



aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



Process Filtration

Filtration Products For Industrial Applications



ENGINEERING **YOUR** SUCCESS.

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PROCESS FILTRATION PRODUCTS

Tailored to Industrial Applications

Product line	Filter Ratings (microns)	Housings Available	Typical Applications
MEMBRANE FILTERS			
FLUOROFLOW	0.05 to 1	Yes	<ul style="list-style-type: none"> High purity aggressive chemicals
PROFLOW II G	0.05 to 1	Yes	<ul style="list-style-type: none"> UHP - chemicals, solvents, rinse baths and gases
CLARIFLOW G	0.04 to 0.65	Yes	<ul style="list-style-type: none"> Specialty chemicals UHP water
CLARIFLOW WS	0.04 to 0.65	Yes	<ul style="list-style-type: none"> Pre-R.O. and post-R.O.
PLEATED FILTERS			
ABSO-MATE™ PAB	0.2 to 70	Yes	<ul style="list-style-type: none"> Membrane prefiltration chemicals Waste water
POLY-MATE™ PLUS PMP	0.25 to 100	Yes	<ul style="list-style-type: none"> Chemicals, magnetic media, photographic, electronics DI water, Process water
POLY-MATE™ PMPXD	0.5 to 60	Yes	<ul style="list-style-type: none"> Photographic High-tech coatings DI water and R.O. membrane prefiltration Process water, wastewater and disposal wells
CLARIPOR™ CP	0.5 to 90	Yes	<ul style="list-style-type: none"> Coatings, inkjet inks Specialty chemicals
GLASS-MATE™ PMG	0.45 to 40	Yes	<ul style="list-style-type: none"> R.O. prefiltration Membrane prefiltration Critical lubricating oils and oil field completion fluids
FULFLO® PCC	2 to 60	Yes	<ul style="list-style-type: none"> Chemicals and oil field completion fluids Metal treatment Petroleum and process gases Coatings Process water
FULFLO® 336 PLEATED	3 to 150	No	<ul style="list-style-type: none"> Petrochemicals, refineries & oil fields, amines, glycols, produced water
FULFLO® 1401	2 to 100	No	<ul style="list-style-type: none"> Water injection Chemical processes Hydrocarbons Solvents
FLO-PAC® FP	0.5 to 60	Yes	<ul style="list-style-type: none"> Hydraulic and lubricating oils Coolants - water-soluble, fuels and non-food-grade liquids
FLO-PAC®+ FPE	0.5 to 60	Yes	<ul style="list-style-type: none"> Glycols, amines, esters, ketones, aromatic & aliphatic hydrocarbons, halogenated hydrocarbons
LARGE DIAMETER PLEATED FILTERS			
MEGAFLOW™ MFN	0.5 to 10	Yes	<ul style="list-style-type: none"> DI Water Chemical processing High-tech coatings
MEGAFLOW™+ MFA	1 to 70 140, 150	Yes	<ul style="list-style-type: none"> Potable water Coolants
MAXGUARD™ MX	0.5 to 100	No	<ul style="list-style-type: none"> Oil Field - deep well injection, produced water
PARMAX™ RCP, RMG	1 to 90	Yes	<ul style="list-style-type: none"> Specialty chemicals Process Water

Product line	Filter ratings (microns)	Available Housings	Typical applications
MELT BLOWN			
MEGABOND® PLUS MBP	1 to 120	Yes	<ul style="list-style-type: none"> • Chemical processing • DI water • Coatings
AVASAN™ AVS	1 to 75	Yes	<ul style="list-style-type: none"> • DI and process water • R.O. prefiltration
DURABOND® DBC	1 to 100	Yes	<ul style="list-style-type: none"> • Chemical processing • Magnetic and industrial coatings • R.O. prefiltration, DI water and organic solvents
ECOBOND® EBC	1 to 50	Yes	<ul style="list-style-type: none"> • Chemical processing • Magnetic and industrial coatings • R.O. prefiltration, DI water and organic solvents • Oil field applications
RESIN BONDED			
PROBOND® PRO	2 to 150	Yes	<ul style="list-style-type: none"> • Inks and paints • Viscous fluids - adhesives, resins and emulsions, plasticizers
WOUND DEPTH			
HONEYCOMB® HFT	1 to 150	Yes	<ul style="list-style-type: none"> • Organic acids and solvents, petroleum oils, prefilter for membranes, concentrated and diluted alkalies, water, chemical processes
ULTRAFINE® HFT	0.5	Yes	<ul style="list-style-type: none"> • Organic acids and solvents, petroleum oils, prefilter for membranes, concentrated and diluted alkalies, water, chemical processes
XTL™	1 to 30	Yes	<ul style="list-style-type: none"> • Chemical processes • R.O prefiltration and process water • Lubricants • Organic solvents and amines
SWC®	1 to 100	Yes	<ul style="list-style-type: none"> • Organic Acids and Solvents • Petroleum Oils • Prefilter for Membranes - concentrated and diluted alkalies, water and chemical processes
FILTER BAG MEDIA			
FULFLO® FILTER BAGS	1 to 800	Yes	<ul style="list-style-type: none"> • Paints, inks and coatings • Bulk chemicals and resins • Prefilter to other cartridges
XLH	0.5 to 25	Yes	<ul style="list-style-type: none"> • Paints, inks and coatings • Adhesives and resins • Bulk chemicals • Prefilter to other cartridges
FULFLO® BASKET STRAINERS	20 to 100 Mesh	Yes	<ul style="list-style-type: none"> • Clarification at high pressure, temperature, or with high-viscosity fluids • Filtration of steam and aggressive gases
FULFLO® COAXIAL RETAINER BASKET	N/A	Yes	<ul style="list-style-type: none"> • Clarification at high pressure, temperature, or with high-viscosity fluids • Filtration of steam and aggressive gases
CARTRIDGE SERIES			
TRUBIND 300, 400, 700	Trace Oil Absorbent	Yes	<ul style="list-style-type: none"> • Removes trace oil from water
FULFLO® ACTIVATED CARBON	5 micron prefilter	Yes	<ul style="list-style-type: none"> • Chlorine removal • Organics removal
METALIC ELEMENT SERIES			
FULFLO® METALLIC	2 to 840	Yes	High-temperature liquids and steam

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Single Cartridge Filter Vessel Series

C-3000

Fulflo® B Filter Vessels

Fulflo® “B” Series Filters Are Suitable for a Wide Range of Industrial Applications

Carbon Steel “B” Vessels feature single center bolt for quick cartridge changing and in-line connections for easy installation.

Duplex vessels permit independent or parallel shell operation. In addition, they offer the advantage of continuous service because one can be serviced while the other is operating. Manifold vessels work simultaneously in parallel shells to provide higher flow rates with less pressure drop than single-shell models.

Air and gas single-shell vessels feature in-line pipe connections for easy installation and aluminum baffel sleeve deflectors for two-stage moisture removal.



Benefits

- Single center bolt for quick cartridge change
- In-line pipe connection for easy installation
- Optional integrally cast brackets for easy mounting
- Drains and vents standard on all models
- Standard Buna-N closure gasket material with optional Viton,* Neoprene and fluoropolymer gaskets available
- Spring-loaded bottom seats for positive cartridge sealing
- Duplex vessels for continuous service
- Manifold unit for increased flow
- B-Series filter vessels take standard DOE cartridges

Applications

- Petrochemicals
- Coolants
- Hydraulic Oils
- Process Water
- Solvents
- Potable Liquids
- Compressed Air



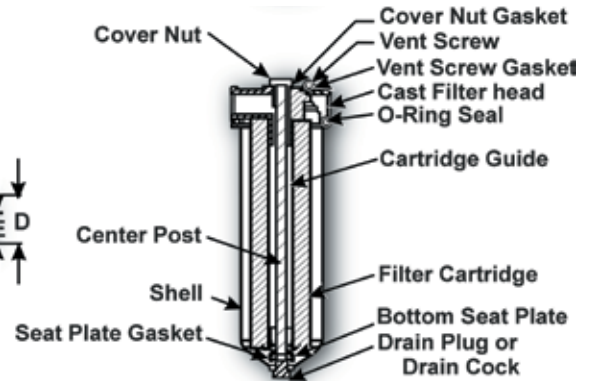
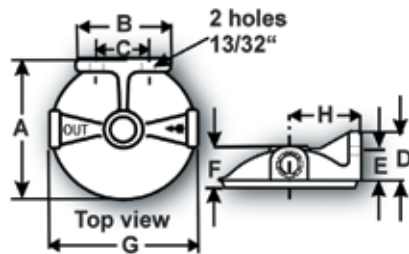
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Fulflo® B Filter Vessels

Bracketed Head Dimensions (in)

	NPT 1/4 (in)	NPT 3/4 (in)
A	4.22	4.22
B	2.75	3.31
C	1.50	2.19
D	1.50	1.88
E	1.0	1.38
F	1.25	1.66
G	4.19	4.31
H	2.13	2.13

Note: Flow factors are the same for all ratings.
Center core ID and length are primary flow restrictions.



Duplex (BDX1) and Manifold (BMCX2) Design Specifications

Model	Typical Aqueous Flow* (gpm)	(Number) & Length of Cartridges (in)	Pipe Size (NPT) (in)	Maximum Operating Pressure (psi @ 200°F)	Overall Height (in)	Shipping Weight (lbs)
BDX1-10-1/2 DS	5/10	(2) 10	1/2	150 psi (10.3 bar)***	13.75	16
BMCX2-10-1 SD**	10	(2) 10	1	150 psi (10.3 bar)***	13.63	14

* Actual flow rate is dependent on fluid viscosity, micron rating, contaminant and media type. Consult nomographs or flow curves for each application.

