

4FOS and 5FOS Series

Multi-Cartridge Filter Housings



- Designed for general purpose industrial and commercial filtration needs
- Heavy-duty 304L or 316L stainless steel construction for maximum durability and corrosion resistance
- V-band clamp or swing bolt closures for quick and easy cartridge change outs and secure sealing
- Holds four or five cartridges from 10" to 40" lengths for optimal choice of flow rates
- Accepts double open-ended (DOE) style cartridges (222 and 226 style adapters are optional)
- Knife edge seals eliminate bypass on DOE cartridge
- Adjustable top plate accepts variable length cartridges
- Wide range of options to meet specific filtration and installation requirements

Applications

Water	Desalination
Chemicals	Food & Beverage
Electronics	Oil / Gas
Power	Inks / Paints / Coatings
Coolants	Pulp & Paper

Specifications & Operating Parameters

Maximum Operating Pressure

150 psig (10.3 bar) @ 300°F (149°C)

Inlet and Outlet Connections

Inlet /Outlet: 2" MNPT

Drain Ports: 1/2" FNPT

Vent Ports: 1/4" FNPT

*Optional: MNPT, FNPT and BSP fittings,
RF flanges, Sanitary ferrules and Grooved fittings*

Materials of Construction

Head and Shell: 304L or 316L Stainless Steel

Connections: 304L or 316L Stainless Steel

Closure: Clamp: 304L Stainless steel

Swing Bolts: Zinc Plated Steel

Vent and Drain Plugs: 304L or 316L Stainless Steel

Gaskets

Buna N (FDA Grade)

Optional: EPR, Silicone, Viton or Teflon

Encapsulated Silicone

Finish

Poly-coat on exterior surfaces

Optional: Electro-polish, Glass bead or Passivate

Cartridge Type

DOE style cartridges (maximum 2 3/4" OD)

Optional: 222 and 226 adapters

Custom Options

- Gauge Ports or Gauge Ports with Pressure Gauges

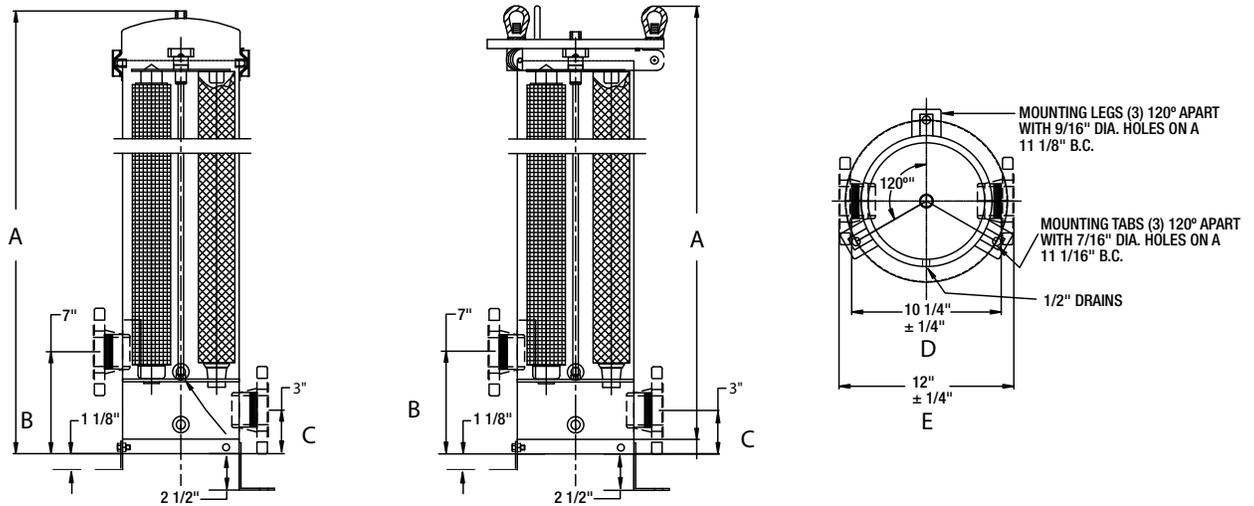
- Mounting Tabs, Mounting Legs or Heavy Duty Mounting Legs

See Ordering Guide for complete selection of options

MODEL	QUANTITY (LENGTH) OF CARTRIDGES +	RATED FLOW CAPACITY* GPM(LPM)	MAXIMUM DIAMETER CARTRIDGE	CLAMP STYLE	SWING BOLT STYLE				
				A	A	B	C	D	E
4FOS1/5FOS1	4/5 (10")	28 (106) / 35 (132)	2 3/4"	20 7/8" (53.0 cm)	22 1/4" (56.3 cm)	7" (17.8 cm)	3" (7.6 cm)	10 1/4" (26.0 cm)	12" (30.46 cm)
4FOS2/5FOS2	4/5 (20")	56 (212) / 70 (265)	2 3/4"	30 7/8" (78.4 cm)	32 1/4" (81.9 cm)	7" (17.8 cm)	3" (7.6 cm)	10 1/4" (26.0 cm)	12" (30.46 cm)
4FOS3//5FOS3	4/5 (30")	84 (318) / 105 (397)	2 3/4"	40 7/8" (103.8 cm)	42 1/4" (107.3 cm)	7" (17.8 cm)	3" (7.6 cm)	10 1/4" (26.0 cm)	12" (30.46 cm)
4FOS4/5FOS4	4/5 (40")	112 (424) / 140 (530)	2 3/4"	50 7/8" (129.2 cm)	52 1/4" (132.7 cm)	7" (17.8 cm)	3" (7.6 cm)	10 1/4" (26.0 cm)	12" (30.46 cm)

+ Housings will accept cartridge lengths: 10" = (9 3/4" or 10"), 20" = (19 1/2" or 20"), 30" = (29 1/4" or 30") and 40" = (39" or 40")
 * Based upon 7 gpm per 10" length with a 25 micron wound cartridge at 2 PSID clean and viscosity of 1 cps. Flow rates are for guidelines only, Actual flow rates are based on fluid, viscosity, cartridge type, micron ratings and other factors.

Dimensions



Ordering Guide (Example: 4FOS3SB-316-226-2MNPT-ML-B)

4FOS	3	SB	-	316	-	226	-	2	MNPT	-	ML	-	B
MODEL	LENGTH OF CARTRIDGES	CLOSURE STYLE	MATERIAL	CARTRIDGE CONFIGURATION	CONNECTION SIZE	CONNECTION TYPE	OPTIONS	GASKET					
4FOS 5FOS	1 = 1 High 2 = 2 High 3 = 3 High 4 = 4 High	C = Clamp SB = Swing Bolt	304 = 304L 316 = 316L	Blank=DOE Cartridges (Standard) 222 = 222 Fin/Flat Style Cartridges 226 = 226 Fin/Flat Style Cartridges	2 (standard) 1.5	MNPT = Male Pipe Thread (Standard) FNPT = Female Couplings + BSPT = BSP Tapered + BSPP = BSP Parallel + F = Flange TC = Ferrules GF = Grooved Fittings	TABS = Mounting Tabs ML = Mounting Legs OL = Heavy Duty Legs GP = Gauge Ports GPA = Gauge ports with Gauges EP = Electropolished GB = Glass Bead P = Passivate	B = Buna N (Standard) E = EPR S = Silicone V = Viton TS = Teflon Encapsulated Silicone					

+ Available only in 2" connection size

Customization

Housings may be customized to meet your precise requirements. Contact Shelco's technical support staff or your distributor for more information.



Shelco Filters

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7FOS Series

Universal Multi-Cartridge Filter Housings



- Designed for industrial and commercial filtration needs
- Heavy-duty 304L or 316L stainless steel construction for maximum durability and corrosion resistance
- V-band clamp or swing bolt closures for quick and easy cartridge change outs and secure sealing
- Holds seven cartridges between 10" to 40" lengths for optimal choice of flow rates
- Universal seats accept DOE and 222 style cartridges (226 cartridge connectors are optional)
- Knife edge seals eliminate bypass on DOE cartridges
- Adjustable top plate accepts variable length cartridges
- Stainless steel mounting legs
- Wide range of options to meet specific filtration and installation requirements

Applications

Water	Desalination
Chemicals	Food & Beverage
Electronics	Oil / Gas
Power	Inks / Paints / Coatings
Coolants	Pulp & Paper

Specifications & Operating Parameters

Maximum Operating Pressure

150 psig (10.3 bar) @ 300°F (149°C)

Inlet and Outlet Connections

Inlet /Outlet: 2" MNPT

Drain Ports: 1/2" FNPT

Vent Ports: 1/4" FNPT

*Optional: MNPT, FNPT and BSP fittings,
RF flanges, Sanitary ferrules and Grooved fittings*

Materials of Construction

Head and Shell: 304L or 316L Stainless Steel

Connections: 304L or 316L Stainless Steel

Closure: Clamp: 304L Stainless steel

Swing Bolts: Zinc Plated Steel

Vent and Drain Plugs: 304L or 316L Stainless Steel

Mounting Legs: 304L Stainless Steel

Gaskets

Buna N (FDA Grade)

*Optional: EPR, Silicone, Viton or Teflon
Encapsulated Silicone*

Finish

Poly-coat on exterior surfaces

Optional: Electro-polish, Glass bead or Passivate

Cartridge Type

DOE or 222 cartridges (maximum 2 3/4" OD)

Optional: 226 adapters

Custom Options

- Gauge Ports or Gauge Ports with Pressure Gauges

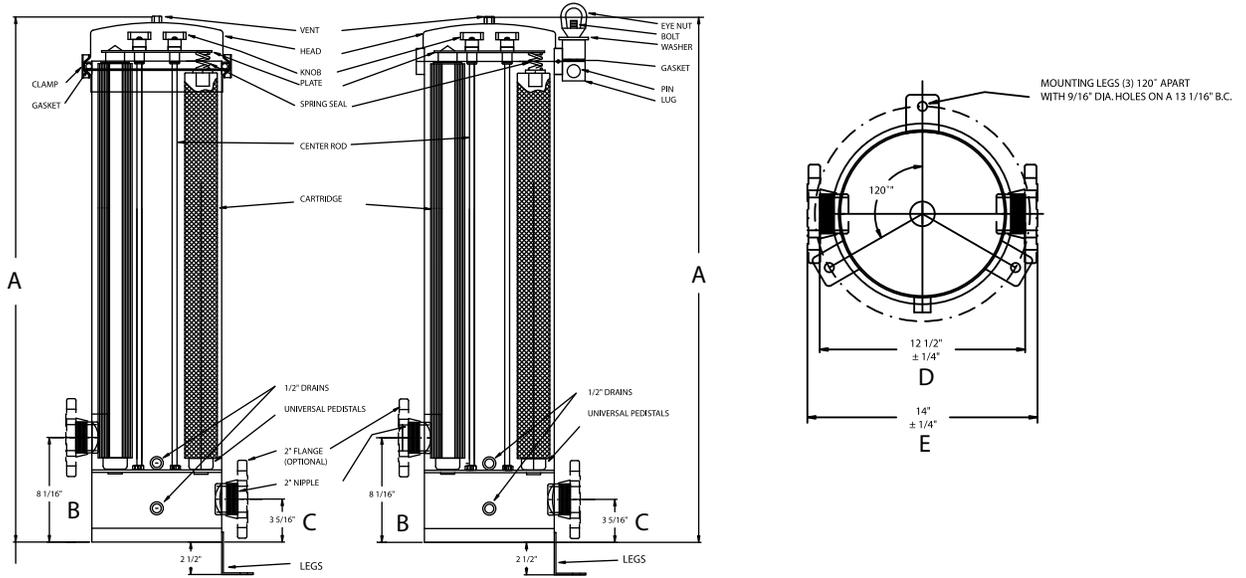
- Heavy Duty Mounting Legs

See Ordering Guide for complete selection of options

MODEL	QUANTITY (LENGTH) OF CARTRIDGES +	RATED FLOW CAPACITY* GPM(LPM)	INLET / OUTLET (PIPE SIZE)	MAXIMUM DIAMETER CARTRIDGE	CLAMP STYLE	SWING BOLT STYLE				
					A	A	B	C	D	E
7FOS1	7 (10")	49 (185.5)	2"	2 3/4"	20 1/2" (52.1 cm)	21" (53.3 cm)	8 1/16" (20.48 cm)	3 5/16" (8.41 cm)	12 1/2" (31.75 cm)	14" (35.56 cm)
7FOS2	7 (20")	98 (371.10)	2"	2 3/4"	30 1/2" (77.5 cm)	40 1/2" (102.9 cm)	8 1/16" (20.48 cm)	3 5/16" (8.41 cm)	12 1/2" (31.75 cm)	14" (35.56 cm)
7FOS3	7 (30")	157 (594.3)	2"	2 3/4"	49 1/2" (125.7 cm)	50 1/2" (15.4 cm)	8 1/16" (20.48 cm)	3 5/16" (8.41 cm)	12 1/2" (31.75 cm)	14" (35.56 cm)
7FOS4	7 (40")	196 (741.9)	2"	2 3/4"	59 1/2" (151.1 cm)	60 1/2" (153.7 cm)	8 1/16" (20.48 cm)	3 5/16" (8.41 cm)	12 1/2" (31.75 cm)	14" (35.56 cm)

+ Housings will accept cartridge lengths: 10" = (9 3/4" or 10"), 20" = (19 1/2" or 20"), 30" = (29 1/4" or 30") and 40" = (39" or 40")
 * Based upon 7 gpm per 10" length with a 25 micron wound cartridge at 2 PSID clean and viscosity of 1 cps. Flow rates are for guidelines only. Actual flow rates are based on fluid, viscosity, cartridge type, micron ratings and other factors.

