.60

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.

50 GPM Filter Replacement Screens for MTF Filters (12" Length)

Part Number	Size	Std	Mstr	Disc	Price
- art rambor	0.20	Pk	Ctn	Code	Each
MFL-16-1	1/16" Holes	3	0	020	222.04
MFL-32-1	1/32" Holes	3	0	020	232.14
MFL-50-1	50 Mesh	3	0	020	252.33
MFL-76-1	76 Mesh	3	0	020	358.29
MFL-100-1	100 Mesh	3	0	020	277.57
MFL-150-1	150 Mesh	3	0	020	307.85
MFL-200-1	200 Mesh	3	0	020	378.46

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.

100 GPM Reverse Flow Filter Replacement Screens for TFR Filters (24" Length)

Part Number	Size	Std	Mstr	Disc	Price
rait Nullibel	Size	Pk	Ctn	Code	Each
FL-16-1	1/16" Holes	3	0	020	222.04
FL-32-1	1/32" Holes	3	0	020	242.22
FLR-50-1	50 Mesh	3	0	020	243.39
FLR-76-1	76 Mesh	3	0	020	474.37
FLR-100-1	100 Mesh	3	0	020	337.02
FLR-150-1	150 Mesh	3	0	020	383.52
FLR-200-1	200 Mesh	3	0	020	474.62

50 GPM Reverse Flow Filter Replacement Screens for MTFR Filters (12" Length)

Part Number	Size	Std			
	Size	Pk	Ctn	Code	Price Each 222.04 232.14 256.21 358.29
MFL-16-1	1/16" Holes	3	0	020	222.04
MFL-32-1	1/32" Holes	3	0	020	232.14
MFLR-50-1	50 Mesh	3	0	020	256.21
MFLR-76-1	76 Mesh	3	0	020	358.29
MFLR-100-1	100 Mesh	3	0	020	263.67

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



50 GPM Reverse Flow Filter Replacement Screens for MTFR Filters (12" Length) (continued)

Part Number	Size	Std	Mstr	Disc	Price
Part Number	Size	Pk	Ctn	Code	Each
MFLR-150-1	150 Mesh	3	0	020	292.44
MFLR-200-1	200 Mesh	3	0	020	359.53

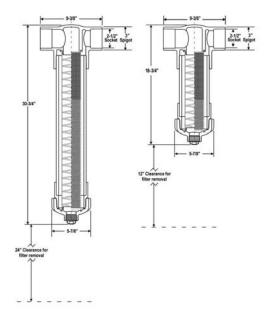
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Turf & Irrigation

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

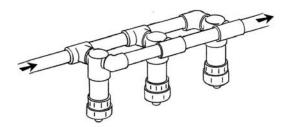
IN-LINE TECHNICAL INFORMATION

Dimensions



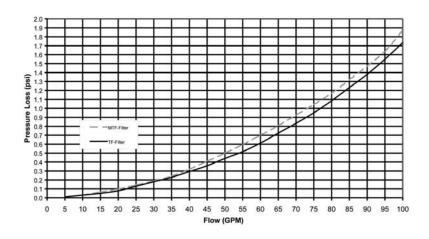
Filter includes drain plug for 1-1/4" NPT outlet. Optional valve for blow-out or filter cap with 1/4" NPT outlet can be purchased separately.

Parallel Filter Installation



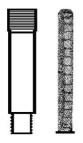
- When more than 100 gpm is required, filters may be installed in parallel.
- When installing filter, allow space for removing filter screen for cleaning.
- Remove stainless steel filter screen before solvent welding filter to pipe manifold to avoid cement contact with screen.
- When filters are installed 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.

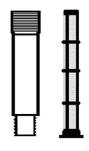
Pressure Loss



Turf & Irrigation Hose Filters







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).

Mesh Size	Hole Size	Part Number
	(in.)	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

7 GPM Steel

7	CDM	Dlactic/Ni.	des
1	GPIVI	Plastic/Ny	/IC)I

7 GPM Hose Fil	ter Assembly				
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
with Stainless Steel	Screen				
HF-20	3/4	10	60	020	18.71
HF-30	3/4	10	60	020	18.71
HF-50	3/4	10	60	020	18.71
HF-80	3/4	10	60	020	18.71
HF-100	3/4	10	60	020	19.43
HF-150	3/4	10	60	020	19.67
HF-200	3/4	10	60	020	20.20
with Plastic/Nylon S	creen				
HF-150N	3/4	10	60	020	19.67
Hose Filter Rep	lacement Screen				
Part Number	Size	Std	Mstr	Disc	Price
rait Number	Size	Pk	Ctn	Code	Each
Stainless Steel Scre	en				
HF-20-1W	5	25	150	020	6.84
HF-30-1W	5	25	150	020	6.84
HF-50-1W	5	25	150	020	6.84
HF-80-1W	5	25	150	020	6.84
HF-100-1W	5	25	150	020	10.11
HF-150-1W	5	25	150	020	10.11
HF-200-1W	5	25	150	020	10.11
Plastic/Nylon Scree	n				
HF-150-1NW	4-3/4	25	150	020	10.11
7 GPM Hose Fil	ter Body Compor	nents	3		
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Hose Filter Body w/	o screen	I K	Our	Code	Lacii
HF	3/4	10	60	020	14.07
Hose Washer					
W-100	3/4	50	1500	020	.04
Screen Washer	.				
S-W		600	0	901	.21
	-	100			