** Two shells in parallel. No bracket required.

*** Maximum available working pressure is 100 psi (6.9 bar) at 250°F (121°C).

Design Specifications

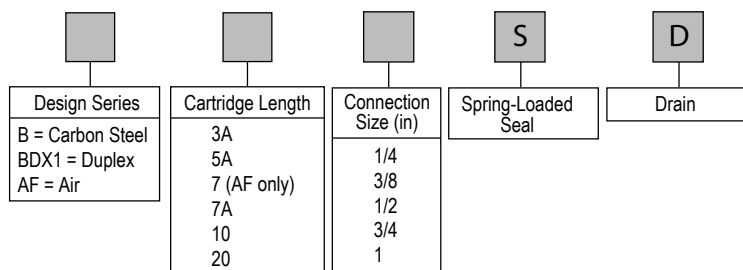
Model	Rated Capacity*	(Number) & Length of Wound Depth Cartridges (in)	Operating Pressure (psi @ 200°F)	Overall Height (in)	Outside Diameter (in)	Face-to-Face Dim. (in)	Pipe Size (NPT) (in)	Shipping Weight (lbs)
AIR AND OTHER GASES								
B3A-(1/4 OR 3/8) SC	65 scfm	(1) 3	125 psi (8.6 bar)	7.0	3.63	4.19	.25-.38	3.0
B5A-(1/2 or 3/4) SD	110 scfm	(1) 5	125 psi (8.6 bar)	9.25	3.63	4.31	.5-.75	3.75
B7A-1/2 OR 3/4) SD	150 scfm	(1) 7	125 psi (8.6 bar)	11.38	3.63	4.5	.75-1	5.25
AF7-3/4SD	180 scfm	(1) 7	150 psi (10.3 bar)†	11.38	3.63	4.31	.75	4.25
LIQUIDS								
B10-3/4 SD	5 gpm	(1) 10	150 psi (10.3 bar)‡	12.88	3.63	4.31	.75	6.0
B20-3/4 SD	10 gpm	(1) 20	150 psi (10.3 bar)‡	23.0	3.63	4.31	.75	9.25
B10-1 SD	5 gpm	(1) 10	150 psi (10.3 bar)‡	13.25	3.63	4.5	1.0	6.0
B20-1 SD	10 gpm	(1) 20	150 psi (10.3 bar)‡	23.25	3.63	4.5	1.0	9.25

* Maximum flow rate for gases based on air at 70°F (21°C) and maximum operating pressure with initial pressure loss of 3 psig (.2 bar) with a 5µm viscose wound depth filter cartridge.

† Maximum allowable working pressure is 250 psi (17.2 bar) at 100°F (38°C).

‡ Maximum allowable working pressure is 100 psi (6.9 bar) at 250°F (121°C).

Ordering Information



Note: B3A, B5A, and B7A vessels supplied with 10µm Fulflo wound cotton cartridge. Specifications are subject to change without notification.

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C-3001

Fulflo® Single Cartridge Filter Vessels

Fulflo® Single Cartridge Stainless Steel Filter Vessels Are for Water and Corrosive Fluid Applications

The BSSB models have a 316 stainless steel shell and a four-boss 316 stainless steel head for applications where an all-stainless steel construction is required.



Benefits

- Single center bolt for quick cartridge change
- In-line pipe connections for easy installation
- Bracket kit for installation on drilled head bosses for easy mounting
- Spring-loaded bottom seats for positive cartridge sealing
- O-ring closure seal provides positive sealing

Applications

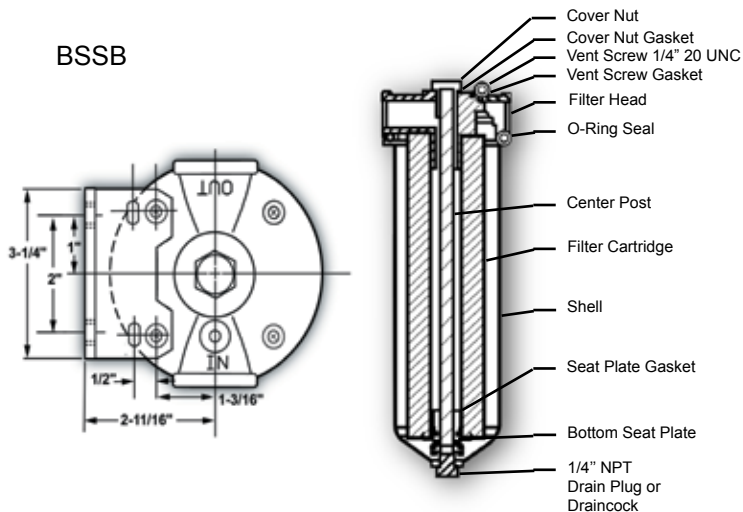
- Petrochemicals
- Coolants
- Hydraulic Oils
- Process Water
- Solvents
- Potable Liquids
- Compressed Air



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Fulflo® Single Cartridge Filter Vessels

Bracketed Head Dimensions



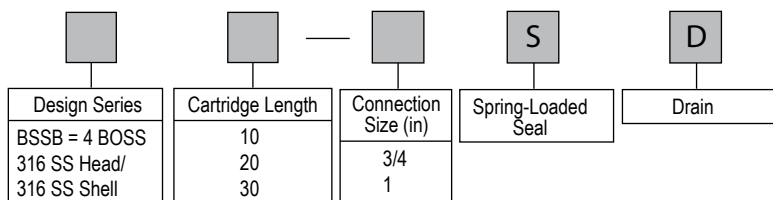
BSSB Design Specifications

Model	Typical Aqueous Flow* (gpm)	(Number) & Length of Wound Depth Cartridges (in)	Maximum Operating Pressure	Overall Height (in)	Outside Dia. (in)	Face-to-Face Dim. (in)	pipe Size (NPT) (in)	Shipping Weight (lbs)
BSSB10-3/4 SD	5	(1) 10	150 psi (10.3 bar)@250°F†	12.75	3.63	4.31	.75	6.0
BSSB20-3/4 SD	10	(1) 20	150 psi (10.3 bar)@250°F†	22.88	3.63	4.31	.75	10.50
BSSB10-1 SD	5	(1) 10	150 psi (10.3 bar)@250°F†	13.0	3.63	4.5	1.0	6.0
BSSB20-1 SD	10	(1) 20	150 psi (10.3 bar)@250°F†	23.13	3.63	4.5	1.0	10.50
BSSB30-1 SD	15	(1) 30	150 psi (10.3 bar)@250°F†	33.25	3.63	4.5	1.0	15.00

* Actual flow rate is dependent on fluid viscosity, micron rating, contaminant and media type.

† Maximum allowable working pressure is 175 psi (12.1 bar) at 200°F (94°C).

Ordering Information



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C-3004

Fulflo® TC Single Cartridge Stainless Steel Filter Vessel

Fulflo® Single Cartridge Stainless Steel Vessels Are for use With SOE-222 Style Filter Cartridges

The SSTC models have a 316 stainless steel shell and a four-boss 316 stainless steel head for applications where an all-stainless steel construction is required. The vessels feature a head which accepts SOE TC style filter cartridges which eliminates the possibility of fluid bypass.



Benefits

- The vessels are sealed using a ring type threaded closure which requires no special tools to change the cartridges
- Threaded ring closure for quick cartridge change
- 222 seal cup for TC and competitive cartridge sealing (M3, Code 3, Code 0)
- Integrally cast brackets for easy mounting
- Standard Buna-N closure o-ring material with optional Viton, EPR and Silicone available
- Available for use with 10", 20" and 30" cartridge lengths
- Vessel has no internal parts
- Cartridge seating is positive and can be checked prior to closing
- All components have electropolished finish

Applications

- Solvents
- Chemicals
- Potable Water
- Parts Washer



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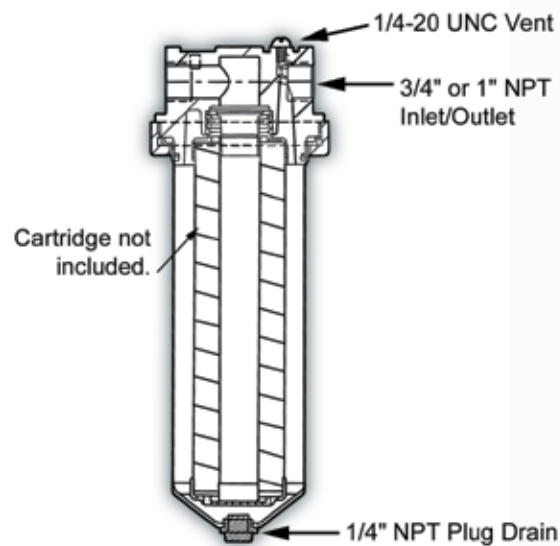
Fulflo® Single Cartridge Stainless Steel Filter Vessel

Design Specifications

Model	Typical Aqueous Flow* (gpm)	Length of Cartridges (in)	Operating Pressure (psi @ 250°F)	Overall Height (in)	Outside Diameter Face-to-Face (in)	Pipe Size (NPT) (in)	Shipping Weight (lbs)
SSTC10-075	5	10	200 psi (13.8 bar)	12.25	3.50	.75	7.80
SSTC20-075	10	20	200 psi (13.8 bar)	22.38	3.50	.75	9.00
SSTC30-075	15	30	200 psi (13.8 bar)	32.50	3.50	.75	10.20
SSTC10-100	5	10	200 psi (13.8 bar)	12.25	3.50	1.00	7.80
SSTC20-100	10	20	200 psi (13.8 bar)	22.38	3.50	1.00	9.00
SSTC30-100	15	30	200 psi (13.8 bar)	32.50	3.50	1.00	10.20

Optional Seals Provided

Viton	P/N 4152-8236
EPR	P/N 4154-5236
Silicone	P/N 4151-4236
FEP/Viton	P/N 4154-4236
FEB/Silicon	P/N 4150-5617



Ordering Information

SS	TC	□	□
Design Series	Cartridge Seal	Cartridge Length	Connection Size
SS = 316SS Shell and Head	222 O-ring	10 = 10 20 = 20 30 = 30	075 = 3/4 in FNPT 100 = 1 in FNPT

Note: Buna-N is standard seal.

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C-3002

Fulflo® High-Pressure Single Cartridge Filter Vessel (4.5C)

Fulflo® High-Pressure Filter Vessels Are Ideal for High-Pressure Liquid Applications

Ideal for a wide range of industrial machinery and process industry applications, these vessels combine extremely high-pressure rating capability with ease of installation and rugged durability.