Dimensions



Ordering Guide (Example: 7FOS3-C-316-226-2-MNPT-ML-B)

7FOS	3	C	- 316	- 226	- 2	MNPT	- ML	- B
MODEL	LENGTH OF CARTRIDGES	CLOSURE STYLE	MATERIAL	CARTRIDGE CONFIGURATION	CONNECTION SIZE	CONNECTION TYPE	OPTIONS	GASKET
7FOS	1 = 1 High 2 = 2 High 3 = 3 High 4 = 4 High	C = Clamp SB = Swing Bolt	304 = 304L 316 = 316L	Blank = Universal Pedestal for DOE and 222 Fin/Flat Style Cartridges (Standard) 226 = 226 Fin/Flat Style Cartridge	2 (standard) 1.5 3	MNPT = Male Pipe Thread (standard) FMPT = Female Couplings BSPT = BSP Tapered * BSPP = BSP Parallel * F = Flange TC = Ferrules GF = Grooved Fittings	ML = Mounting Legs (standard) OL = Heavy Duty Legs GP = Gauge Ports GPA = Gauge ports with Gauges EP = Electropolished GB = Glass Bead P = Passivate	B = Buna N (standard) E = EPR S = Silicone V = Viton TS = Teflon Encapsulated Silicone

* BSPT and BSPP are all available in 2" MALE connections only.

Customization

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12FOS and 22FOS Series

Multi-Cartridge Filter Housings



- Designed for industrial and commercial filtration needs
- Heavy-duty 304L or 316L stainless steel construction for maximum durability and corrosion resistance
- V-band clamp or swing bolt closures for quick and easy cartridge change outs and secure sealing
- Holds 30" or 40" cartridge lengths to accommodate a wide range of flow rates
- Accepts double open-ended (DOE) style cartridges (222 and 226 style adapters are optional)
- Knife edge seals eliminate bypass on DOE cartridges
- Top spring seals allow for cartridge length variations
- Flange inlet and outlet connections allow for easy piping
- Equipped with heavy-duty stainless steel mounting legs

Applications

Water	Desalination
Chemicals	Food & Beverage
Electronics	Oil / Gas
Power	Inks / Paints / Coatings
Coolants	Pulp & Paper

Specifications & Operating Parameters

Maximum Operating Pressure

150 psig (10.3 bar) @ 300°F (149°C)

Inlet and Outlet Connections

Inlet /Outlet: 3" (12FOS) and 4" (22FOS) RF Flanges

Drain Ports: 1/2" FNPT

Vent Ports: 1/4" FNPT (12FOS), 1/2" FNPT (22FOS)

Optional: RF flanges, Sanitary ferrules, MNPT, FNPT, BSP and Grooved fittings.

Materials of Construction

Head and Shell: 304L or 316L Stainless Steel

Connections: 304L or 316L Stainless Steel

Closure: Clamp: 304L Stainless Steel

Swing Bolts: Zinc Plated Steel

Vent and Drain Plugs: 304L or 316L Stainless Steel

Mounting Legs: 304L Stainless Steel

Gaskets

Buna N (FDA Grade)

Optional: EPR, Silicone, Viton or Teflon Encapsulated Silicone

Finish

Poly-coat on exterior surfaces

Optional: Electro-polish, Glass bead or Passivate

Cartridge Type

DOE style cartridges (maximum 2 3/4" diameter for 12FOS and 2 5/8" diameter for 22FOS series)

Optional: 222 and 226 adapters. For 2 3/4" cartridge 22FOS series holds twenty-one cartridges... order as 21FOS housing.

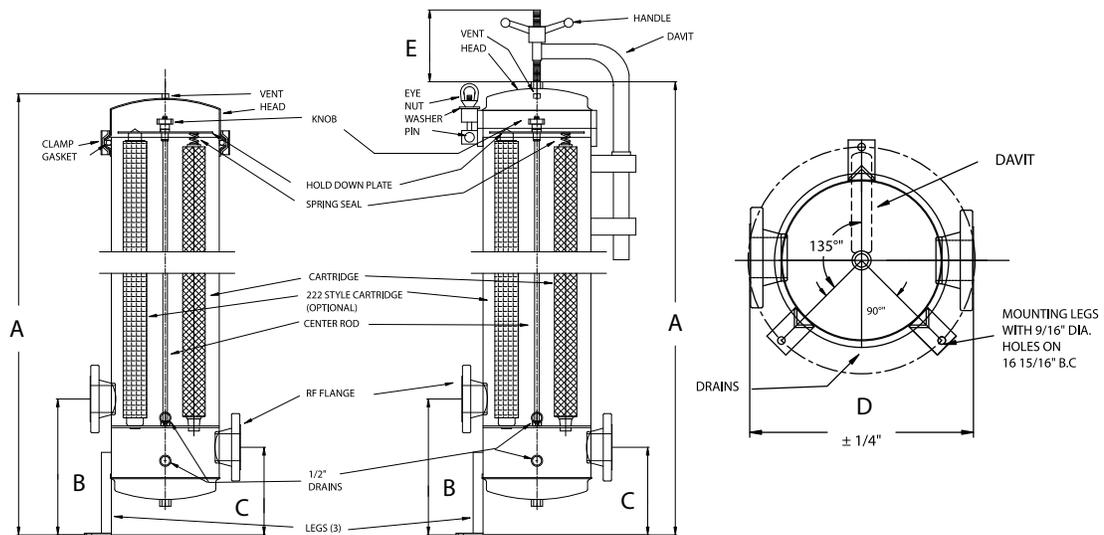
Custom Options

- Gauge Ports or Gauge Ports with Pressure Gauges
See Ordering Guide for complete selection of options

MODEL	QUANTITY (LENGTH) OF CARTRIDGES +	RATED FLOW CAPACITY* GPM(LPM)	INLET / OUTLET (PIPE SIZE)	MAXIMUM DIAMETER CARTRIDGE	CLAMP STYLE	SWING BOLT STYLE				
					A	A	B	C	D	E
12FOS2	12 (20")	168 (636)	3"	2 3/4"	39 1/2" (100.3 cm)	40 1/2" (102.9 cm)	15 3/8" (39.1 cm)	10" (25.4 cm)	16 11/16" (42.5 cm)	8" (20.3 cm)
12FOS3	12 (30")	252 (954)	3"	2 3/4"	49 1/2" (125.7 cm)	50 1/2" (128.3 cm)	15 3/8" (39.1 cm)	10" (25.4 cm)	16 11/16" (42.5 cm)	8" (20.3 cm)
12FOS4	12 (40")	336 (1272)	3"	2 3/4"	59 1/2" (151.1 cm)	60 1/2" (153.7 cm)	15 3/8" (39.1 cm)	10" (25.4 cm)	16 11/16" (42.5 cm)	8" (20.3 cm)
22FOS3**	22 (30")	462 (1749)	4"	2 5/8" **	50 3/16" (127.5 cm)	50 3/16" (127.5 cm)	15 1/4" (38.7 cm)	9 1/2" (24.1 cm)	21" (53.3 cm)	12" (25.4 cm)
22FOS4**	22 (40")	616 (2332)	4"	2 5/8" **	60 3/16" (152.9 cm)	60 3/16" (152.9 cm)	15 1/4" (38.7 cm)	9 1/2" (24.1 cm)	21" (53.3 cm)	12" (25.4 cm)

- + Housings will accept cartridge lengths: 10" = (9 3/4" or 10"), 20" = (19 1/2" or 20"), 30" = (29 1/4" or 30") and 40" = (39" or 40")
- Based upon 7 gpm per 10" length with a 25 micron wound cartridge at 2 PSID clean and viscosity of 1 cps. Flow rates are for guidelines only. Actual flow rates are based on fluid, viscosity, cartridge type, micron ratings and other factors.
- ** When using 222 or 226 connectors, you must change to a 21FOS housing (21 round) for 2 3/4" OD cartridges.

Dimensions



Ordering Guide (Example: 12FOS3SB-316-222-3F-GP-B)

12FOS	3	SB	-	316	-	222	-	3	F	-	GP	-	B
MODEL	LENGTH OF CARTRIDGES	CLOSURE STYLE		MATERIAL		CARTRIDGE CONFIGURATION		CONNECTION SIZE		CONNECTION TYPE		OPTIONS	GASKET
12FOS 22FOS	2 = 2 High 3 = 3 High 4 = 4 High	C = Clamp SB = Swing Bolt		304 = 304L 316 = 316L		Blank = DOE Style Cartridges (Standard) 222 = 222 Fin/Flat Style Cartridges 226 = 226 Fin/Flat Style Cartridges		3 = 3" (Standard for 12FOS) 4 = 4" (Standard for 22FOS) 2 = 2"		F = Flange (Standard) TC = Ferrules GF = Grooved Fittings MNPT = Male NPT* FNPT = Female NPT*		GP = Gauge Ports GPA = Gauge ports with Gauges EP = Electro-Polish GB = Glass Bead P = Passivate	B = Buna N (Standard) E = EPR S = Silicone V = Viton TS = Teflon Encapsulated Silicone

* Available in 2" sizes

Customization

Housings may be customized to meet your precise requirements. Contact Shelco's technical support staff or your distributor for more information.



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36FOS and 52FOS Series

Multi-Cartridge Filter Housings



- Designed for industrial and commercial filtration needs
- Heavy-duty 304L or 316L stainless steel construction with Swing Bolt Closure and Lifting Davit for maximum durability
- Swing bolt closure for easy cartridge change-outs and secure sealing
- Holds thirty-six (36) or fifty-two (52) cartridges to service a wide range of higher flow rates
- Accepts standard double open-ended (DOE) style cartridges (222 and 226 style adapters are optional)
- Knife edge seals eliminate bypass on DOE cartridges
- Top spring seals allow for cartridge length variations
- Flange inlet and outlet connections allow for easy piping
Drain connections permit quick evacuation of housing
- Equipped with heavy-duty stainless steel mounting legs

Applications

Water	Desalination
Chemicals	Food & Beverage
Electronics	Oil / Gas
Power	Inks / Paints / Coatings
Coolants	Pulp & Paper

Specifications & Operating Parameters

Maximum Operating Pressure

150 psig (10.3 bar) @ 300°F (149°C)

Inlet and Outlet Connections

Inlet /Outlet: 6" RF Flange

Drain Ports: 3/4" FNPT

Vent Ports: 1/2" FNPT

Options: RF flanges, Sanitary ferrules, BSP, MNPT, FNPT and Grooved fittings

Materials of Construction

Head and Shell: 304L or 316L Stainless Steel

Connections: 304L or 316L Stainless Steel

Vent and Drain Plugs: 304L or 316L Stainless Steel

Mounting Legs: 304L Stainless Steel

Swing Bolts: Zinc Plated Steel

Gaskets

Buna N (FDA Grade)

Optional: EPR, Silicone, Viton or Teflon Encapsulated Silicone

Finish

Poly-coat on exterior surfaces

Optional: Electro-polish, Glass bead or Passivate

Cartridge Type

DOE style cartridges (maximum 2 5/8" diameter)

Optional: 222 and 226 adapters. For 2 3/4" diameter cartridges... order as 32FOS or 50FOS housings

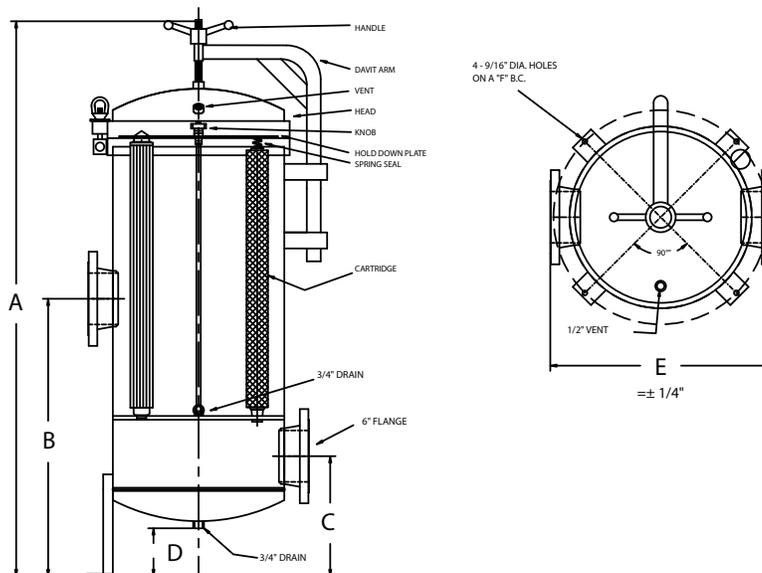
Custom Options

- Gauge Ports or Gauge Ports with Pressure Gauges
- See Ordering Guide for complete selection of options*

MODEL	QUANTITY (LENGTH) OF CARTRIDGES +	RATED FLOW CAPACITY* GPM(LPM)	INLET / OUTLET (PIPE SIZE)	MAXIMUM DIAMETER CARTRIDGE	A	B	C	D	E	F
36FOS3**	36 (30")	540 (2044)	6"	2 5/8" **	64 3/4" (164.5 cm)	32 3/8" (82.2 cm)	14" (35.6 cm)	5 9/16" (14.1 cm)	25 7/8" (65.7 cm)	25" (63.5 cm)
36FOS4**	36(40")	720 (2725)	6"	2 5/8" **	74 3/4" (189.9 cm)	32 3/8" (82.2 cm)	14" (35.6 cm)	5 9/16" (14.1 cm)	25 7/8" (65.7 cm)	25" (63.5 cm)
52FOS3	52 (30")	780 (2952)	6"	2 5/8" **	65 15/16" (167.5 cm)	32 3/8" (82.2 cm)	14" (35.6 cm)	5 9/16" (14.1 cm)	29 7/8" (75.9 cm)	29" (66.0 cm)
52FOS4	52 (40")	1040 (3937)	6"	2 5/8" **	75 15/16" (192.9 cm)	32 3/8" (82.2 cm)	14" (35.6 cm)	5 9/16" (14.1 cm)	29 7/8" (75.9 cm)	29" (66.0 cm)

- + Housings will accept cartridge lengths: 30" = (29 1/4" or 30") and 40" = (39" or 40")
- * Based upon 7 gpm per 10" length with a 25 micron wound cartridge at 2 PSID clean and viscosity of 1 cps. Flow rates are for guidelines only. Actual flow rates are based on fluid, viscosity, cartridge type, micron ratings and other factors.
- ** When using 222 or 226 connectors with 2 3/4" OD filter cartridges in a 36FOS housing, you must change to a 32FOS housing (32 round). When using 222 or 226 connectors with 2 3/4" OD filter cartridges in a 52FOS housing, you must change to a 50FOS housing (50 round).