Benefits

- 4.5C features multiple bolt closure to meet high-pressure requirements
- In-line pipe connections for easy installation
- Available in carbon steel and 316 stainless steel materials
- Spring-loaded bottom seats for positive cartridge sealing
- Drain and vent standard on all models
- Vessels accept a single 10" or 20" DOE (double-open-end) seal elements

Applications

- Petrochemicals
- Coolants
- Hydraulic Oils
- Process Water
- Solvents
- Other High-Pressure Liquids



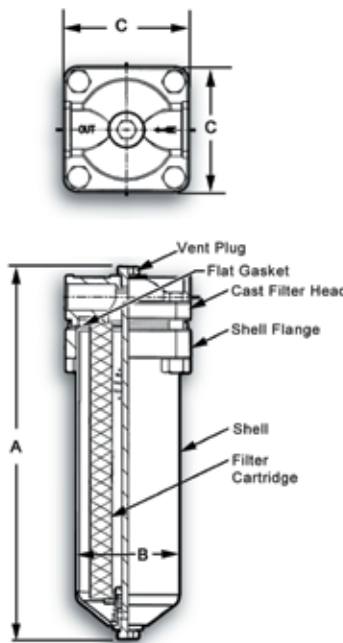
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Fulflo® High-Pressure Single Cartridge Filter Vessel

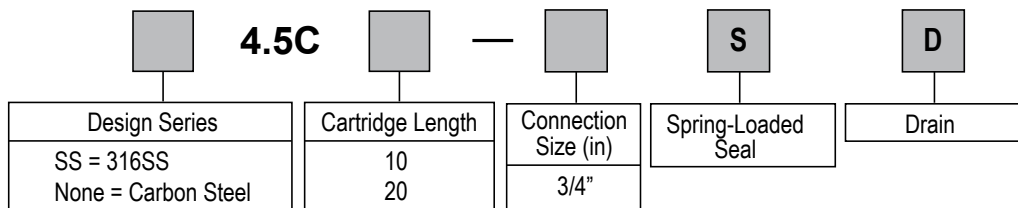
Design Specifications

Model	Rated Capacity* (gpm)	(Number) & Length of Wound Depth Cartridges (in)	Maximum Operating Pressure (psi)	Maximum Operating Temperature	Overall Height (in)	Outside Diameter (in)	Face-to-Face Dim. (in)	Pipe Size (NPT) (in)	Shipping Weight (lbs)
4.5C10-3/4 SD	5	(1) 10	450 psi (31.0 bar)	400°F (204°C)	13.31	3.63	4.38	.75	9
SS4.5C10-3/4 SD	5	(1) 10	450 psi (31.0 bar)	400°F (204°C)	13.31	3.63	4.38	.75	10
4.5C20-3/4 SD	10	(1) 10	450 psi (31.0 bar)	400°F (204°C)	29.19	3.63	4.38	.75	12.25
SS4.5C20-3.4SD	10	(1) 10	450 psi (31.0 bar)	400°F (204°C)	29.19	3.63	4.38	.75	13.25

* Actual flow rate is dependent on fluid viscosity, micron rating, contaminant and media type.



Ordering Information



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C-3005

Fulflo® “M” Series Single Cartridge Vessels

Fulflo® High-Pressure Single Cartridge

Parker’s “M” Series Single Cartridge Filter Vessels are designed for a broad range of high pressure industrial and chemical process applications. All details of design, materials, construction and workmanship comply with the ASME code for pressure vessels. The “M” series is available with and without the ASME stamp.

Benefits

- ASME design to insure integrity, available with and without the ASME stamp
- T-Style head and shell for ease of installation and servicing
- Standard O-Ring closure seal is Buna N, with optional materials available for improved chemical compatibility and higher temperature rating
- Flanged or threaded connections to suit installation requirements and preference
- Optional 150, 300 or 600 lb. RFSO flange connections for installation flexibility
- 1-inch connections for maximum flow capability of filter cartridges
- Utilizes one 10-, 20- or 30-inch cartridge
- Multiple bolt closure with bright zinc plated studs



- Optional single-open-end (SOE 2-222 TC Style) cartridge adapter for positive sealing of high efficiency filter cartridges
- Wide range of cartridge media available for process clarity control and chemical compatibility
- Rigid cartridge support post with threaded end seal for positive double open end (DOE) cartridge seating

Applications

- Chemicals
- Catalyst Recovery
- Solvents
- Cutting Oils
- Other High Pressure Liquids
- Process Water
- Lubricants
- Coolants
- Hydraulic Oils
- Compressed Air and Gases



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Fulflo® “M” Series Single Cartridge Vessels

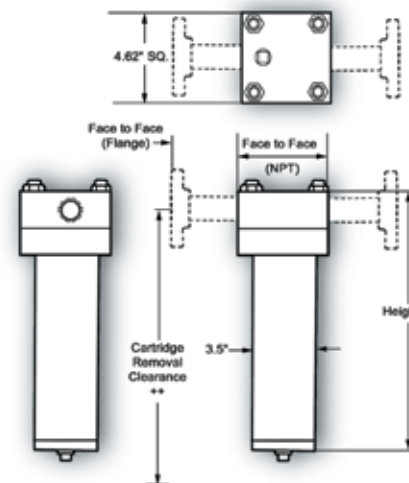
Specifications

Carbon steel or 316 stainless steel material
 Drain: 1/4 in NPT
 Vent: 1/4 in NPT
 Bolting: (4) 5/8-11 UNC bright zinc plated carbon steel
 Head to shell seal

Maximum Allowable Working Pressure

Connections	Designation	Carbon Steel at 250°(121°C)	316 Stainless Steel at 250°(121°C)
FNPT	T	1610 psig	1610 psig
150 lb. Flange	F	245 psig	225 psig
300 lb. Flange	H	665 psig	590 psig
600 lb. Flange	J	1332 psig	1180 psig

Note: FNPT maximum pressure is 1610 psig at 300°F with EPR O-ring, 400°F with Viton* and FEP encapsulated Viton* O-ring, and 500°F with FEP Encapsulated Silicone. Flanged units (F, H, and J designations) are based on ANSI B16.5 pressure at 250°F (121°C). The flanged versions can also be rated for the higher design temperature in which case the pressure rating will be reduced according to ANSI B16.5. Indicate the desired temperature in degrees F at the end of the model number. The gasket material and flange rating must be changed accordingly.



“M” Series Flow Rates and Dimensions

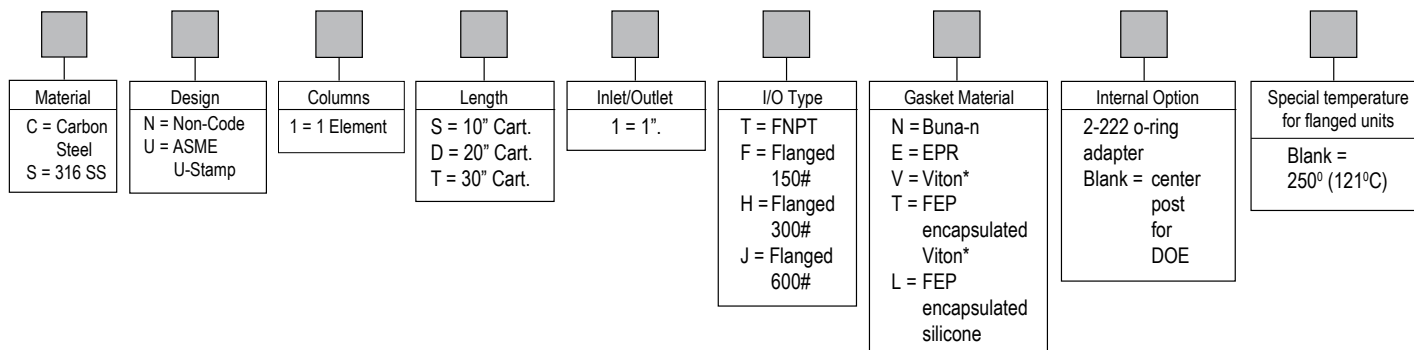
Model	Typical Aqueous† Flow Rate (gpm)	Cartridge Length (in)	Cartridge Height (in)++	Inlet Face to Outlet Face (in)		Removal Weight (lbs)		Removal Clearance (in)++
				FNPT	Flanged	FNPT	Flanged	
MC(N or U)1S	6	10	14.5	4.62	12.62	37	45	22
MC(N or U)1D	12	20	24.5	4.62	12.62	46	54	42
MC(N or U)1T	18	30	34.5	4.62	12.62	55	63	62

† Actual flow is dependent on fluid viscosity, micron rating, contaminant, media type and desired initial pressure drop.

++ Add 3” when using TC internal option for use with TC style 2-222 O-ring cartridges.

Ordering Information

M



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ENGINEERING YOUR SUCCESS.

C-3050

Fulflo® LT Series

Fulflo® Polymeric Vessels for Water Filtration

Parker Fulflo® LT Series Polymeric Vessels are an ideal economical choice for low flow industrial and potable water applications. Standard and large diameter vessels accommodate 2-1/2 and 4-1/2 inch O.D. double-open-end Fulflo cartridges and meet FDA requirements for use with potable fluids. Both 10-in and 20-in vessels, with or without pressure relief vent, are available. Installation wrenches and brackets are optional.

Benefits

- Fulflo® polymeric vessels are available in two diameters and lengths, with or without relief vent
- The all-polymeric, corrosion-resistant LT series vessels are economical alternatives to stainless steel vessels when high temperature and high pressure are not specified
- All models are made of materials that meet FDA requirements
- The LTG model vessels provide both 1 in and 1-1/2 in NPT connection in same head
- Positive head-to-shell "stop" prevents over tightening
- Unique o-ring design ensures effective sealing by positive tangential contact and eliminates accidental misplacement
- LT model vessels are ideal for Fulflo® bonded, pleated and wound cartridges, as well as activated carbon core models MMCT-10, MC10-2, MC20-2 and MC30-2



- LTG model vessels are ideal for Fulflo® TruBind® 400 series cartridges and 4-1/2 in O.D. wound cartridges in double-open-end style
- Optional installation wrenches accommodate faster cartridge changeout
- Mounting brackets are available for pipe and wall installation
- LT series vessels are tested to industry standards of Water Quality Association for burst pressure, seal integrity, and fatigue resistance

Applications

- Potable Water
- Leisure/Commercial Shipping Bilge Water
- DI Water
- Industrial Discharge
- Alkaline Parts Washing
- Post Oil/Water Separator Polishing
- Process Water
- Compressor Condensate



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Fulflo® LT Series

Specifications

Materials of Construction:

White talc-reinforced polypropylene head with clear Styrene-Acrylonitrile (SAN) shell.

Head-to-shell O-ring:

LT model: 2-240 Buna-N
LTG model: 2-358 Buna-N

Recommended Operating Conditions:

Maximum operating temperature:
125°F (52°C) @ 100 psi (6.9 bar)
Maximum operating pressure:
LT: 150 psi (10.3 bar) @ 75°F (22°C)
LTG: 125 psi (8.6 bar) @ 75°F (22°C)

Maximum Recommended Flow Rate:

LT10: 6 gpm (23 lpm)
LT20: 12 gpm (45 lpm)
LTG10: 10 gpm (38 lpm)
LTG20: 20 gpm (76 lpm)

Connection Dimensions:

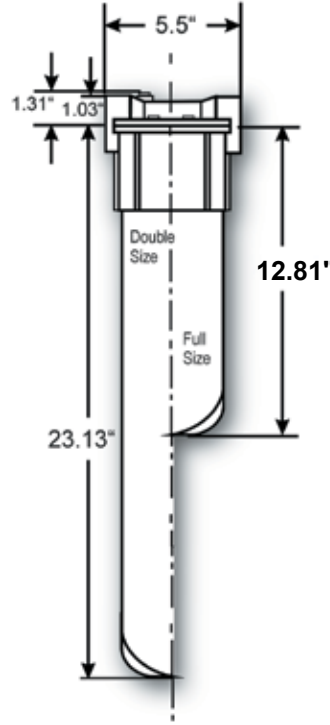
LT: 3/4 in NPTF
LTG: 1 and 1-1/2 in NPTF (dual connection)

Accepts Industry Standard Cartridge Sizes (Nominal):

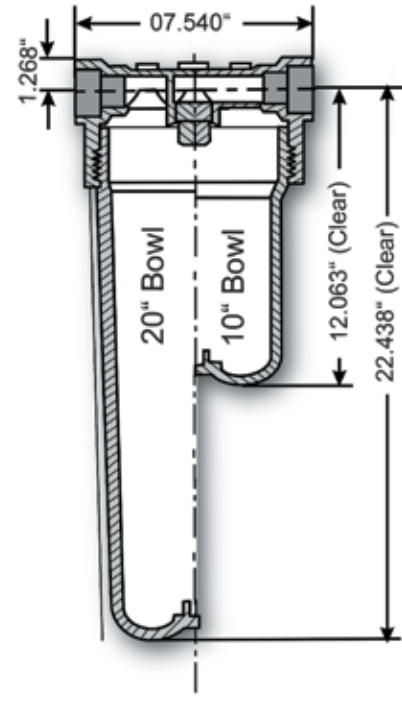
Lengths:
9-13/16 in (249 mm); 20 in (508 mm) I.D.
1-1/16 in (27mm)
O.D. LT: 2-1/2 in (64 mm)
LTG: 4-1/2 in (114mm)

Optional Seal Configuration:

LT: Accommodates 213 o-ring seal ("PR" cartridge code)



Model LT



Model LTG

Available Options for LTG Model

Option	Part Number
Wrench for 10 in Shell	6880-6000
Wrench for 20 in Shell	6880-6001
L-Bracket—Wall Mount	0820-6001

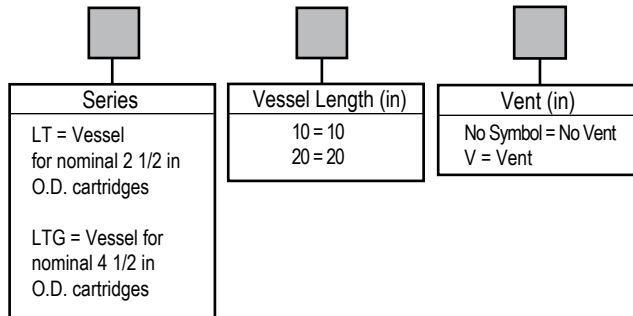
Available Options for LT Model

Option	Part Number
Wrench for 10 in Shell	6880-1-005
Wrench for 20 in Shell	6880-1-010
L-Bracket—Wall Mount	0820-6010
U-Bracket—Pipe Mount	0820-6015

Available Vessel Part Numbers

LT Model	LTG Model
LT10	LTG10
LT10V	LTG10V
LT20	LTG20
LT20V	LTG20V

Ordering Information



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C-3055

Fulflo® NP Filter Vessels

Fulflo® Natural Polypropylene Vessels for High Purity Applications

Parker's Fulflo® NP series vessels feature pure natural polypropylene construction. The NP series is an ideal economical alternative to stainless steel and fluoropolymer vessels for filtration of corrosive fluids. They are essential for applications and processes demanding high purity filtration. Availability of 10-inch and 20-inch lengths and both single and double-open-end seal designs adds additional versatility.

Benefits

- Fulflo® NP series vessels available in two lengths and two seal designs offer versatility
- Several O-ring options maximize compatibility choices. Viton* is standard
- Smooth fluid contact surfaces prevent bacteria and contaminant build-up
- U-bracket available for pipe mounting
- Mounting bosses in head accommodate L-bracket
- Securely retained head-to-shell O-ring ensures effective sealing by positive tangential contact and eliminates accidental misalignment
- Positive head-to-shell "stop" prevents overtightening
- Individual packaging ensures cleanliness until use



- NP vessels accept all standard double-open-end and single-open-end 2-222 O-ring design Fulflo filter cartridges
- NP vessels of pure polypropylene meet FDA requirements for edible and potable liquid filtration
- Available with pressure relief vent or threaded vent and drain
- Service wrenches available for easy installation
- NP vessels totally incinerable after useful life

Applications

- DI Water
- Inorganic Chemicals
- Photographic Solutions
- Organic Solvents
- Process Gases
- Electronic Grade Chemicals



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Fulflo® NP Filter Vessels

Specifications

Materials of Construction:

Vessel 100% natural FDA grade polypropylene
 Head-to-shell 2-240 O-Ring:
 Standard (Industrial Grade): Viton*
 Optional (FDA Grade): Buna-N, EPDM, Silicone, FEP encapsulated silicone
 Pressure Relief Button O-Ring: Buna-N only

Maximum Recommended Operating Conditions:

Temperature:
 125°F (52°C) @ 100 psi (6.9 bar)
 Pressure:
 150 psi (10.3 bar) @ 75°F (22°C)
 Flow Rate:
 6 gpm (23 lpm) for 10 in vessel
 12 gpm (45 lpm) for 20 in vessel

Recommended Cartridge Dimensions:

NP10:
 2-3/8 in to 2-3/4 in O.D. x 1 in I.D.
 x 9-5/8 in to 9-13/16 in long
 NP20:
 2-3/8 in to 2-3/4 in O.D.
 x 1 in I.D. x 19-7/8 in to 20-1/16 in long

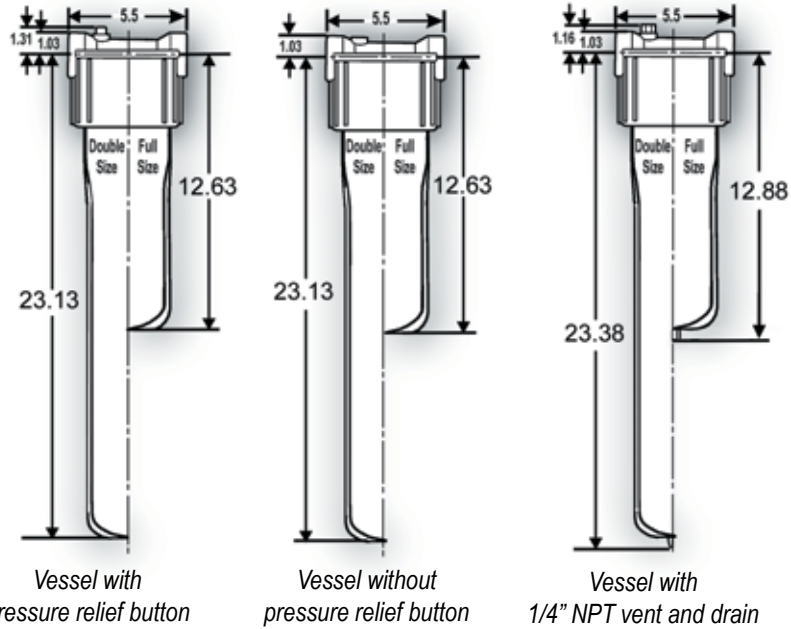
Connection Dimensions:

Inlet/Outlet: 3/4 in (19 mm) NPTF
 Vent/Drain: 1/4 in (6.4 mm) NPTF

Cartridge Seal Designs:

"TC":
 Single-Open-End with 222 O-ring receptacle
 "DO":
 Double-Open-End with knife edge seal; also accepts 213 O-ring seal cartridge (PR code)

Vessel Assembly Dimensions:



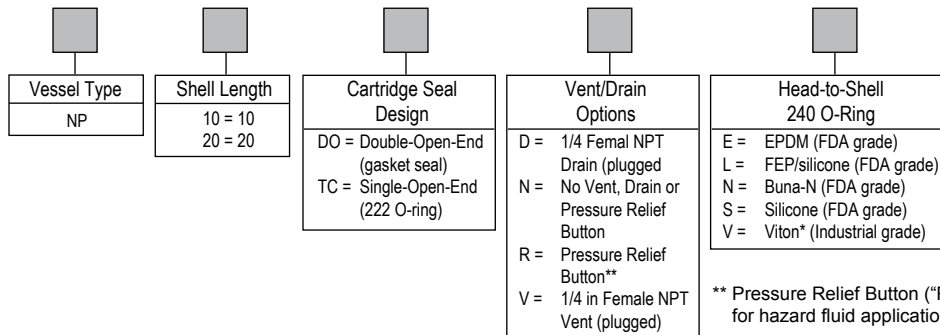
Compatible Chemicals (125°F max. temp.)

Acetic Acid	50%
Acetone	99.5%
Ammonium Fluoride	40%
Ammonium Hydroxide	10%
Hydrochloric Acid	37%
Hydrofluoric Acid	49%, 52%
Nitric Acid	10%
Phosphoric Acid	85%
Potassium Hydroxide	45%
Sodium Hydroxide	50%
Tetrachloroethylene	99.0%

Standard Vessel Assemblies

NP10-DO-N-V	NP20-DO-N-V
NP10-DO-R-V	NP20-DO-R-V
NP10-DO-DV-V	NP20-DO-DV-V
NP10-TC-N-V	NP20-TC-N-V
NP10-TC-R-V	NP20-TC-R-V
NP10-TC-DV-V	NP20-TC-DV-V

Ordering Information



** Pressure Relief Button ("R") not recommended for hazard fluid applications.

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Multi-Cartridge Filter Vessel Series

C-3006

Fulflo® WH Filter Vessels

WH Vessels

The WH cartridge filter vessels are a lightweight, economical, Non-ASME industrial / commercial design suitable for a wide variety of filtration applications. The 100% stainless steel and passivated finish provides superior corrosion resistance and an excellent appearance. The swing type closure bolts and hinged cover design (up to 35 round) make cartridge change-out quick and easy.