Dimensions



Ordering Guide (Example: 36FOS3SB-316-222-6F-GP-B)

MODEL	LENGTH OF CARTRIDGES	CLOSURE STYLE	MATERIAL	CARTRIDGE CONFIGURATION	CONNECTION SIZE	CONNECTION TYPE	OPTIONS	GASKET
36FOS 52FOS	3 = 3 High 4 = 4 High	SB = Swing Bolt	304 = 304L 316 = 316L	Blank = DOE Style Cartridges (Standard) 222 = 222 Fin/Flat Style Cartridges 226 = 226 Fin/Flat Style Cartridges	6 = 6" (Standard) 8 = 8"**	F = Flange (Standard) TC = Ferrules GF = Grooved Fittings	GP = Gauge Ports GPA = Gauge ports with Gauges EP = Electro-Polish GB = Glass Bead P = Passivate	B = Buna N (Standard) E = EPR S = Silicone V = Viton TS = Teflon Encapsulated Silicone

* Available in RF Flanges and Grooved Fittings

Customization

Housings may be customized to meet your precise requirements. Contact Shelco's technical support staff or your distributor for more information.



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BF Series

Single Bag Housings: #1, #2, #3 and #4 sizes



- Designed for industrial and commercial filter applications
- Heavy duty construction for maximum durability
- 1/8" perforated stainless steel basket (optional perforations and mesh sizes available)
- #1 and #2 Size Housings:
 - Available in 316L Stainless Steel, 304L Stainless Steel or Carbon Steel construction for a wide range of chemical compatibility
 - Clamp or Swing Bolt closures
 - Stainless steel compression spring provides positive bag sealing
 - Adjustable stainless steel leg assembly
 - 1/4" FNPT gauge ports and 1/2" FNPT drain port
- #3 and #4 Size Housings:
 - 316 Stainless Steel construction
 - Clamp closure for easy bag change outs
 - Optional compression spring and adjustable mounting legs

Applications

Water	Chemicals
Food & Beverage	Electronics
Oil	Inks / Paints / Coatings
Coolants	Pulp & Paper

Specifications & Operating Parameters

Maximum Operating Pressure

150 psig (10.3 bar) @ 300°F (149°C)

Connections

Inlet /Outlet:

2" FNPT (#1 and #2 Sizes)

3/4", 1" and 1 1/2" FNPT (#3 and #4 Sizes)

Optional: RF Flanges or Sanitary Ferrules

Drain Port: 1/2" FNPT (#1 and #2 Sizes)

Gauge Ports: 1/4" FNPT - clean and dirty sides (#1 and #2 sizes)

Vent Port: 1/4" NPT Plug

Gaskets

Buna N

Optional: EPR, Silicone, Teflon Encapsulated Silicone, Viton

Baskets

1/8" perforated stainless steel

Options: various perforation and mesh sizes

Materials of Construction

Head / Shell:

#1 and #2 Sizes

316L Stainless Steel, 304L Stainless Steel, Carbon Steel

#3 and #4 Sizes

316L Stainless Steel

Eye Nuts: Zinc plated steel

Mounting Legs: 304L Stainless Steel

Options

- Side Inlet / Side Outlet (#1 and #2 sizes)

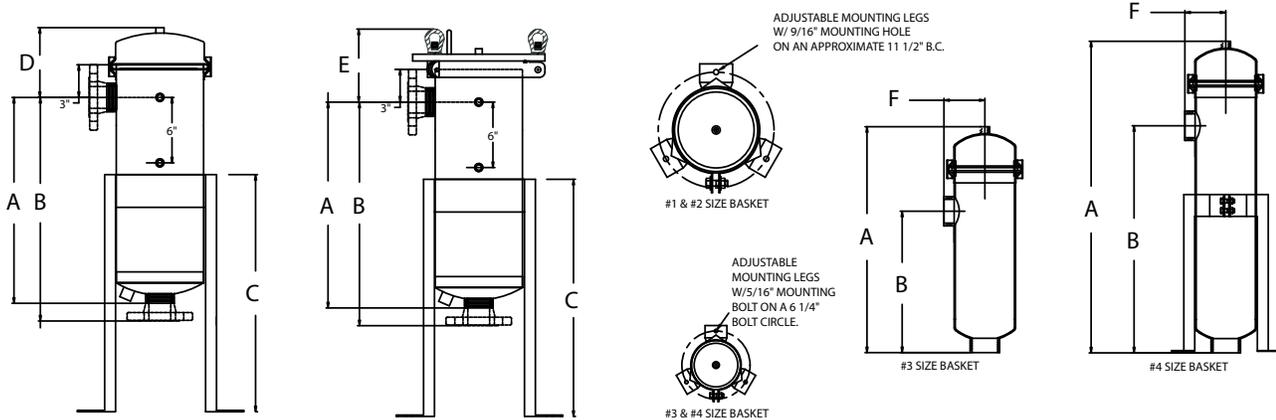
- 134 epoxy coating for seawater and corrosive applications

See ordering guide for complete selection of options

MODEL AND BAG SIZE	CLOSURE	MAX FLOW RATE* GPM (LPM)	DRAIN SIZE	DIMENSIONS					
				A	B	C	D	E	F
BFS-1 / BFC-1	Clamp or Swing Bolt	70 (265)	1/2"	18 7/8" (47.9 cm)	20 1/2" (52.1 cm)	21 3/4" (55.2 cm)	3" (7.6 cm)	6 11/16" (17.0 cm)	3" (7.6 cm)
BFS-2 / BFC-2	Clamp or Swing Bolt	150 (567)	1/2"	34 7/8" (88.6 cm)	22 3/4" (92.7 cm)	21 3/4" (55.2 cm)	3" (7.6 cm)	6 11/16" (17.0 cm)	3" (7.6 cm)
BFS-3	Clamp	25 (95)		16 9/16" (42.1 cm)	10 3/8" (26.4 cm)				
BFS-4	Clamp	40 (151)		22 7/8" (58.1 cm)	16 11/16" (42.4 cm)				

*Flow rates are guidelines only. Actual flow rates are based upon fluid, viscosity, bag type, micron ratings and other factors

Dimensions



Ordering Guide (Example: BFS-2SB-2-316-B)

BFS - 2		SB - 2		316		B	
MODEL	BAG SIZE	CLOSURE	PIPE SIZE	MATERIAL	CONNECTION ORIENTATION	GASKET	
#1 and #2 Sizes							
BFS = Stainless Steel BFC = Carbon Steel	1 2	C = Clamp SB = Swing Bolt	2 = 2" FNPT (standard) 2F = 2" RF Flange 3 = 3" FNPT 3F = 3" RF Flange 2TC = 2" Sanitary Ferrules	304 = 304 SS 316 = 316 SS 134 = 134 Coating over 304 SS*	Blank = Side In / Bottom Out 2 = Side In / Side Out	B = Buna N (Standard) E = EPR S = Silicone V = Viton	
#3 and #4 Sizes							
BFS = Stainless Steel	3 4	C = Clamp	75 = 3/4" FNPT 1 = 1" RF Flange 1.5 = 1 1/2" FNPT (standard)	316 = 316 SS	Blank = Side In / Bottom Out 2 = Side In / Side Out (Hold Down Spring Recommended)	B = Buna N (Standard) E = EPR S = Silicone V = Viton	

* Note: 134 Coating must have swing bolt closure and flanged connections.

Customization

Housings may be customized to meet your precise requirements. Contact Shelco's technical support staff or your distributor for more information.



Shelco Filters

100 Bradley Street
Middletown, CT 06457 USA

Tel: 800-543-5843 / Fax: 860-854-6120 / E-mail: info@shelco.com

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BFS Series

Multi-Bag Housings – Two through Six Round



- Designed for high flow industrial and commercial filter applications
- 304L or 316L Stainless Steel Construction for maximum durability
- 2BFS housings with Clamp Closure
 - Recognized market leader offering exceptional value
 - Clamp closure offers quick and easy bag change-outs
 - 150 PSI pressure rating up to 250°F
 - 3" Flanged Connections
- 2BFS through 6BFS with Swing Bolt Closure
 - Heavy Duty Swing Bolt Closure and Davit Assembly are ideal for larger flow applications
 - Low profile for easy bag change-outs
 - 150 PSI pressure rating up to 300°F
 - Eye nuts and davit handle are zinc plated to prevent gauling
- Optional 134 epoxy coating for seawater or corrosive applications

Applications

Water	Chemicals
Food & Beverage	Electronics
Oil	Inks / Paints / Coatings
Coolants	Pulp & Paper

Specifications & Operating Parameters

Maximum Operating Pressure

150 psig (10.3 bar) @ 250°F (121°C) – Clamp closure
150 psig (10.3 bar) @ 300°F (149°C) – Swing bolt closure

Connections

Inlet /Outlet:

- 3" RF Flanges (2BFS)
- 4" RF Flanges (3BFS, 4BFS)
- 6" RF Flanges (5BFS and 6BFS)

Optional: RF Flanges or Sanitary Ferrules

Drain Port:

- 1/2" FNPT (2BFS-2C)
- 3/4" FNPT (2BFS-2SB - 6BFS-2SB)

Vent Port: 1/2" FNPT

Gauge Ports: 1/4" FNPT

Materials of Construction

Head / Shell: 304L or 316L Stainless Steel
Eye Nuts and Davit Handle: Zinc Plated Steel
Mounting Legs: 304L Stainless Steel

Gaskets

Buna N

Optional: EPR, Silicone, Teflon Encapsulated Silicone, Viton

Baskets

1/8" perforated Stainless Steel

Optional: Various perforation and mesh sizes

Finish

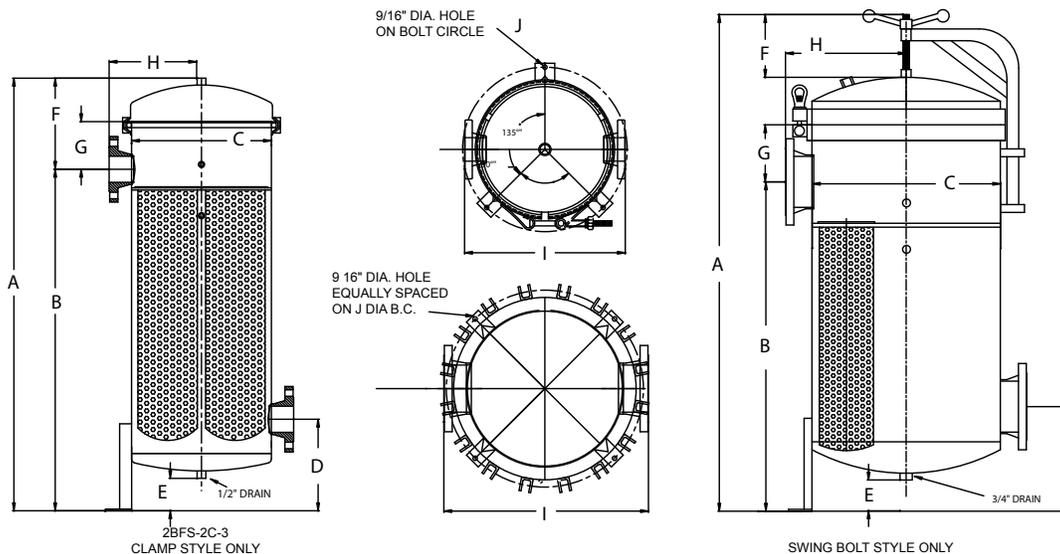
Poly-coat on exterior surfaces

Optional: 134 coating or electro-polish

MODEL	CLOSURE	FLOW RATE* GPM (LPM)	DIMENSIONS									
			A	B	C	D	E	F	G	H	I	J
2BFS-2C	Clamp	350 (1325)	49 9/16" (125.9)	39 1/8" (99.4)	16" (40.6)	10 1/2" (26.7)	4 1/8" (10.5)	11 5/8" (29.5)	13 5/8" (34.6)	10 9/16" (26.8)	20 1/2" (52.1)	20 15/16" (53.2)
2BFS-2SB	Swing Bolt	350 (1325)	49 9/16" (125.9)	39 1/8" (99.4)	16" (40.6)	10 1/2" (26.7)	3 11/16" (9.4)	10" (25.4)	6 7/8" (17.5)	10 9/16" (26.8)	20 1/2" (52.1)	20 15/16" (53.2)
3BFS-2SB	Swing Bolt	525 (1987)	52 7/8" (134.3)	41 1/16" (104.3)	20" (50.8)	10 3/4" (27.2)	3 1/4" (8.3)	10" (25.4)	6 1/4" (15.9)	12 5/16" (31.3)	22 5/8" (57.5)	25" (63.5)
4BFS-2SB	Swing Bolt	700 (2650)	61 1/4" (155.6)	40 1/2" (102.9)	20" (50.8)	11 1/4" (28.6)	3 1/4" (8.3)	10" (25.4)	8" (20.3)	12 7/8" (32.7)	26 1/16" (66.2)	25" (63.5)
5BFS-2SB	Swing Bolt	700 (3312)	63 1/2" (161.3)	42" (106.7)	24" (61.0)	13 3/8" (34.0)	4" (10.2)	10" (25.4)	7 1/4" (18.4)	15 3/8" (39.0)	30" (76.2)	29" (73.7)
6BFS-2SB	Swing Bolt	1050 (3975)	63 1/2" (161.3)	42" (106.7)	24" (61.0)	13 3/8" (34.0)	4" (10.2)	10" (25.4)	7 1/4" (18.4)	15 3/8" (39.0)	30" (76.2)	29" (73.7)

* Flow rates are for guide lines only. Actual flow rates are based upon fluid viscosity, bag type, micron rating and other factors.