Benefits

- Hinged cover (up to 35 round) and swing bolt closure for fast, easy cartridge changeout
- Maximum design pressure is 150 psig (10.3 bar) at 250°F (121°C) for use in a wide range of operating conditions
- 100% stainless steel for corrosion resistance. Bolting is zinc plated carbon steel.
- Dual purpose cartridge seats for use with double open end and 2-222 O-ring single open end cartridges

- Standard finish is passivated
- 316 Stainless steel cartridge seats, top seat plate assemblies, and tri-fold element guides for long term use
- Standard Buna-N O-ring with optional fluoroelastomer and EPR for wide range of applications
- Standard features include vent, clean drain and dirty drain connections

Applications

- Potable Water
- Process Water
- Edible Oils
- Beverages
- Chemicals
- Solvents
- Pre-Reverse Osmosis

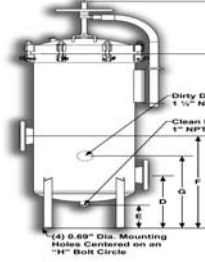
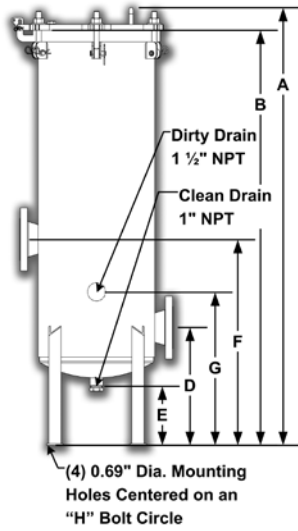


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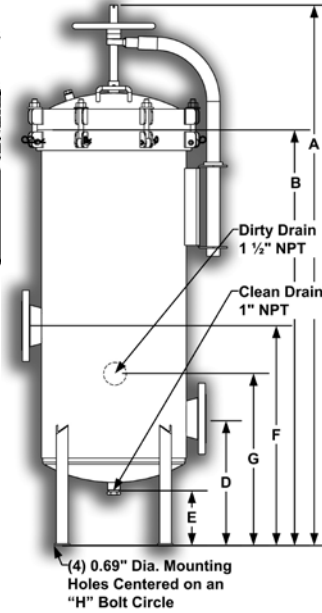
Fulflo® WH Filter Vessels

Specifications

WH7, WH9, WH12, WH16, WH21



WH29 & WH35

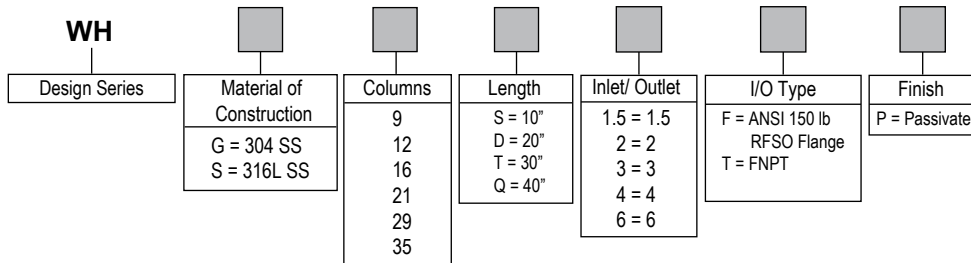


Design Specifications

Model	Cart Qty Length	Typical Flow†	A	B	C	D	E	F	G	H	Weight (lbs)
WH*9T3F	(9) 30	189	51.94	49.38	15.49	14.00	5.75	21.50	18.25	10.46	165
WH*9Q3F	(9) 40	252	62.00	59.44	15.49	14.00	5.75	21.50	18.25	10.46	180
WH*12T3F	(12) 30	252	51.94	49.38	16.80	14.00	7.29	21.50	18.25	11.72	175
WH*12Q3F	(12) 40	336	62.00	59.44	16.80	14.00	7.29	21.50	18.25	11.72	195
WH*16T4F	(16) 30	336	52.06	49.38	19.05	14.00	7.02	24.50	18.25	13.74	235
WH*16Q4F	(16) 40	448	62.13	59.44	19.05	14.00	7.02	24.50	18.25	13.74	150
WH*21T4F	(21) 30	441	52.06	49.38	21.30	14.00	6.29	24.50	18.25	15.76	165
WH*21Q4F	(21) 40	588	62.13	59.44	21.30	14.00	6.29	24.50	18.25	15.76	185
WH*29T6F	(29) 30	609	68.35	52.56	23.52	16.00	6.93	27.75	22.00	17.80	395
WH*29Q6F	(29) 40	812	78.41	62.63	23.52	16.00	6.93	27.75	22.00	17.80	420
WH*35T6F	(35) 30	735	68.62	52.56	25.52	16.00	6.26	27.75	22.00	19.81	445
WH*35Q6F	(35) 40	980	78.68	62.63	25.52	16.00	6.26	27.75	22.00	19.81	470

†Actual flow rate is dependent on fluid viscosity, micron rating, contaminant and media type. Consult flow charts for each application. Flow rates shown do not consider inlet velocity limitations.

Ordering Information



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C-3025

Fulflo® CH5 Filter Vessels

Carbon Steel and 304 Stainless Filter Element Vessel Series

The Fulflo® CH5 Non-Code Filter Vessels are lightweight and provide economical filtration of liquids.

The CH5 Vessel Series accommodates either double-open-end (DOE) or single-open-end (SOE) filter elements in 10 inch, 20 inch or 30 inch lengths.



Benefits

- Single O-ring design closure assures quick, positive cover sealing
- Swing bolts for fast, easy and safe opening and closing of cover
- Pivot pin cover allows cover to remain attached when opened
- Buna-N O-ring standard with optional EPR and Viton®
- Zinc plated closure bolts and legs for corrosion resistance
- Adjustable leg height
- Standard features include vent, clean drain and dirty drain connections

Applications

- Potable Water
- Lubricants
- Process Water
- Coolants
- Edible Oils
- Cutting oils
- Coatings
- Solvents



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Fulflo® CH5 Filter Vessels

Specifications

Materials of Construction

Carbon Steel and 304 Stainless Steel

Dimensions

See layout drawing

Number of Cartridges

Five 10 inch, 20 inch or 30 inch

Fulflo® CH5 Vessel Series

Rated Capacity

25 gpm

50 gpm

75 gpm

Maximum Recommended Operating Conditions

175 psi (12 bar) at 250°F (121°C)

Product Configurations

Pipe size or connection:

2" NPT inlet & outlet

1/2" NPT vent

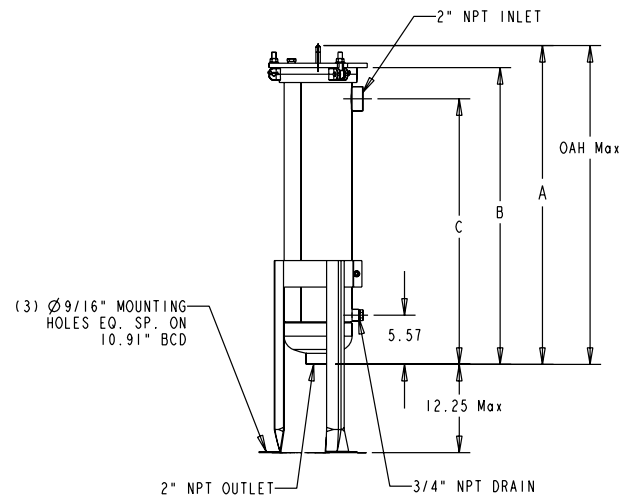
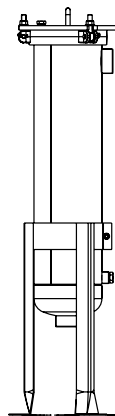
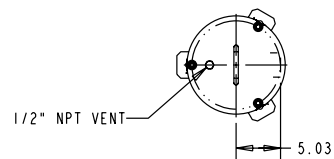
3/4" NPT drain

Shipping Weight

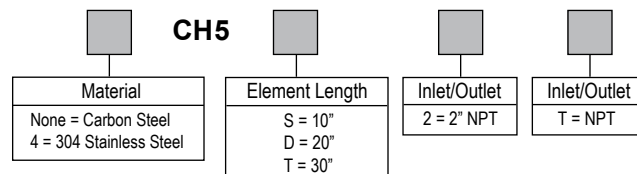
60 lbs

75 lbs

Model	A	B	C	OAH Max	Shipping Weight (lbs)
CH5S2	25.16	22.60	19.07	37.41	57
CH5D2T	35.16	32.60	29.07	47.41	67
CH5D2T	45.16	42.60	39.07	57.41	77
4CH5S2T	25.16	22.60	19.07	37.41	57
4CH5S2T	35.16	32.60	29.07	47.41	67
4CH5T2T	45.16	42.60	39.07	47.41	77



Ordering Information



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C-3060

Fulflo® SF Filter Vessels

High Flow Rates With Fulflo® SF ASME Code Vessels

Fulflo® SF Multi-Cartridge Filter Vessels meet a broad range of liquid and gas applications. All details of design, materials, construction and workmanship of the SF vessel series conform to ASME code.

The SF Vessel Series accommodates double-open-end (DOE) and single-open-end (SOE) cartridges in 10 in, 20 in, 30 in and 40 in equivalents.

Benefits

- Designed and fabricated in accordance with the ASME Boiler and Pressure Vessel Code, U or UM stamp
- Non-code design and construction (parallel to code standards) available
- Mechanical coverlifts of carbon steel construction standard on models SF12 and SF19.
- Designed for minimum pressure drop
- External welded attachments on stainless steel models are also stainless steel
- Dual purpose cartridge seats for use with double open end and 2-222 O-ring single open end cartridges



- All SF models feature swing bolts with eyenuts for easier cleaning and servicing
- O-ring seals provide positive closure
- Standard Buna-N O-rings with optional Viton* elastomer, neoprene, ethylene propylene rubber and fluoropolymer elastomer O-rings are also available for temperatures up to 500°F (260°C)
- Hydraulic coverlifts optional on SF12 and SF19 models

Applications

- Water
- Concentrated Alkalies
- Dilute Acids & Alkalies
- Mineral Acids
- Organic Acids
- Oxidizing Agents
- Solvents
- Petroleum Oils
- Potable Liquids
- Photo Solutions



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Fulflo® SF Filter Vessels

Design Specifications

No. & Model	Max. Length of Cart. (in)	Dimensions Flow (gpm)	Shipping Weight (lbs)	A†	B	C	D	E	F	G	H	J
SF3-1-2F	(3) 10	15	26.69	12.69	6.63 OD	8.19	16.19	5.00	11.31	5.81	2	125
SF6-1-2F	(6) 10	30	26.94	14.88	8.63 OD	8.19	16.19	5.06	11.31	7.81	2	180
SF6-2-2F	(6) 20	60	37.00	14.88	8.63 OD	8.19	16.19	5.06	11.31	7.81	2	185
SF6-3-2F	(6) 30	90	47.06	14.88	8.63 OD	8.19	16.19	5.06	11.31	7.81	2	200
SF6-4-3F	(6) 40	120	58.50	14.88	8.63 OD	8.19	16.19	5.06	12.00	7.81	3	220
SF12-3-3F	(12) 30	180	53.75	20.50	12.06 ID	13.38	21.00	5.00	17.88	11.68	3	310
SF12-3-4F	(12) 30	180	53.75	20.50	12.06 ID	13.38	21.00	5.00	17.88	11.68	4	315
SF12-4-4F	(12) 40	240	60.31	20.50	12.06 ID	13.38	21.00	5.00	17.88	11.68	4	330
SF19-3-4F	(19) 30	285	50.19	23.50	15.06 ID	13.38	21.00	5.00	17.88	14.75	4	420
SF19-4-4F	(19) 40	380	60.31	23.50	15.06 ID	13.38	21.00	5.00	17.88	14.75	4	440