Dimensions



Ordering Guide (Example: 2BFS-2SB-3-316B)

MODEL	BAG SIZE	CLOSURE STYLE	FLANGE**	MATERIAL	GASKET
2BFS 3BFS 4BFS 5BFS 6BFS	2	C = Clamp* SB = Swing Bolt	3 = 3" 4 = 4" 6 = 6"	304 = 304L SS 316 = 316L SS 134 = 134 Coating over 304L SS+	B = Buna N (Standard) E = EPDM S = Silicone V = Viton T = Teflon Encapsulated Silicone

* Clamp Closure only available in for 2BFS-2C housing

+ 134 Coating must have swing bolt closure and flanged connections

** Standard flange sizes are 3" for 2BFS, 4" for 3BFS and 4BFS, 6" for 5BFS and 6BFS

Customization

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SJCH Series

Single Jumbo Cartridge Filter Housings



- Designed for residential, commercial and industrial filter applications
- Accepts single jumbo cartridge for easy installation and replacement
- Heavy-duty 304L or 316L Stainless Steel construction for maximum durability and corrosion resistance
- V-band clamp or swing bolt closures for quick and easy cartridge change outs and secure sealing
- Available in three sizes to support flow rates up to 150 GPM
- Standard with pressure gauges, mounting legs and grounding lug
- 20 micron and above elements may be washed and reused

Applications

Water	Desalination
Chemicals	Food & Beverage
Electronics	Oil / Gas
Power	Inks / Paints / Coatings
Coolants	Pulp & Paper

Specifications & Operating Parameters

Maximum Operating Pressure

150 psig (10.3 bar) @ 300°F (149°C)

Connections

Inlet /Outlet: Standard - 2" MNPT

*Optional: MNPT, FNPT or BSP fittings; RF Flanges,
Sanitary Ferrules or Grooved Fittings*

Drain Ports: 1/2" NPT

Vent Ports: 1/4" NPT

Materials of Construction

Head / Shell / Connections: 304L or 316L Stainless Steel

Closure: Clamp – 304L Stainless Steel

Swing Bolts – Zinc Plated Steel

Vent and Drain Plugs: 304L or 316L Stainless Steel

Gaskets

Standard: Buna N (FDA Grade),

Optional: EPR, Silicone,

Teflon Encapsulated Silicone, Viton

Finish

Poly-coat on exterior surfaces

Optional: Electro-polish, Glass Bead or Passivate

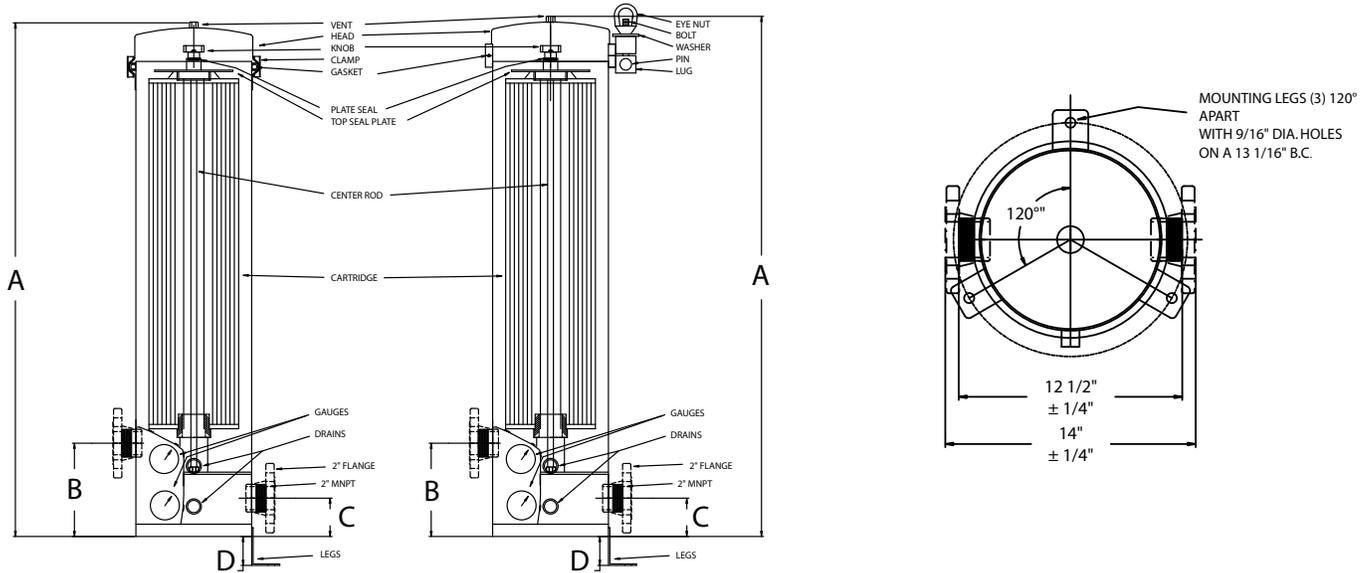
Custom Options

- Mounting Tabs or Heavy Duty Mounting Legs

See ordering guide for complete selection of options

MODEL	RATED FLOW CAPACITY* GPM (LPM)	MAXIMUM DIAMETER CARTRIDGE	CLAMP STYLE	SWING BOLT STYLE			
			A	A	B	C	D
SJCH-40	50 (185.5)	7 3/4"	27" (68.6 cm)	27 1/2" (69.9 cm)	8 1/16" (20.5 cm)	3 3/16" 8.4 cm)	2 1/2" (6.4 cm)
SJCH-90	100 (371.10)	7 3/4"	37" (94.0 cm)	37 1/2" (85.3 cm)	8 1/16" (20.5 cm)	3 3/16" 8.4 cm)	2 1/2" (6.4 cm)
SJCH-170	150 (594.3)	7 3/4"	47" (119.4 cm)	47 1/2" (120.7 cm)	8 1/16" (20.5 cm)	3 3/16" 8.4 cm)	2 1/2" (6.4 cm)

Dimensions



Ordering Guide (Example: SJCH170C-316-2MNPT-ML-B)

MODEL	CARTRIDGE SERIES	CLOSURE STYLE	MATERIAL	CONNECTION SIZE	CONNECTION TYPE	OPTIONS	GASKET
SJCH	40 = 40 Series 70 = 70 Series 170 = 170 Series	C = V Band Clamp SB = Swing Bolt	304 = 304L 316 = 316L	2 (standard) 1.5	MNPT = Male Pipe Thread (standard)* FMPT = Female Couplings* BSPT = BSP Tapered* BSPP = BSP Parallel* F = Flange TC = Ferrules GF = Grooved Fittings	ML = Mounting Legs (standard) OL = Heavy Duty Legs GP = Gauge Ports GPA = Gauge ports with Gauges EP = Electropolished GB = Glass Bead P = Passivate	B = Buna N (standard) E = EPR S = Silicone V = Viton TS = Teflon Encapsulated Silicone

* MNPT fittings are available in 1.5 and 2 inches. FMPT, BSPT and BSPP are only available in 2" connection size.

Customization

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FOS, FOSBN and FOC Series

Single Cartridge Filter Housings with Bolt & Nut Closure for Liquids



- Designed for industrial and commercial filter applications
- Heavy duty construction for maximum durability
- Various materials of construction for wide range of process requirements
 - 304L or 316L stainless steel
 - Brass nickel plated head with 304L SS body
 - Cast Iron Head with a steel body
- Accepts Double Open-End (DOE) cartridges
- Available with 1/4", 3/8", 1/2", 3/4", and 1" connections.
- Numerous gasket options for compatibility with most fluids
- Bolt-nut-closure design for quick cartridge change outs (T-handle optional)
- In line connections for easy installation
- Knife edge seals at both end of cartridge housing eliminate potential bypass.

Applications

Water	Desalination
Chemicals	Food & Beverage
Electronics	Oil / Gas
Power	Inks / Paints / Coatings
Coolants	Pulp & Paper

Specifications & Operating Parameters

Maximum Operating Pressure

250 psig (17 bar) @ 275°F (135°C)

Connections

Inlet /Outlet: 1/2", 3/4" or 1" FNPT

1/4" and 3/8" only available for FOC Series

Optional: BSPT, BSPP, RF Flanges, Sanitary Ferrules or Grooved Fittings

Drain Port: 1/8" NPT (1/4" for FO-38 models)

Gaskets

Buna

Optional: EPR, Silicone, Viton, Teflon, Neoprene, Vellumoid

Materials of Construction

Head / Shell: FOS - 304L or 316L Stainless Steel

FOSBN - Brass nickel plated / 304L Stainless Steel

FOC - Cast iron head / carbon steel

Drain: FOS - Stainless Steel Plug

FOSBN - Brass Petcock

FOC - Brass Petcock

Options

- Vent Port with Vent Screw
- Gauge Ports
- Bracket Kit
- Variable Spring Load Seal
- Tee Handle

See Ordering Guide for complete selection of options

RH Series

Single Cartridge Filter Housings with Ring Nut Closure



- Designed for industrial and commercial filter applications
- Heavy duty construction for maximum durability
- Various materials of construction for a wide range of process requirements
 - 316L stainless steel
 - Brass head with 304L Stainless Steel body
- Accepts Double Open End (DOE) and Single Open End (SOE) 213 Internal O-ring
- Available with 1/2", 3/4" and 1" in-line connections for easy installation.
- Ring nut closure for quick cartridge change outs
- Spring loaded knife edge seal provides positive sealing for variable length cartridges
- Supplied with mounting bracket kit and wrench
- Numerous gasket options for compatibility with most fluids

Applications

Water	Chemicals
Food & Beverage	Electronics
Oil	Inks / Paints / Coatings
Coolants	Pulp & Paper

Specifications & Operating Parameters

Maximum Operating Pressure

300 psig (20.7 bar) @ 200°F (93°C)

Connections

Inlet /Outlet: 1/2", 3/4" or 1" FNPT

Optional: BSPT, BSPP, Sanitary Ferrules

Drain: RHS - 1/4" NPT Plug

RHB - 1/4" NPT Petcock

Materials of Construction

Head / Shell: RHS 316L SS / 316L SS

RHB Brass / 304L Stainless Steel

Drain: RHS - 316L SS Plug

RHB - Brass Petcock

Ring: RHS -Nickel Plated Brass

RHB - Brass

Gaskets

Buna N (FDA Grade)

Optional: EPR, Silicone, Viton

Cartridge Type

DOE and SOE 213 Internal O-ring

Custom Options

- Gauge Ports

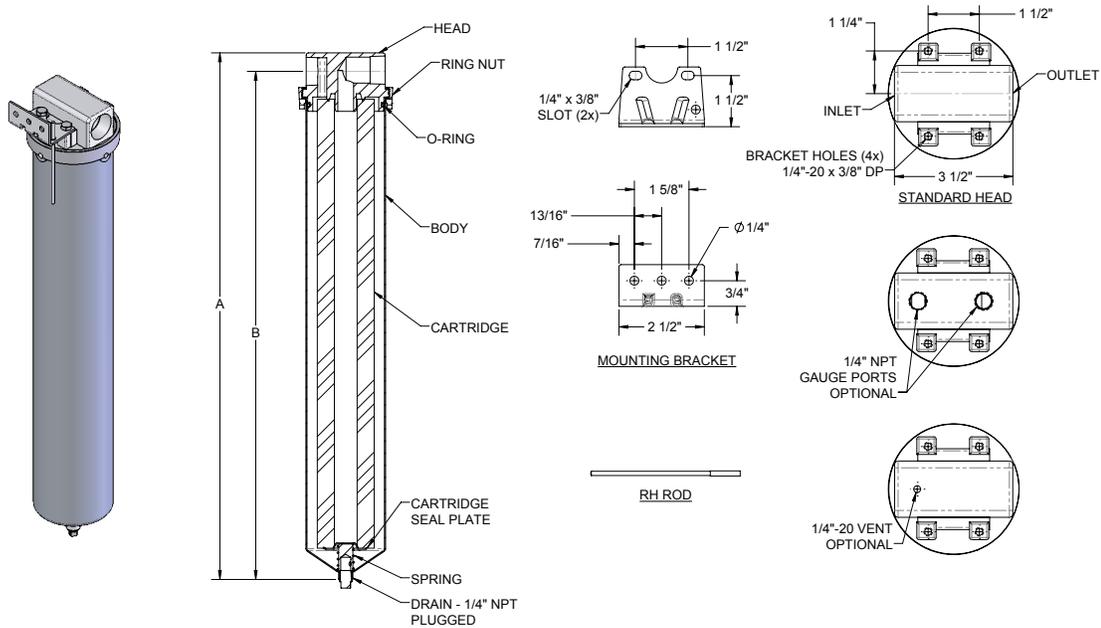
- Vent Port with Vent Screw

See Ordering Guide for complete selection of options

MODEL	QUANTITY (LENGTH) OF CARTRIDGES	MAXIMUM FLOW RATE* GPM (LPM)	MAXIMUM DIAMETER CARTRIDGE	DRAIN SIZE	DIMENSIONS	
					A	B
RH-39	1 (4 7/8 - 5")	3 1/2 (13.3)	2 3/4"	1/4"	8 9/16" (21.7 cm)	7 3/4" (19.7 cm)
RH-78	1 (9 3/4 - 10")	7 (26.5)	2 3/4"	1/4"	13 9/16" (34.4 cm)	12 3/4" (32.4 cm)
RH-80	1 (19 1/2 - 20")	14 (53)	2 3/4"	1/4"	23 9/16" (59.8 cm)	22 3/4" (57.8 cm)
RH-90	1 (30")	21(79.5)	2 3/4"	1/4"	33 9/16" (85.2 cm)	32 3/4" (83.2 cm)

* Based upon 7 gpm (26.5 lpm) per 10" cartridge length with a 25 micron wound cartridge at 2 PSID clean and a viscosity of 1 cps. Flow rates are guidelines only. Actual flow rates are based upon fluid, viscosity, cartridge type, micron ratings and other factors

Dimensions



Ordering Guide (Example: RHS-786A-E)

RH	S	-	78	6A	-	-	B
MODEL	MATERIAL		CARTRIDGE LENGTH	PIPE SIZE FNPT		OPTIONS	GASKET
RH	S = 316L Stainless Steel with Stainless Steel Plug B = Brass Head with 304L Stainless Steel Sump and Nickel Plated Brass Ring Nut and Brass Petcock		39 = 4 7/8-5" 78 = 9 3/4-10" 80 = 19 1/2-20" 90 = 29 1/2 -30"	4 = 1/2" 6 = 3/4" 8 = 1"		Blank = None BSP = BSP thread 1TC = 1" Ferrules 150 psi GP4 = 1/4" Gauge Ports Vent = Vent Screw	B = Buna N (Standard) E = EPR S = Silicone V = Viton

Customization

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MicroSentry™ MB Series

Melt Blown Filter Cartridges



- Thermally bonded microfibers for economical and efficient filtration
- 100% Polypropylene construction provides for wide range of chemical compatibilities
- Graded density pore structure provides true depth style filtration for higher dirt holding capacity
- Fixed pore construction prevents unloading under higher differential pressure
- No additives or surfactants that may cause foaming or other undesirable effects
- Available in standard 2 1/2" and 4 1/2" (BB Style) diameter configurations

Applications

RO Prefilters	Potable Water
Water & Wastewater	Plating Solutions
Food & Beverages	Chemicals
Microelectronics	Photographic Solutions

Specifications & Operating Parameters

Pore Sizes

1, 3, 5, 10, 20, 30, 50, 75, 100 microns

Nominal Lengths

4 7/8", 10" (9 7/8"), 20", 30", 40"

Materials of Construction

Filter Media: Polypropylene

End caps: Thermally Bonded Polypropylene

Gaskets/O-rings

Buna N, EPR, Silicone, Viton (O-rings) and

Santoprene (Polyethylene direct bond gaskets)

Maximum Temperature

140°F (60°C)

Recommended Change-out Differential Pressure

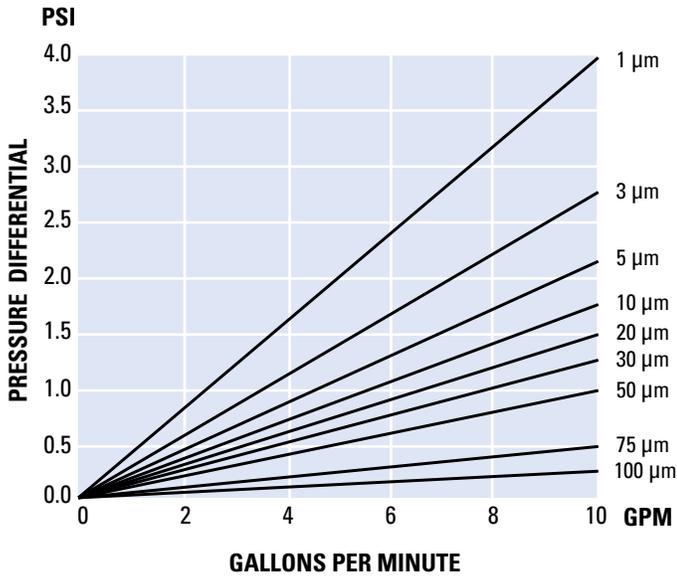
20 psid (1.4 bar)

FDA Compliance

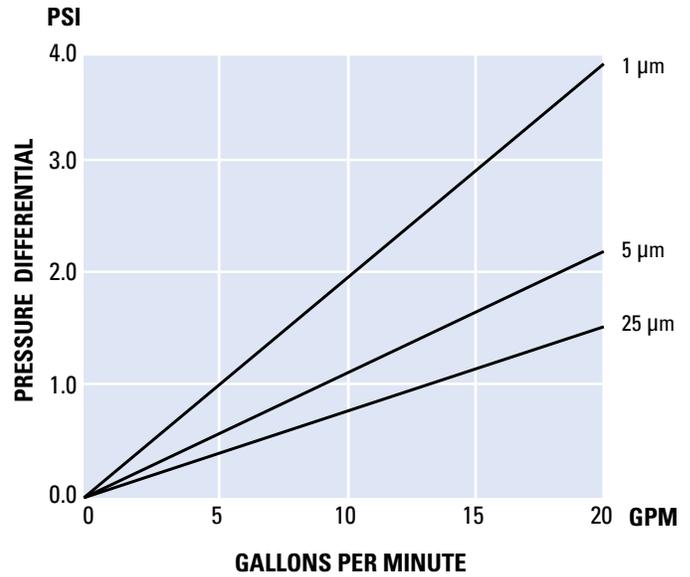
Manufactured of pure polypropylene materials with no additives or other manufacturing agents. All materials used in the production of these cartridges meet the requirements of FDA Title 21 of The Code of Federal Regulations 174.5 and 177.1520.

Flow vs. Pressure Drop

2.5" OD Cartridges



4.5" OD Cartridges



This chart represents the typical flow rate per 10" cartridge length. The test fluid is water at ambient temperature. Extrapolations for multiple lengths tend to be linear, but as flows increase the differential pressure across the housing becomes more apparent.

Ordering Guide (Example: MB5-10)

MB 5 - 10					
PRODUCT CODE	MICRON	LENGTH	END CAP CONFIGURATION	GASKET / O-RING	DIAMETER
MB	1 3 5 10 20 25* 30 50 75 100	5 = 4 7/8" 10 = 9 7/8" 20 = 20" 30 = 30" 40 = 40"	Blank = DOE EXP = PP Core Extender S3 = 222 w/ Fin End S4 = 222 w/ Flat End S5 = 226 w/ Fin End S6 = 226 w/ Flat End S7 = Internal O-ring with Recessed Plug S8 = SOE w/Spring S12 = 222 w/ spring F = Fin End Only FL = Flat End Only	Blank = None B = Buna N E = EPR S = Silicone V = Viton PG = Polyethylene Gaskets (Santoprene)	Blank = 2.5" BB = 4.5" (Available only without end caps)

* 25 micron only available in BB (4.5") diameter

Filter Housings

Shelco manufactures a full line of filter housings. From our rugged single cartridge housings to our heavy duty multi-cartridge housings and bag filter housings, Shelco is the perfect choice for your filtration solutions.



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MicroSentry™ MS Series

Wound Filter Cartridges



- Precision winding patterns ensure accurate filtration ratings and high retention efficiencies
- State-of-the-art computerized production machinery eliminates product variability
- Various fibers and core materials for compatibility with a broad range of chemicals and high temperature applications
- Suitable for filtration of liquids, compressed air and gases
- Cost-effective and proven versus melt blown, spun-bond and resin-bonded cartridges
- Available in standard 2 1/2" and 4 1/2" (BB Style) cartridge diameter configurations and other

Applications

Oils	Air / Gas
Petrochemicals	Photo Solutions
Magnetic Coatings	Process Water
Food & Beverage	Solvents
Pre-filtration	Paint / Inks
Water & Wastewater	Chemicals

Specifications & Operating Parameters

Pore Sizes 0.5, 1, 3, 5, 10, 20, 25, 30, 50, 75, 100, 150 microns

Nominal Lengths 4 3/4", 4 7/8", 9 3/4", 9 7/8", 10", 19 1/2", 20", 29 1/4", 30", 39", 40"

Outside Diameters 2", 2 3/8", 2 1/2", 2 3/4", 4 1/2"

Inside Diameter 1"

Materials of Construction

Filter Media: Fibrillated Polypropylene, FDA Polypropylene, Industrial Polypropylene, Natural Cotton, FDA Bleached Cotton, Industrial Bleached Cotton, Polyester, Glass Fiber, Nylon, Rayon

Core: Polypropylene, 304 Stainless Steel, 316 Stainless Steel, Tin Steel

Maximum Operating Temperature

Material	Polypropylene Core	Metal Core
Cotton	140°F (60°C)	250°F (121°C)
Glass	140°F (60°C)	750°F (402°C)
Nylon	140°F (60°C)	275°F (135°C)
Polypropylene	140°F (60°C)	180°F (82°C)
Polyester	140°F (60°C)	275°F (135°C)
Rayon	140°F (60°C)	275°F (135°C)

Recommended Change-out Differential Pressure

20 psid (1.4 bar)

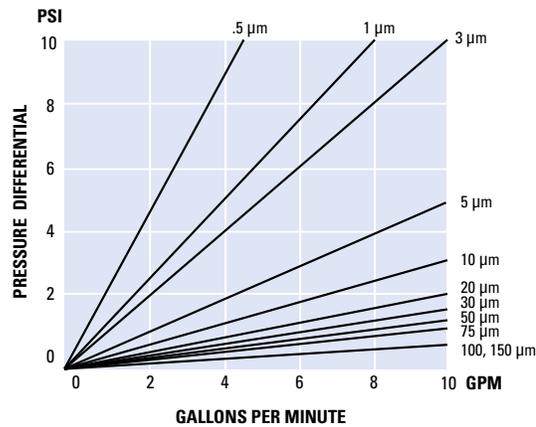
FDA and USP Compliance

FDA Bleached Cotton and FDA Polypropylene filters are manufactured of materials that comply with FDA requirements for food contact per CFR Title 21

FILTER MEDIUM	FDA COTTON	COTTON	FDA POLYPROPYLENE	INDUSTRIAL POLYPROPYLENE	RAYON	POLYESTER	GLASS FIBER	NYLON
Compatible with								
Potable liquids, water	4	0	4	0	3	3	1	1
Organic Solvents	4	4	3	3	4	4	4	4
Oils	4	4	2	2	4	3	4	4
Organic Acids	3	3	4	4	3	3	4	2
Alkalies	3	3	4	4	3	0	1	4
Oxidizing Acids	2	2	1	1	2	3	4	2
Strong Inorganic Acids	0	0	4	4	1	2	4	0
Dilute Inorganic Acids	2	2	4	4	2	3	4	1

0 = Not Recommended, 1 = Poor, 2 = Fair, 3 = Good, 4 = Excellent

Flow vs. Pressure Drop



This chart represents the typical flow rate of polypropylene media per 10" cartridge length. The test fluid is water at ambient temperature. Extrapolations for multiple lengths tend to be linear, but as flows increase the differential pressure across the housing becomes more apparent.