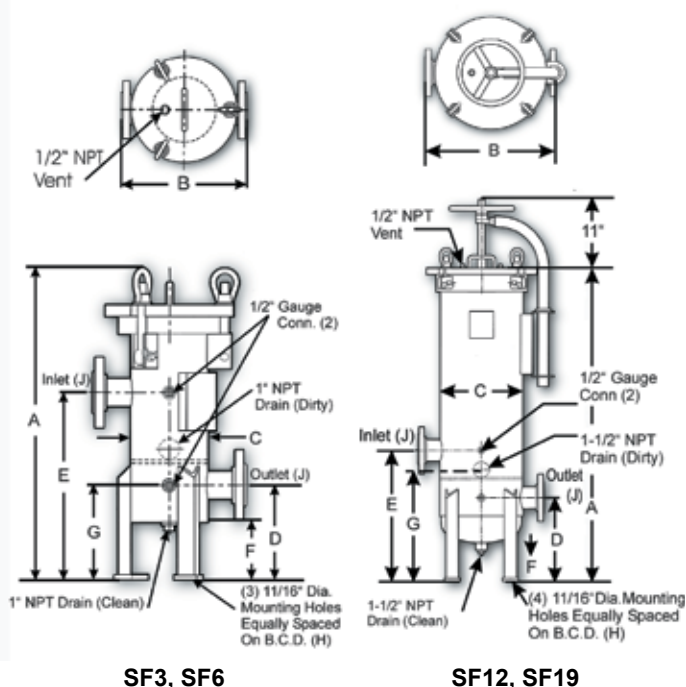
† Add 5 in to this dimension for hydraulic coverlift.

†† Inlet and outlet size standard ASA flanges.

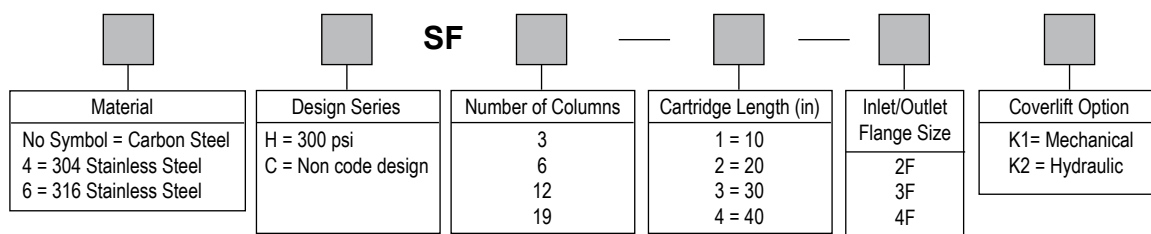
Maximum Operating Conditions

Material of Construction	Maximum Operating Pressure (psi at 250°F)†	Maximum Design Temperature
Carbon Steel	150 psi (10.3 bar)	500°F (260°C)
Carbon Steel	300 psi (20.7 bar)	500°F (260°C)
304 Stainless Steel	150 psi (10.3 bar)	300°F (150°C)
304 Stainless Steel	300 psi (20.7 bar)	300°F (150°C)
316 Stainless Steel	150 psi (10.3 bar)	400°F (204°C)
316 Stainless Steel	300 psi (20.7 bar)	400°F (204°C)

† Operating temperature limited by standard gasket material and exterior paint.



Ordering Information



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C-3065

Fulflo® HT Filter Vessels

Filter Heat Transfer Oils and Other High Temperature Fluids with Fulflo HT Series ASME Code Vessels

Fulflo® HT multi-cartridge filter vessels are specifically designed for filtration of high temperature heat transfer oils and other hot fluids. All details of design, materials and construction of the HT vessel series conform to ASME code.

The HT series vessels are designed for use with double open end (DOE) and single open end (SOE) cartridges in 10, 20 and 30 inch lengths.

Benefits

- ANSI blind flange closure for positive seal and common replacement gasket size
- High temperature 304 SS spiral wound closure gasket with non-asbestos filler for use at elevated temperature and when fire safe non O-ring design is required
- Modified silicone paint, suitable for high temperature, applied over sandblasted surface for exterior protection
- Nickel plated bolting for corrosion resistance at high temperature
- Cartridge top seats, guides and bottom seats made of 316 SS for corrosion resistance
- Inlet and outlet nozzles extended 6 inches to allow for installation of protective insulation



- Extended nameplate so design information is visible after protective insulation is installed
- Designed for minimum pressure drop
- Designed and fabricated in accordance with ASME Boiler and Pressure Vessel code, U or UM stamp
- Design: 123 PSIG at 650°F and 418 PSIG at 650°F
- Dual purpose cartridge seat for use with double open end and 2-222 O-ring single open end cartridges

Applications

- Heat Transfer Oils
- High Temperature Oils
- Hot Fluids and Gases



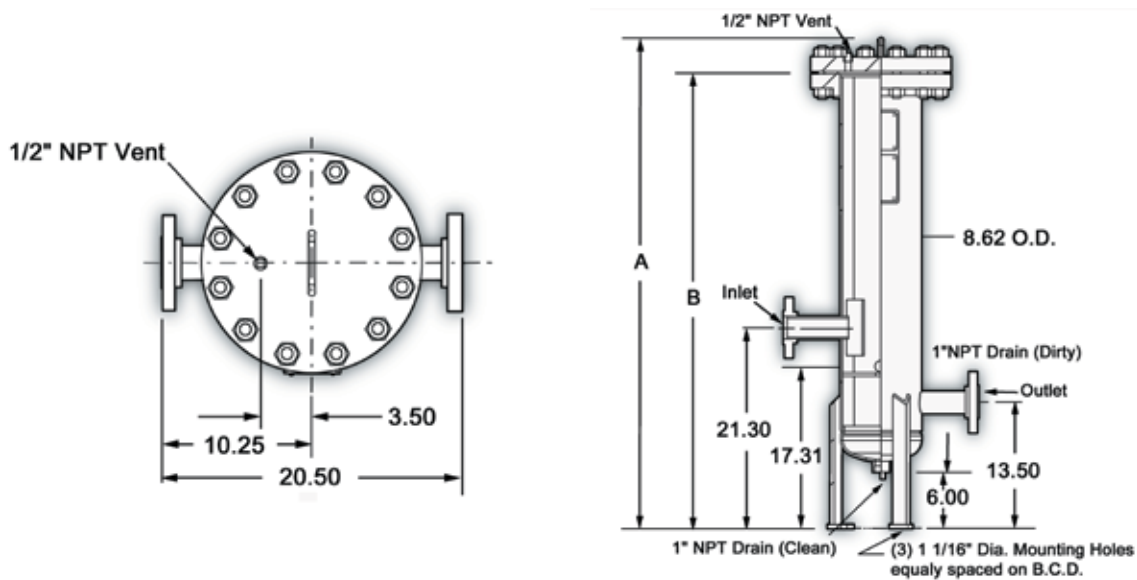
ENGINEERING **YOUR** SUCCESS.

Fulflo® HT Filter Vessels

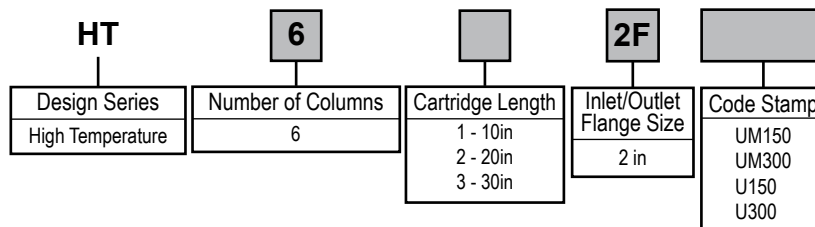
Model	Number & Length of Cartridge (in)	Flow† (gpm)	Dimensions (in)		Shipping Weight (lbs)	
			A	B	150U, UM	300U, UM
HT6-1-2F	6 (10)	30	32.38	28.63	175	260
HT6-2-2F	6 (20)	60	42.44	38.69	190	275
HT6-3-2F	6 (30)	90	52.50	48.75	205	290

† Based on 5 gpm per 10" cartridge

Material of Construction	Maximum Operating Pressure	Maximum Operating Temperature	Code
Carbon Steel	123 psi (8.48 bar)	650°F (343°C)	150 U, UM
Carbon Steel	418 psi (28.2 bar)	650°F (343°C)	300 U, UM



Ordering Information



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C-3070

Fulflo® S Filter Vessels

Fulflo® S Series ASME Code Filter Vessels

Fulflo® S Series Multi-Cartridge Filter Vessels meet a broad range of liquid and gas applications for flow rates up to 2,040 gpm (7,720 lpm). All details of design, materials, construction and workmanship of the S vessel series conform to ASME code.

The S Vessel Series accommodates double-open-end (DOE) or single-open-end (SOE) filter cartridges in 10 in, 20 in, 30 in and 40 in equivalents.

Benefits

- Built in accordance with ASME boiler and pressure vessel code
- Available in 150 psi (10.3 bar) and 300 psi (20.7 bar) designs
- Non-code design and construction (parallel to code standards) available
- Mechanical coverlifts standard on most models
- S85 and S102 feature hydraulic coverlifts (available on all models as an option)
- Dual purpose cartridge seats for use with double open end and 2-222 O-ring single open end cartridges



- Buna-N O-ring closure seal provides positive cover sealing.
- Viton* elastomer, neoprene, ethylene propylene rubber and fluoropolymer elastomer O-rings are also available for temperatures up to 500°F (261°C)
- All S models feature swing bolts with closures for quick cleaning and servicing
- Accepts double-open-end (DOE) or single-open-end (SOE) cartridges

Applications

- Liquid
- Gas
- Food & Beverage
- Chemical Processes
- Petrochemical
- Paints & Coatings
- Industrial