Ordering Guide (Example: MS10FP5)

MS	10	F	P	5			
PRODUCT CODE	LENGTH	MEDIA	CORE	MICRON	CORE COVER	DIAMETER	END CAP CONFIGURATION
MS	47 = 4 3/4" 5 = 4 7/8" 97 = 9 3/4" 98 = 9 7/8" 10 = 10" 195 = 19.5" 20 = 20" 294 = 29.25" 30 = 30" 40 = 40"	B = Fibrillated Polypropylene C = FDA Bleached Cotton E = Polyester F = FDA Polypropylene G = Glass Fiber N = Nylon P = Industrial Polypropylene R = Rayon U = Natural Cotton W = Industrial Bleached Cotton	P = Polypropylene S = 304 Stainless Steel G = 316 Stainless Steel T = Tin Steel	0.5 1 3 5 10 20 25 30 50 75 100 150	Blank = None N = Non Woven W = Woven	Blank = 2.5" 45 = 4.5"+ 2 = 2" 3 = 2 3/8" 4 = 2 3/4"	Blank = None S1 = DOE w/ Gasket S3 = 222 w/ Fin End S4 = 222 w/ Flat End S5 = 226 w/ Fin End S6 = 226 w/ Flat End S8 = SOE w/Spring S12 = 222 w/ spring F = Fin End Only FL = Flat End Only EXP = PP Extended Core EXS = SS Extended Core

+ Available without end cap

Filter Housings

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MicroSentry™ SS Series

Stainless Steel Filter Cartridges



- Ideal for high temperature applications up to 500°F (260°C) and high differential pressures up to 60 PSID
- 304L and 316L Stainless Steel construction for compatibility with a wide range of fluids
- 2 through 840 microns ratings for broad range of uses from fine filtration to straining
- Available in cylindrical and pleated configurations for cost effective and extra service life requirements
- Cleanable and reusable
- All welded construction provides highest mechanical strength cartridges
- End cap configurations available in DOE, 222/Flat, 226/Flat, 1" MNPT or 1" FNPT fittings

Applications

High Temperature	High Differential Pressures
Viscous Fluids	Corrosive Liquids and Gases
Caustic Fluids	Plating Solutions
Straining	Hydraulic Oils
Petrochemicals	Photo Solutions
Magnetic Coatings	Process Water
Wastewater	Chemical Solutions

Specifications & Operating Parameters

Pore Sizes

2, 5, 10, 20, 40, 75, 100, 120, 150, 190, 230, 280, 370, 540, 840 microns

Nominal Lengths

4 7/8", 9 3/4", 9 7/8", 10", 19 1/2", 20", 29 1/4", 30", 40"

Diameters:

Outside 2 1/2" (Cylindrical), 2 5/8" (Pleated)
Inside 1 1/16"

Gaskets/ O-rings

Buna, EPR, Teflon, Viton

Materials of Construction

304L or 316L Stainless Steel

Maximum Temperature

500°F (260°C)

Maximum Change-out Differential Pressure

60 psid (4.2 bar)

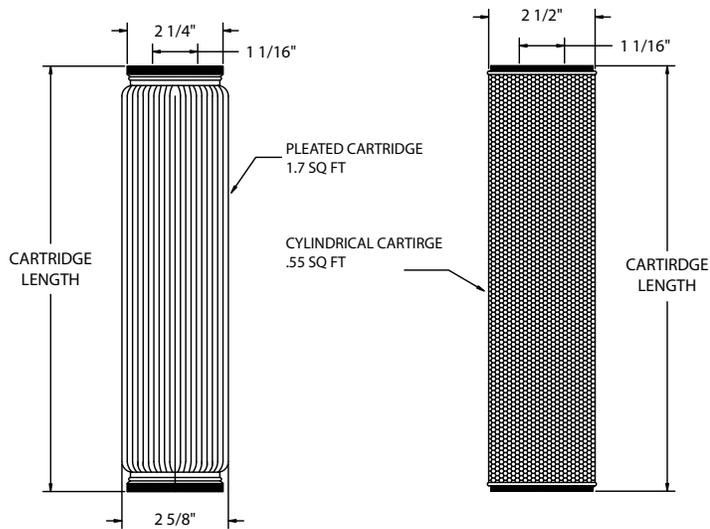
End Cap Configurations

DOE, 222/flat, 226/flat, 1" MNPT, 1" FNPT

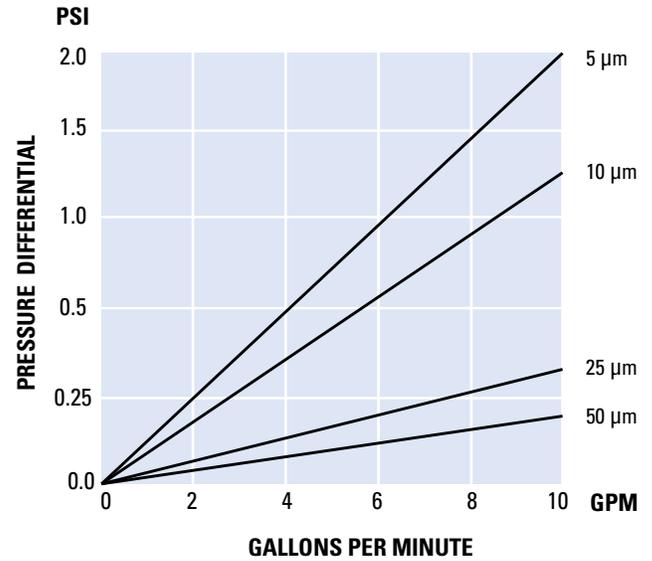
Options

Pleat protector to prevent denting and damage to surface
Heavy duty core (300 psi)

Dimensions



Flow vs. Pressure Drop



Flow rates exceeding 7-8 GPM per 10" length are not recommended for 50 microns or below for maximum service life. This chart represents the typical flow rate per 10" cartridge length. The test fluid is water at ambient temperature. Extrapolations for multiple lengths tend to be linear, but as flows increase the differential pressure across the housing becomes more apparent.

Ordering Guide (Example: SS975-75PS1E-PL-316)

SS	975	-	75	P	S1	E	-	PL	-	316
PRODUCT CODE	LENGTH		MICRON	STYLE	END CAP CONFIGURATION	GASKET / O-RING		OPTIONS		MATERIAL
SS	5 = 4 7/8" 975 = 9 3/4" 978 = 9 7/8" 10 = 10" 195 = 19.5" 20 = 20" 295 = 29.25" 30 = 30" 40 = 40"		2 5 10 20 40 75 100 120 150 190 230 280 370 540 840	C = Cylindrical P = Pleated	S1 = DOE S4 = 222 w/ Flat End S6 = 226 w/ Flat End 1M = 1" MNPT 1F = 1" FNPT	B = Buna E = EPR T = Teflon V = Viton		Blank = None PL = Pleat Protector HD = Heavy Duty Core (300 psi)		304 = 304L 316 = 316L

Filter Housings

Shelco manufactures a full line of filter housings. From our rugged single cartridge housings to our heavy duty multi-cartridge housings and bag filter housings, Shelco is the perfect choice for your filtration solutions.



Shelco Filters

100 Bradley Street
Middletown, CT 06457 USA

Tel: 800-543-5843 / Fax: 860-854-6120 / E-mail: info@shelco.com

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MicroSentry™ SCB Series

Carbon Block Filter Cartridges



- Extruded activated carbon block filter
- High adsorptive capacity – effectively reduces chlorine and organic chemicals that contribute to undesirable tastes and odors
- 5 micron filtration - high retention efficiency
- Minimal release of carbon fines
- No channeling, no fluidizing or bypass
- Competitively priced versus Granular Activated Carbon cartridges (GAC)
- Performance tested and verified by independent laboratory
- Available in standard 2 3/4" and 4 1/4" (BB Style) diameter configurations

Applications

RO Prefilters	Potable Water
Water & Wastewater	Plating Solutions
Food & Beverages	Chemicals
Chlorine Removal	Color Removal

Specifications & Operating Parameters

Pore Sizes

5 micron

Nominal Lengths

2.7" diameter - 9 3/4", 20", 30", 40"

4.25" diameter - 9 3/4", 20"

Materials of Construction

Filter Media: Powdered Activated Carbon

Outer Wrap: Melt Blown Polypropylene

End Cap/Netting: Polypropylene

End Cap Adhesive: Low Density Polyethylene

Gaskets

Santoprene (Polyethylene direct bond gaskets)

Maximum Temperature

125°F (52°C)

Recommended Flush Procedure

Filters should be flushed for 5 minutes prior to use

Maximum Operating Pressure

250 psi (17.2 bar)

Maximum Differential Pressure

100 psid (6.9 bar)

Recommended Change-out Differential Pressure

20 psid (1.4 bar)

FDA Compliance

Manufactured of FDA compliant materials with no additives or other manufacturing agents.

MODEL	O.D x LENGTH	FILTER WEIGHT	CHLORINE CAPACITY @ FLOW	µm RATING	INITIAL ΔP @ FLOW
SCB-975	2.70" X 9.75"	0.75 lb	>6,000 gal @ 1.0 GPM	5 µm	2.0 psid @ 1.0 GPM
SCB-20	2.70" x 20"	1.75 lb	>12,000 gal @ 2.0 GPM	5 µm	2.0 psid @ 2.0 GPM
SCB-975-BB	4.25" x 9.75"	2.60 lb	>12,000 gal @ 3.0 GPM	5 µm	4.0 psid @ 3.5 GPM
SCB-20-BB	4.25" x 20"	5.60 lb	>26,000 gal @ 7.0 GPM	5 µm	4.5 psid @ 7.0 GPM

Notes:

1. Projected chlorine, taste and odor reduction capacity when tested is accordance with NSF/ANSI standard 40 protocol.
2. Nominal particulate rating (5µm) is for 85% of a given size as determined from single pass particle counting results.
3. Service life of SCB cartridge is greatly extended by use of a prefiltration medium.

Ordering Guide (Example: SCB-20)

MODEL	LENGTH	DIAMETER
SCB	5 = 4 7/8" 975 = 9 3/4" 20 = 20" 30 = 30" 40 = 40"	Blank = 2.7" BB = 4.5"

Filter Housings

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MicroVantage™ MDP Series

Absolute-Rated (99.98%) High Performance Pleated Polypropylene Filter Cartridges

MicroVantage Ultra Premium Filter Series



- Absolute-Rated Beta 5000 (99.98%) retention efficiency
- 7.0 square feet (0.65 m²) of media surface area per 10" length
 - Maximum throughput and particle retention
 - Longer service life reduces maintenance costs
- 100% polypropylene construction offers wide range of chemical compatibility
- Rigid, molded cage provides greater structural integrity
- Gradient, fixed pore structure increases dirt-holding capacity and resists unloading under high differential pressure
- Manufactured in state-of-the-art white room for high purity
- Complies with Food & Drug Administration's CFR criteria for food & beverage contact
- Meets USP Class VI Biological Test for plastics
- Various end cap configurations available to fit existing housings
- Produced in 10" segments for maximum strength and pleat protection
- Optional preflushed cartridges available for electronic and pharmaceutical applications

Applications

RO Prefilters	Food & Beverage
Process Water	Bottled Water
Plating Solutions	Microelectronics
Chemicals	Paint/Inks

Specifications & Operating Parameters

Pore Sizes 0.2, 0.45, 1.0, 3.0, 5.0, 10.0, 20.0, 30.0, 40.0, 50.0 microns

Nominal Lengths 9.75" (24.7 cm), 10" (25.4 cm), 20" (50.8 cm), 30" (76.2 cm), 40" (101.6 cm)

Outside Diameter 2.67" (6.78 cm)

Inside Diameter 1.0" (2.54 cm)

Media Surface Area 7.0 sq. ft. (0.65 m²) per ten inches in length

Gaskets/O-rings

Silicone, Buna N, EPR, Viton, Teflon Encapsulated
Viton (o-rings only)

Materials of Construction

Filter Media: Polypropylene
Outer Cage / Core / End Caps: Polypropylene

Maximum Operating Temperature 176°F (80°C)

Recommended Change-out Differential Pressure
35 psid (2.4 bar)

Maximum Differential (Collapse) Pressure
75 psid @ 70°F (5.2 bar @21°C), 40 psid @176°F (2.8 bar @ 80°C)

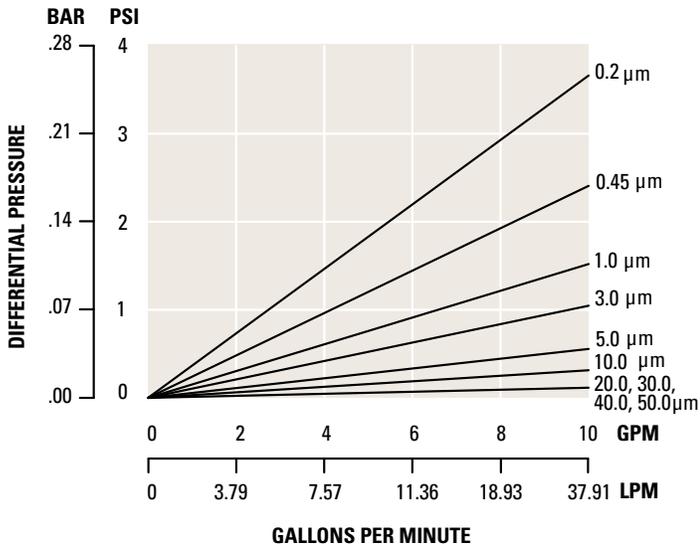
Sanitization and Sterilization

Hot water at 175°F (80°C) at 5 psid for 30 minutes
In-line steam at 257°F (125°C) @ 1 psid (0.07 bar) for 30 minutes
Autoclavable at 257°F (125°C) for 30 minutes

FDA and USP Compliance

All filters are manufactured of virgin polypropylene materials. All materials comply with FDA requirements for food contact per CFR Title 21 174.5, 177.1520 and 177.1630. All Components meet USP Class VI Plastics biological reactivity tests.

Flow vs. Pressure Drop



This chart represents typical water flow per 10" cartridge length. The test fluid is water at ambient temperature. Extrapolation for multiple elements tends to be linear, but as flows increase the ΔP of the housing becomes more apparent

Filter Removal Efficiency

PORE SIZE	BETA 5000 99.98%	BETA 100 99%	BETA 50 98%
0.2 micron	0.20	0.10	0.05
0.45 micron	0.45	0.30	0.20
1.0 micron	1.0	0.65	0.35
3.0 micron	3.0	2.5	2.0
5.0 micron	5.0	4.0	3.0
10.0 micron	10.0	8.0	7.0
20.0 micron	20.0	17.0	15.0
30.0 micron	30.0	26.0	21.0
40.0 micron	40.0	34.0	28.0
50.0 micron	50.0	42.0	36.0

Ordering Guide (Example: MDP1.0-10S3E)

MDP	1.0	10	–	S3	–	E	–
PRODUCT CODE	MICRON	LENGTH	END CAP CONFIGURATION		GASKET / O-RING		OPTION
MDP	0.2 0.45 1.0 3.0 5.0 10.0 20.0 30.0 40.0 50.0	9.75" 10" 20" 30" 40"	S1 = DOE S3 = 222 w/ Fin End S4 = 222 w/ Flat End S5 = 226 w/ Fin End S6 = 226 w/ Flat End S7 = Internal O-ring with Recessed Plug S9 = Internal O-ring on both ends		B = Buna N E = EPDM S = Silicone V = Viton T = Teflon encapsulated Viton (O-ring only)		F = Flushed with 18megohm DI water (Constructed with 10" modules)

Filter Housings

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MicroVantage™ MPX Series

Absolute-Rated (99.98%) High Performance Pleated Polypropylene Filter Cartridges

MicroVantage Ultra Premium Filter Series



- Absolute-Rated Beta 5000 (99.98%) retention efficiency
- 7.0 square feet (0.65 m²) of media surface area per 10" length
 - Maximum throughput and particle retention
 - Longer service life reduces maintenance costs
- 100% polypropylene construction offers wide range of chemical compatibility
- Rigid, molded cage provides greater structural integrity
- Gradient, fixed pore structure increases dirt-holding capacity and resists unloading under high differential pressure
- Manufactured in state-of-the-art white room for high purity
- Complies with Food & Drug Administration's CFR criteria for food & beverage contact
- Meets USP Class VI Biological Test for plastics
- Various end cap configurations available to fit existing housings
- Produced in continuous lengths up to 40 inches
- Optional preflushed cartridges available for electronic and pharmaceutical applications

Applications

RO Prefilters	Food & Beverage
Process Water	Bottled Water
Plating Solutions	Microelectronics
Chemicals	Paint/Inks
Water & Wastewater	Cosmetics

Specifications & Operating Parameters

Pore Sizes 0.2, 0.45, 1.0, 3.0, 5.0, 10.0, 20.0, 30.0, 40.0, 50.0 microns

Nominal Lengths 9.75" (24.7 cm), 10" (25.4 cm), 20" (50.8 cm), 30" (76.2 cm), 40" (101.6 cm)

Outside Diameter 2.67" (6.78 cm)

Inside Diameter 1.0" (2.54 cm)

Media Surface Area 7.0 sq. ft. (0.65 m²) per ten inches in length

Gaskets/O-rings

Silicone, Buna N, EPR, Viton, Teflon Encapsulated Viton (o-rings only)

Materials of Construction

Filter Media: Polypropylene
Outer Cage / Core / End Caps: Polypropylene

Maximum Operating Temperature 176F (80C)

Recommended Change-out Differential Pressure 35 psid (2.4 bar)

Maximum Differential (Collapse) Pressure

75 psid @ 70°F (5.2 bar @21°C), 40 psid @176°F (2.8 bar @ 80°C)

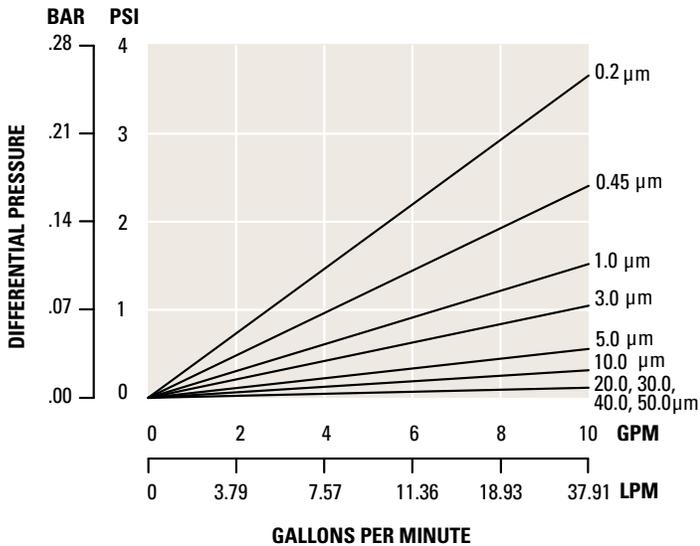
Sanitization and Sterilization

Hot water at 175°F (80°C) at 5 psid for 30 minutes
In-line steam at 257°F (125°C) @ 1 psid (0.07 bar) for 30 minutes
Autoclavable at 257°F (125°C) for 30 minutes

FDA and USP Compliance

All filters are manufactured of virgin polypropylene materials. All materials comply with FDA requirements for food contact per CFR Title 21 174.5, 177.1520 and 177.1630. All Components meet USP Class VI Plastics biological reactivity tests.

Flow vs. Pressure Drop



This chart represents typical water flow per 10" cartridge length. The test fluid is water at ambient temperature. Extrapolation for multiple elements tends to be linear, but as flows increase the ΔP of the housing becomes more apparent

Filter Removal Efficiency

PORE SIZE	BETA 5000 99.98%	BETA 100 99%	BETA 50 98%
0.2 micron	0.20	0.10	0.05
0.45 micron	0.45	0.30	0.20
1.0 micron	1.0	0.65	0.35
3.0 micron	3.0	2.5	2.0
5.0 micron	5.0	4.0	3.0
10.0 micron	10.0	8.0	7.0
20.0 micron	20.0	17.0	15.0
30.0 micron	30.0	26.0	21.0
40.0 micron	40.0	34.0	28.0
50.0 micron	50.0	42.0	36.0

Ordering Guide (Example: MPX1.0-10S3E)

MPX	1.0	10	–	S3	–	E	–
PRODUCT CODE	MICRON	LENGTH	END CAP CONFIGURATION		GASKET / O-RING		OPTION
MPX	0.2 0.45 1.0 3.0 5.0 10.0 20.0 30.0 40.0 50.0	9.75" 10" 20" 30" 40"	S1 = DOE S3 = 222 w/ Fin End S4 = 222 w/ Flat End S5 = 226 w/ Fin End S6 = 226 w/ Flat End S7 = Internal O-ring with Recessed Plug S9 = Internal O-ring on both ends		B = Buna N E = EPDM S = Silicone V = Viton T = Teflon encapsulated Viton (O-ring only)		F = Flushed with 18megohm DI water (Constructed with 10" modules)

Filter Housings

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MicroVantage™ MPA Series

Absolute-Rated (99.98%) Pleated Polypropylene Filter Cartridges

MicroVantage Ultra Premium Filter Series



- Absolute-Rated Beta 5000 (99.98%) retention efficiency
- 5.6 square feet (0.52 m²) of media surface area per 10" length
 - High throughput and particle retention
 - Optimal performance and value
- 100% polypropylene construction offers wide range of chemical compatibility
- Rigid, molded cage provides greater structural integrity
- Gradient, fixed pore structure increases dirt-holding capacity and resists unloading under high differential pressure
- Manufactured in state-of-the-art white room for high purity
- Complies with Food & Drug Administration's CFR criteria for food & beverage contact
- Meets USP Class VI Biological Test for plastics
- Various end cap configurations available to fit existing housings
- Produced in continuous lengths up to 40 inches

Applications

RO Prefilters	Food & Beverage
Process Water	Bottled Water
Plating Solutions	Microelectronics
Chemicals	Paint/Inks
Water & Wastewater	Cosmetics

Specifications & Operating Parameters

Pore Sizes 0.2, 0.45, 1.0, 3.0, 5.0, 10.0, 20.0, 30.0, 40.0, 50.0 microns

Nominal Lengths 9.75" (24.7 cm), 10" (25.4 cm), 20" (50.8 cm), 30" (76.2 cm), 40" (101.6 cm)

Outside Diameter 2.67" (6.78 cm)

Inside Diameter 1.0" (2.54 cm)

Media Surface Area 5.6 sq. ft. (0.52 m²) per ten inches in length

Gaskets/O-rings

Silicone, Buna N, EPR, Viton, Teflon Encapsulated Viton (o-rings only)

Materials of Construction

Filter Media: Polypropylene
Outer Cage / Core / End Caps: Polypropylene

Maximum Operating Temperature 176°F (80°C)

Recommended Change-out Differential Pressure
35 psid (2.4 bar)

Maximum Differential (Collapse) Pressure
75 psid @ 70°F (5.2 bar @21°C), 40 psid @176°F (2.8 bar @ 80° C)

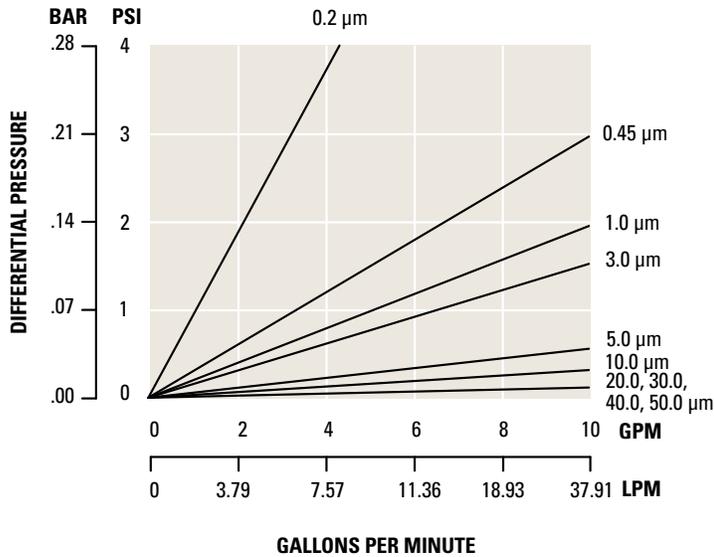
Sanitization and Sterilization

Hot water at 175°F (80°C) at 5 psid for 30 minutes
In-line steam at 257°F (125°C) @ 1 psid (0.07 bar) for 30 minutes
Autoclavable at 257°F (125°C) for 30 minutes

FDA and USP Compliance

All filters are manufactured of virgin polypropylene materials. All materials comply with FDA requirements for food contact per CFR Title 21 174.5, 177.1520 and 177.1630. All Components meet USP Class VI Plastics biological reactivity tests.

Flow vs. Pressure Drop



Filter Removal Efficiency

MICRON	BETA 5000 99.98%	BETA 100 99%	BETA 50 98%
0.2 micron	0.20	0.10	0.05
0.45 micron	0.45	0.30	0.20
1.0 micron	1.0	0.65	0.35
3.0 micron	3.0	2.5	2.0
5.0 micron	5.0	4.0	3.0
10.0 micron	10.0	8.0	7.0
20.0 micron	20.0	17.0	15.0
30.0 micron	30.0	26.0	21.0
40.0 micron	40.0	34.0	28.0
50.0 micron	50.0	42.0	36.0

This chart represents typical water flow per 10" cartridge length. The test fluid is water at ambient temperature. Extrapolation for multiple elements tends to be linear, but as flows increase the ΔP of the housing becomes more apparent

Ordering Guide (Example: MPA0.2-10S4E)

MPA	0.2	–	10	S4	E
PRODUCT CODE	MICRON		LENGTH	END CAP CONFIGURATION	GASKET / O-RING
MPA	0.2 0.45 1.0 3.0 5.0 10.0 20.0 30.0 40.0 50.0		9.75" 10" 19.75" 20" 29.25" 30" 40"	S1 = DOE S3 = 222 w/ Fin End S4 = 222 w/ Flat End S5 = 226 w/ Fin End S6 = 226 w/ Flat End S7 = Internal O-ring with Recessed Plug S9 = Internal O-ring on both ends S9 = Internal O-ring on both ends	B = Buna N E = EPDM S = Silicone V = Viton T = Teflon Encapsulated Viton (O-ring only)

Filter Housings

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MicroVantage™ MPN Series

Nominally-Rated (90%) Pleated Polypropylene Filter Cartridges

MicroVantage Ultra Premium Filter Series



- Nominally-Rated Beta 10 (90%) retention efficiency
- 5.6 square feet (0.52 m²) of media surface area per 10" length
 - High throughput and particle retention
 - Optimal performance and value
- 100% polypropylene construction offers wide range of chemical compatibility
- Rigid, molded cage provides greater structural integrity
- Gradient, fixed pore structure increases dirt-holding capacity and resists unloading under high differential pressure
- Manufactured in state-of-the-art white room for high purity
- Complies with Food & Drug Administration's CFR criteria for food & beverage contact
- Meets USP Class VI Biological Test for plastics
- Various end cap configurations available to fit existing housings
- Produced in continuous lengths up to 40 inches

Applications

RO Prefilters	Food & Beverage
Process Water	Bottled Water
Plating Solutions	Microelectronics
Chemicals	Paint/Inks
Water & Wastewater	Cosmetics