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Fulflo® S Filter Vessels

150 psi (10.3 bar) Design Specifications

No. & Model	Length of Cartridges (in)	Maximum Flow (gpm)	Dimensions								Shipping J††	Weight (lbs)
			A†	B	C	D	E	F	G	H		
S25-3-4F	(25) 30	375	55.88	26.00	18.06	15.50	28	5	20.44	17.76	4	515
S25-4-6F	(25) 40	500	69.75	26.00	18.06	16.50	31	5	22.25	17.76	6	540
S35-3-4F	(35) 30	525	58.19	29.25	20.06	16.50	31	5	22.56	19.77	4	640
S35-3-6F	(35) 30	525	58.19	29.25	20.06	16.50	31	5	22.56	19.77	6	645
S35-4-6F	(35) 40	700	68.25	29.25	20.06	16.50	31	5	22.56	19.77	6	695
S40-3-6F	(40) 30	600	60.25	30.75	22.06	18.00	32	5	23.31	21.70	6	810
S52-3-4F	(52) 30	780	63.69	33.38	24.06	20.50	34	5	27.56	23.72	4	855
S52-3-6F	(52) 30	780	63.69	33.38	24.06	20.50	34	5	27.56	23.72	6	865
S52-4-8F	(52) 40	1040	73.69	33.38	24.06	20.50	34	5	27.56	23.72	6	900
S85-3-8F	(85) 30	1275	67.25	39.75	30.06	24.00	40	6	31.50	29.81	8	1170
S85-4-8F	(85) 40	1700	73.63	39.75	30.06	24.00	40	6	31.50	29.81	8	1200
S102-3-8F	(102) 30	1530	68.63	42.25	32.06	23.63	41.25	6	31.69	31.81	8	1450
S102-4-8F	(102) 40	2040	79.94	42.25	32.06	23.63	41.25	6	31.69	31.81	8	1600

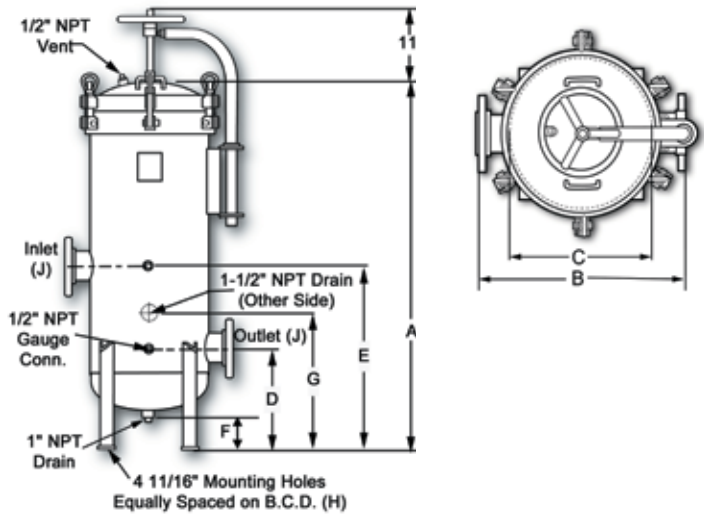
† Add 5 in to this dimension for hydraulic coverlift.

†† Inlet and outlet size standard ASA flanges.

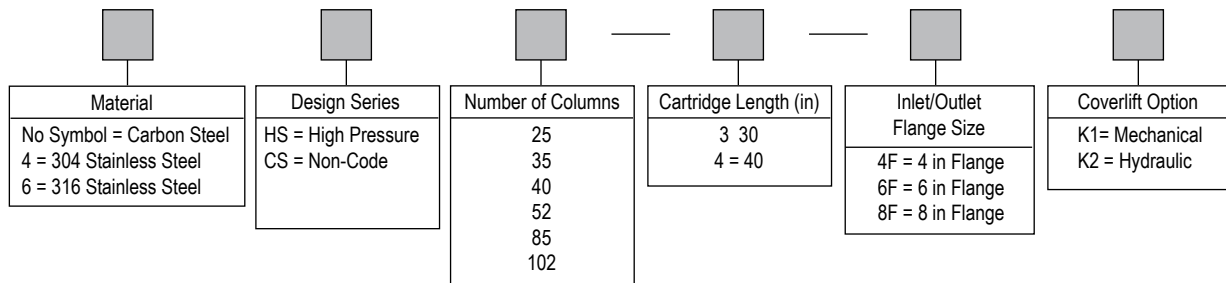
Maximum Operating Conditions

Material of Construction	Maximum Operating Pressure (psi at 250°F) †	Maximum Design Temperature
Carbon Steel	150 psi (10.3 bar)	500°F (260°C)
Carbon Steel	300 psi (20.7 bar)	500°F (260°C)
304 Stainless Steel	150 psi (10.3 bar)	300°F (150°C)
304 Stainless Steel	300 psi (20.7 bar)	300°F (150°C)
316 Stainless Steel	150 psi (10.3 bar)	400°F (204°C)
316 Stainless Steel	300 psi (20.7 bar)	400°F (204°C)

† Operating temperature limited by standard gasket material and exterior paint.



Ordering Information



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ENGINEERING YOUR SUCCESS.

C-3075

Fulflo® MP Filter Vessels

Fulflo® MP (Membrane Protectors) Filter Vessels Protect Membranes by Prefiltering R.O. Feed Water

MP Filter Vessels are ideal for a wide range of filtration applications including prefiltration of brackish, process and sea water. All MP Series vessels are built in accordance with ASME boiler and Pressure Vessel Code, U stamp. All MP vessels have dual purpose bottom seats for use with either double-open-end or 222 O-ring design.



Benefits

- Flow rates from 108 gpm to 3520 gpm
- Pressure ratings from 100 psi (6.9 bar) to 150 psi (10.3 bar)
- 304L or 316L stainless steel
- Stainless steel welded attachments
- Swing bolt closure for quick opening, with hex nuts for use with pneumatic tools
- Optional stainless steel bolting and davit assembly
- Horizontal vessels provide for easy cartridge installation

- Dual purpose cartridge seats for use with double open end and 2-222 O-ring single-open-end cartridges
- Glassbead blasted exteriors
- Passivated interior and exterior surfaces to remove free carbon and protect against corrosion
- Buna-N O-ring closure seal provides positive cover sealing
- Horizontal vessel utilizes removalbe internal cartridge support plate
- Large size clean and dirty drain for uniform piping and valve size

Applications

- Brackish and Sea Water
- Semiconductor Process Water
- Boiler Feed Water
- Reverse Osmosis Prefiltration
- Potable Water
- Electronic Rinse Water
- Deionized Water



ENGINEERING **YOUR** SUCCESS.

Fulflo® MP Filter Vessels

Fulflo® MP Filter Series Throughput
Based on flow of water (in gpm) per 10-inch cartridge

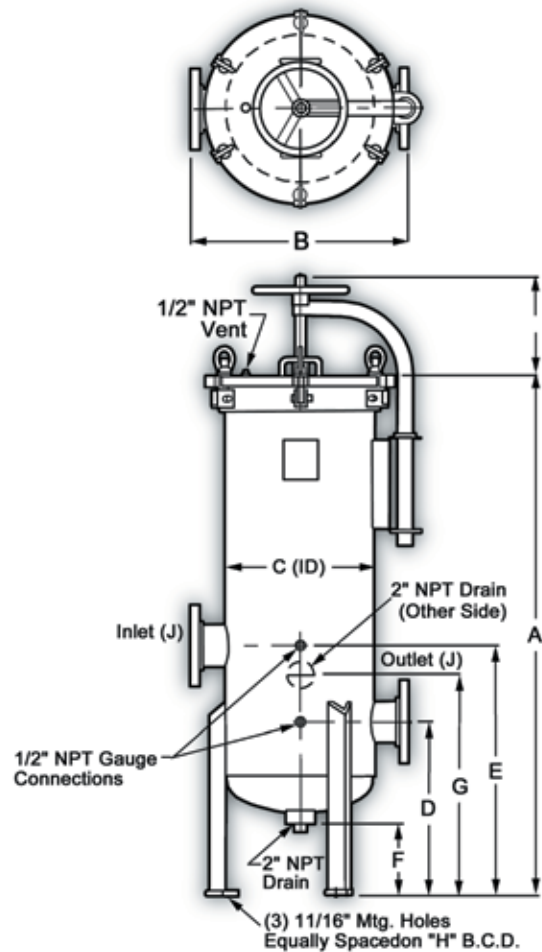
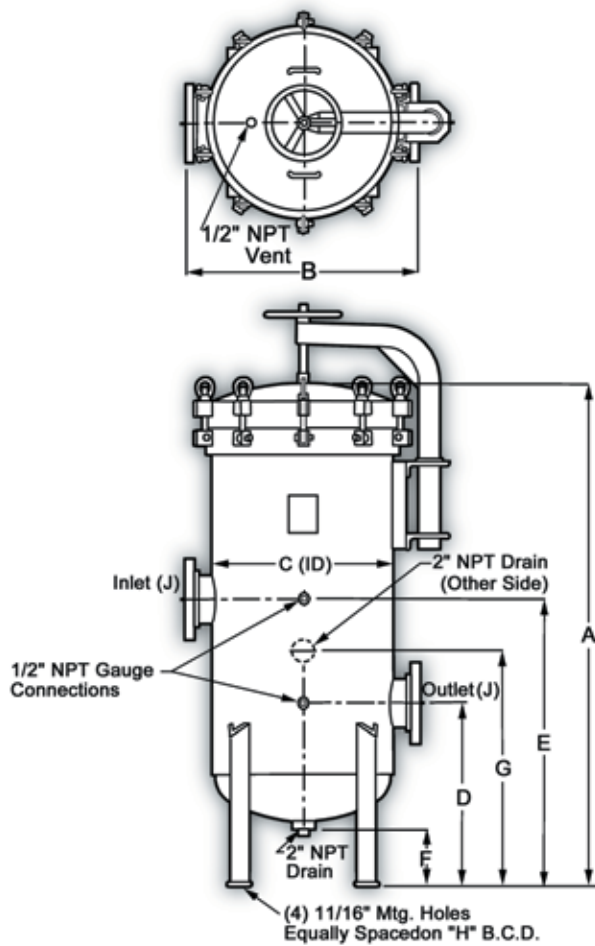
10 inch Cartridges	Filter Model	At 3 gpm** per 10 inch (gpm)* (mgd)		At 3.5 gpm per 10 inch (gpm) (mgd)		At 4.5 gpm per 10 inch (gpm) (mgd)		At 5 gpm per 10 inch (gpm) (mgd)	
VERTICAL VESSELS									
36	MP12-3-3FK1	108	0.2	126	0.2	162	0.2	180	0.3
48	MP12-4-3FK1	144	0.2	168	0.3	216	0.3	240	0.3
63	MP21-3-4FK1	189	0.3	221	0.4	284	0.4	315	0.5
84	MP21-3-4FK1	252	0.4	294	0.5	378	0.5	420	0.6
87	MP29-3-4FK1	261	0.4	305	0.5	392	0.6	435	0.6
105	MP35-3-6FK1	315	0.5	368	0.6	473	0.7	525	0.8
116	MP29-4-6FK1	348	0.5	406	0.7	522	0.8	580	0.8
120	MP40-3-6FK1	360	0.5	420	0.7	540	0.8	600	0.9
140	MP35-4-6FK1	420	0.6	490	0.8	630	0.9	700	1.0
156	MP52-3-6FK1	468	0.7	546	0.9	702	1.0	780	1.1
160	MP40-4-6FK1	480	0.7	560	0.9	720	1.0	800	1.2
208	MP52-4-8FK1	624	0.9	728	1.2	936	1.3	1040	1.5
258	MP86-3-8FK1	774	1.1	903	1.5	1161	1.7	1290	1.9
309	MP103-3-8FK1	927	1.3	1082	1.8	1391	2.0	1545	2.2
344	MP86-4-10FK1	1032	1.5	1204	2.0	1548	2.2	1720	2.5
412	MP103-4-10FK1	1236	1.8	1442	2.4	1854	2.7	2060	3.0
472	MP118-4-12FK1	1416	2.0	1652	2.7	2124	3.1	2360	3.4
704	MP176-4-14FK1	2115	3.0	2464	4.1	3168	4.6	3520	5.1
HORIZONTAL VESSELS									
120	MP40H-3-6FK1	360	0.5	420	0.7	540	0.8	600	0.9
156	MP52H-3-6FK1	468	0.7	546	0.9	702	1.0	780	1.1
160	MP40H-4-6FK1	480	0.7	560	0.9	720	1.0	800	1.2
208	MP52H-4-8FK1	624	0.9	728	1.2	936	1.3	1040	1.5
258	MP86H-3-8FK1	774	1.1	903	1.5	1161	1.7	1290	1.9
309	MP103H-3-8FK1	927	1.3	1082	1.8	1391	2.0	1545	2.2
344	MP86H-4-10FK1	1032	1.5	1204	2.0	1548	2.2	1720	2.5
412	MP103-4-10FK1	1236	1.8	1442	2.4	1854	2.7	2060	3.0
472	MP118H-4-12FK1	1416	2.0	1652	2.7	2124	3.1	2360	3.4
704	MP176H-4-14FK1	2112	3.0	2464	4.1	3168	4.6	3520	5.1