Specifications & Operating Parameters

Pore Sizes 0.2, 0.5, 1, 3, 5, 10, 25, 50 microns

Nominal Lengths 9.75" (24.7 cm), 10" (25.4 cm), 20" (50.8 cm), 30" (76.2 cm), 40" (101.6 cm)

Outside Diameter 2.67" (6.78 cm)

Inside Diameter 1.0" (2.54 cm)

Media Surface Area 5.6 sq. ft. (0.52 m²) per ten inches in length

Gaskets/O-rings

Silicone, Buna N, EPR, Viton, Teflon Encapsulated Viton (O-rings only)

Materials of Construction

Filter Media: Polypropylene
Outer Cage / Core / End Caps: Polypropylene

Maximum Operating Temperature 176°F (80°C)

Recommended Change-out Differential Pressure
35 psid (2.4 bar)

Maximum Differential (Collapse) Pressure
75 psid @ 70°F (5.2 bar @21°C), 40 psid @176°F (2.8 bar @ 80°C)

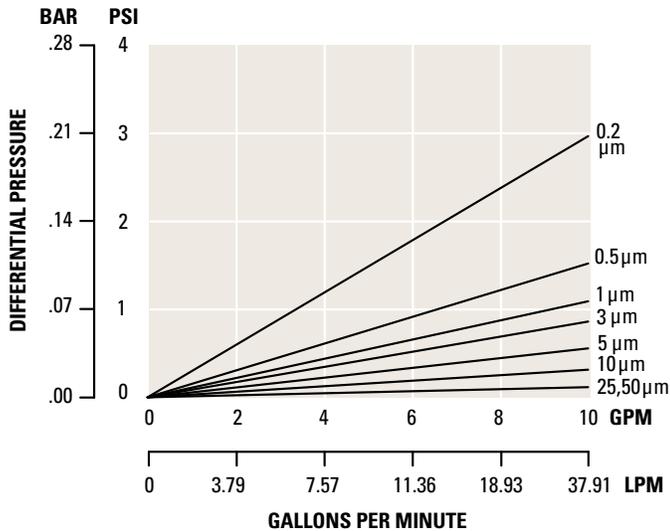
Sanitization and Sterilization

Hot water at 175°F (80°C) at 5 psid for 30 minutes
In-line steam at 257°F (125°C) @ 1 psid (0.07 bar) for 30 minutes
Autoclavable at 257°F (125°C) for 30 minutes

FDA and USP Compliance

All filters are manufactured of virgin polypropylene materials. All materials comply with FDA requirements for food contact per CFR Title 21 174.5, 177.1520 and 177.1630. All Components meet USP Class VI Plastics biological reactivity tests.

Flow vs. Pressure Drop



Filter Removal Efficiency

MICRON	BETA 20 95%	BETA 10 95%
0.2 micron	0.25	0.20
0.5 micron	0.6	0.5
1 micron	1.25	1.0
3 micron	4.0	3.0
5 micron	6.5	5.0
10 micron	12.0	10.0
25 micron	28.0	25.0
50 micron	58.0	50.0

This chart represents typical water flow per 10" cartridge length. The test fluid is water at ambient temperature. Extrapolation for multiple elements tends to be linear, but as flows increase the ΔP of the housing becomes more apparent

Ordering Guide (Example: MPN5-10S1E)

MPN	5	10	S1	E
PRODUCT CODE	MICRON	LENGTH	END CAP CONFIGURATION	GASKET/O-RING
MPN	0.2 0.5 1 3 5 10 25 50	9.75" 10" 20" 30" 40"	S1 = DOE S3 = 222 w/ Fin End S4 = 222 w/ Flat End S5 = 226 w/ Fin End S6 = 226 w/ Flat End S7 = Internal O-ring with Recessed Plug S9 = Internal O-ring on both ends	B = Buna N E = EPDM S = Silicone V = Viton T = Teflon Encapsulated Viton (O-ring only)

Filter Housings

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MicroSentry™ MEE Series

Economical Pleated Filter Cartridges



- High surface area provides greater dirt-holding capacity, lower initial pressure drop and longer change-out intervals
- Constructed of layers of economical polyester and polypropylene blended media, laminated to provide depth filtration
- Best alternative to string wound, resin-bonded or spun cartridges
- No resin binders to break down and contaminate the filtrate
- 100% synthetic fibers with no surfactants that cause foaming
- Available in standard 2 5/8" and 4 1/2" (BB Style) diameter configurations
- Washable and reusable - significantly reduces filtration costs (20 micron and larger)

Applications

RO Prefilters	Food & Beverage
Plating Solutions	Microelectronics
Electronics	Oil / Gas
Chemicals	Paint/Inks
Water & Wastewater	Cosmetics

Specifications & Operating Parameters

Pore Sizes

0.35, 1A, 1, 5, 10, 20, 50 microns

Nominal Lengths

9.75", 10", 19.5", 20", 29.25", 30", 40"

Materials of Construction

Filter Media: Polyester / Polypropylene blend

Core: Polypropylene

End caps: Plastisol

Maximum Temperature

140°F (60°C)

Recommended Change-out Differential Pressure

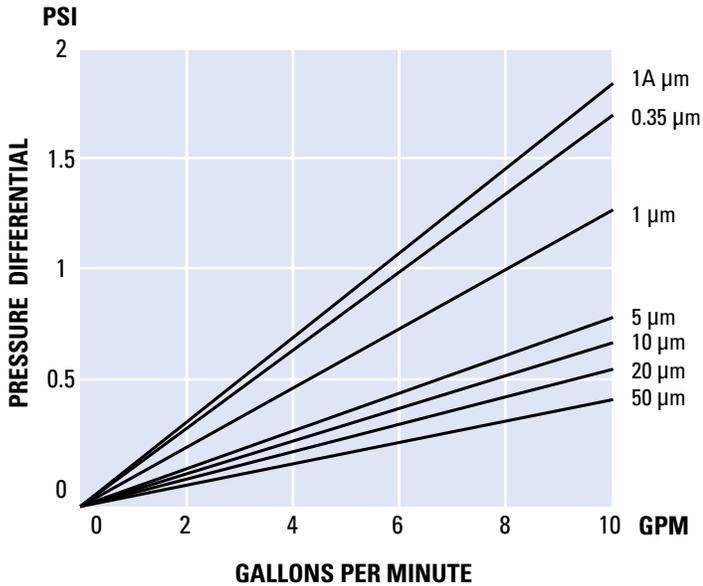
20 psid (1.4 bar)

FDA Compliance

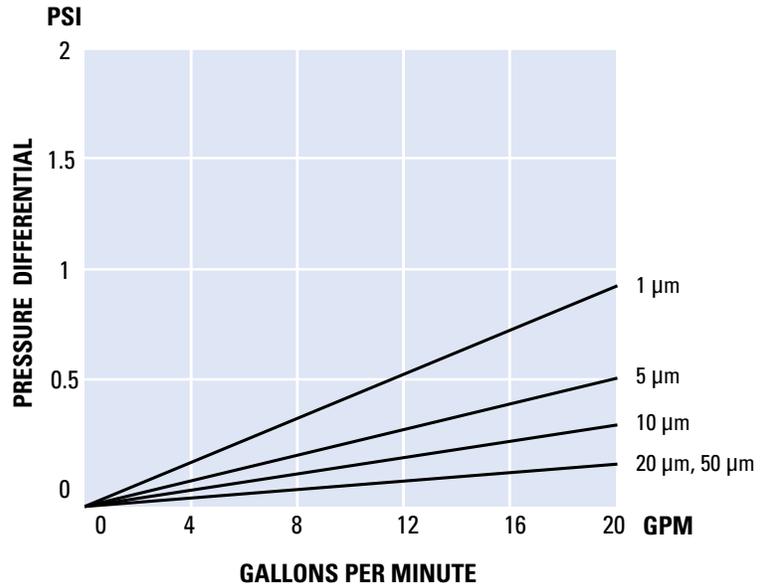
MEE products are manufactured of materials with no additives or other manufacturing agents. All materials used in the production of these cartridges meet the requirements of FDA Title 21 of The Code of Federal Regulations.

Filter Removal Efficiency

**Flow vs. Pressure Drop
2.5" OD Cartridges**



**Flow vs. Pressure Drop
4.5" OD Cartridges**



This chart represents the typical flow rate per 10" cartridge length. The test fluid is water at ambient temperature. Extrapolations for multiple lengths tend to be linear, but as flows increase the differential pressure across the housing becomes more apparent.

Ordering Guide (Example: MEE5-10)

MEE	5	-	10	
PRODUCT CODE	MICRON		LENGTH	OD
MEE	0.35 1A 1 5 10 20 50		975 = 9 3/4" 10 = 10" 195 = 19.5" 20 = 20" 294 = 29 1/4" 30 = 30" 40 = 40"	Blank = 2 5/8" BB = 4.5"

Filter Housings

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MicroVantage™ WGAS Series

Water Grade Polyethersulfone Membrane Filter Cartridges

MicroVantage Ultra Premium Filter Series



- Absolute retention ratings from 0.3 to 1.0 microns
- 6.0 square feet (0.56 m²) of media surface area per ten inch length for optimal performance
- Cost effective absolute filtration for less critical applications - not integrity tested
- 100% polypropylene construction offers wide range of chemical compatibility
- Rigid, molded cage protects pleated media and strengthens structural stability
- Manufactured in state-of-the-art white room environment for high purity
- Complies with Food & Drug Administration's CFR criteria for food & beverage contact
- Meets USP Class VI Biological Test for plastics.
- Available in common end cap configurations to fit most filter housings
- Produced in standard lengths up to 40 inches

Applications

RO Pre/Post Filtration	Food & Beverage
DI Water	Bottled Water
Plating Solutions	Microelectronics
Specialty Chemicals	Process Water
Water & Wastewater	Cosmetics

Specifications & Operating Parameters

Pore Sizes 0.03, 0.1, 0.2, 0.45, 0.65, 1.0 microns absolute retention

Nominal Lengths 9.75" (24.7 cm), 10" (25.4 cm), 20" (50.8 cm), 30" (76.2 cm), 40" (101.6 cm)

Outside Diameter 2.67" (6.78 cm)

Inside Diameter 1.0" (2.54 cm)

Media Surface Area 6.0 sq.ft. (0.56 m²) per 10 inches filter length

Gaskets/O-rings

Silicone, Buna N, EPR, Viton, Teflon Encapsulated Viton (O-rings only)

Materials of Construction

Filter Media:	Asymmetric Polyethersulfone
Outer Cage	Polypropylene
Inner Core:	Polypropylene
End caps:	Polypropylene

Maximum Operating Temperature 176°F (80°C)

Recommended Change-out Differential Pressure 35 psid (2.4 bar)

Maximum Differential (Collapse) Pressure

75 psid @ 70°F (5.2 bar @ 21°C), 40 psid @176°F (2.8 bar @ 80°C)

Sanitization and Sterilization

Hot water at 175°F (80°C) at 5 psid for 30 minutes

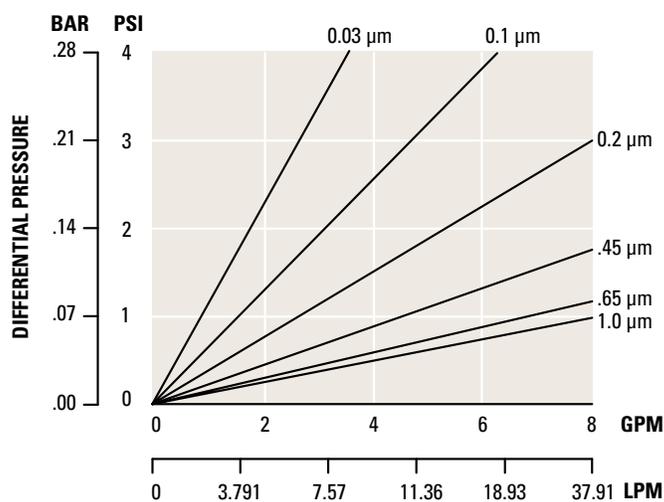
In-line steam at 257°F (125°C) @ 1 psid (0.7 bar) for 30 minutes

Autoclavable at 257°F (125°C) for 30 minutes

FDA and USP Compliance

All materials comply with the requirements of Food and Drug Administration Title 21 of The Code of Federal Regulations 174.5, 177.1520 and 177.1630. All components meet current USP Class VI biological tests for plastics

Flow vs. Pressure Drop



GALLONS PER MINUTE

This chart represents typical water flow per 10" cartridge length. The test fluid is water at ambient temperature. Extrapolation for multiple elements tends to be linear, but as flows increase the ΔP of the housing becomes more apparent.

Ordering Guide (Example: WGAS0.2-10S4S)

WGAS	0.2	–	10	S4	S
PRODUCT CODE	MICRON		LENGTH	END CAP CONFIGURATION	GASKET / O-RING
WGAS	0.03 0.1 0.2 0.45 0.65 1.0		9.75" 10" 19.75" 20" 29.25" 30" 40"	S1 = DOE S3 = 222 w/ Fin End S4 = 222 w/ Flat End S5 = 226 w/ Fin End S6 = 226 w/ Flat End S7 = Internal O-ring with Recessed Plug S9 = Internal O-ring on both ends	B = Buna N E = EPR S = Silicone V = Viton T = Teflon encapsulated Viton (O-ring only)

Filter Housings

Shelco manufactures a full line of filter housings. From our rugged single cartridge housings to our heavy duty multi-cartridge housings. Shelco is the perfect choice for your filtration solutions.



Shelco Filters

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