* gpm = gallons per minute; mgd = millions of gallons per day

** Actual flow rate is dependent on fluid viscosity, micron rating, contaminant and media type. Consult flow charts for each application.



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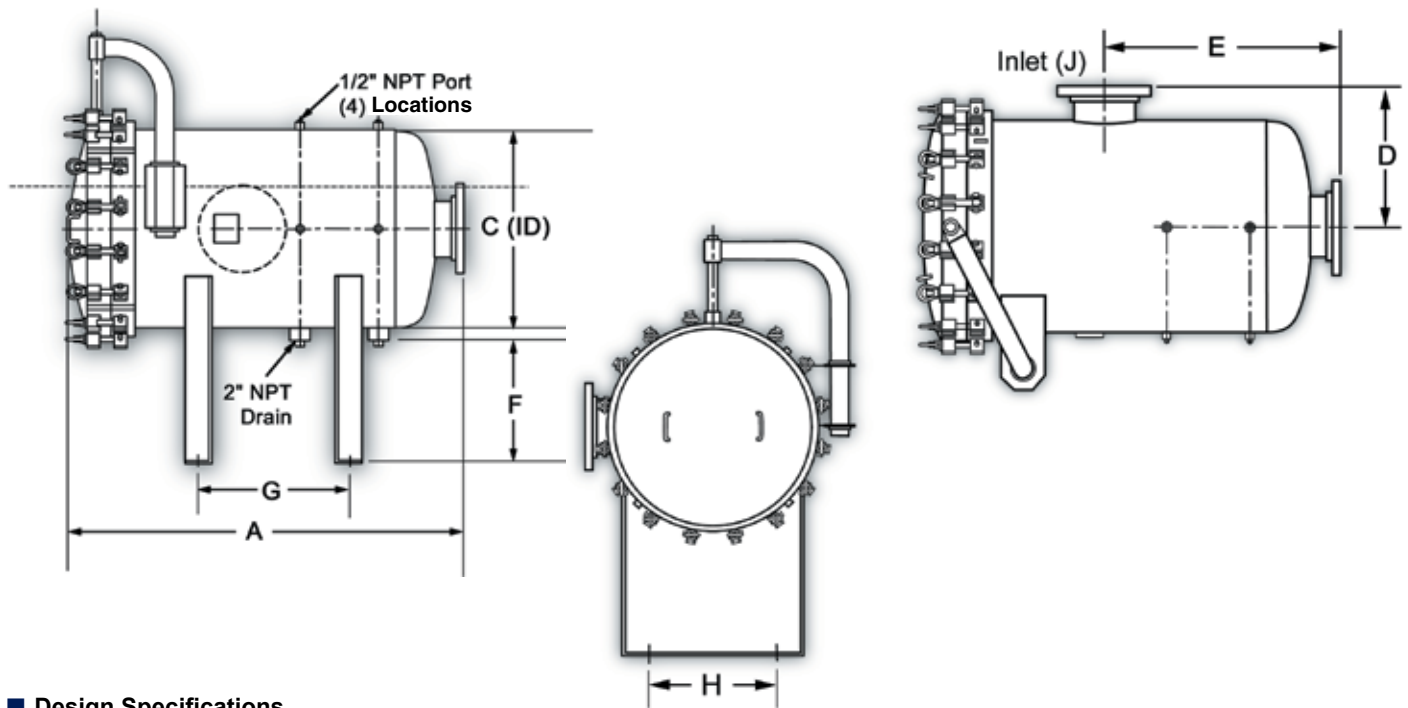


■ Design Specifications

Model	No. & Length of Cartridges (in)	Dimensions (in)			D	E	F	G	H	J	K	Shipping Weight (lbs)
		A	B	C								
MP12-3-3FK1	12 (30)	67.75	20.00	12.813	18.50	27.00	8.00	23.75	12.50	3 NPS	3	390
MP12-4-4FK1	12 (40)	77.75	20.00	12.813	18.50	27.00	8.00	23.75	12.50	4 NPS	3	420
MP21-3-4FK1	21 (30)	68.75	24.00	16.063	19.25	27.75	8.00	24.50	15.75	4 NPS	3	500
MP21-4-4FK1	21 (40)	78.75	24.00	16.063	19.25	27.75	8.00	24.50	15.75	4 NPS	3	530
MP29-3-4FK1	29 (30)	75.25	26.00	18.063	22.00	33.25	8.00	28.25	17.88	4 NPS	3	570
MP29-4-6FK1	29 (40)	85.25	26.00	18.063	22.00	33.25	8.00	28.25	17.88	6 NPS	3	620
MP35-3-6FK1	35 (30)	76.00	28.00	20.063	22.50	34.00	8.00	28.75	19.88	6 NPS	3	650
MP35-4-6FK1	35 (40)	86.00	28.00	20.063	22.50	34.00	8.00	28.75	19.88	6 NPS	3	680
MP40-3-6FK1	40 (30)	77.00	30.00	22.063	23.00	34.25	8.00	29.25	21.88	6 NPS	4	710
MP40-4-6FK1	40 (40)	87.00	30.00	22.063	23.00	34.25	8.00	29.25	21.88	6 NPS	4	750
MP52-3-6FK1	52 (30)	80.75	32.00	24.063	25.50	40.00	8.00	32.75	23.75	6 NPS	4	790
MP52-4-8FK1	52 (40)	90.75	32.00	24.063	25.50	40.00	8.00	32.75	23.75	8 NPS	4	860
MP86-3-8FK2	86 (30)	86.75	40.00	30.063	29.00	46.50	8.00	37.75	30.00	8 NPS	4	1280
MP86-4-10FK2	86 (40)	96.75	40.00	30.063	29.00	46.50	8.00	37.75	30.00	10 NPS	4	1380
MP103-3-8FK2	103 (30)	87.75	42.00	32.063	29.50	47.00	8.00	38.25	32.00	8 NPS	4	1410
MP103-4-10FK2	103 (40)	97.75	42.00	32.063	29.50	47.00	8.00	38.25	32.00	10 NPS	4	1510
MP118-4-12FK2	118 (40)	102.00	46.00	36.063	32.50	52.25	8.00	42.00	35.88	12 NPS	4	1830
MP176-4-14FK2	176 (40)	107.00	54.00	42.063	35.00	57.00	8.00	45.50	42.00	14 NPS	4	2650



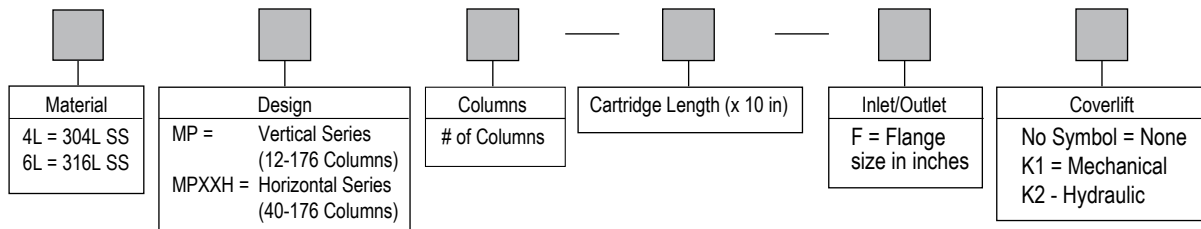
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■ Design Specifications

Model	Elements (in)	Dimensions (in)			D	E	F	G	H	J	Shipping Weight (lbs)
		A	B	C							
MP40H-3-6FKI	40 (30)	55.50	62.00	22.063	15.00	32.00	23.00	23.00	12.00	6 NPS	850
MP40H-4-6FKI	40 (40)	65.50	62.00	22.063	15.00	36.00	23.00	32.00	12.00	6 NPS	880
MP52H-3-6FKI	52 (30)	55.25	63.00	24.063	16.00	32.00	22.00	23.00	14.00	6 NPS	920
MP52H-4-8FKI	52 (40)	65.25	63.00	24.063	16.00	36.00	22.00	32.00	14.00	8 NPS	990
MP86H—3-8FKI	86 (30)	60.25	66.00	30.063	20.00	34.00	19.00	24.00	20.00	8 NPS	1490
MP86H-4-10FKI	86 (40)	68.25	66.00	30.063	20.00	38.00	19.00	32.00	20.00	10 NPS	1560
MP103H-3-8FKI	103 (30)	60.75	67.00	32.063	21.00	34.00	18.00	24.00	22.00	8 NPS	1620
MP103H-4-10FKI	103 (40)	68.75	67.00	32.063	21.00	38.00	18.00	32.00	22.00	10 NPS	1700
MP118H-4-12FKI	118 (40)	72.00	69.00	36.063	23.00	40.00	16.00	32.00	26.00	12 NPS	2040
MP176H-4-14FKI	176 (40)	74.75	72.00	42.063	27.00	41.00	13.00	32.00	32.00	14 NPS	2820

Ordering Information



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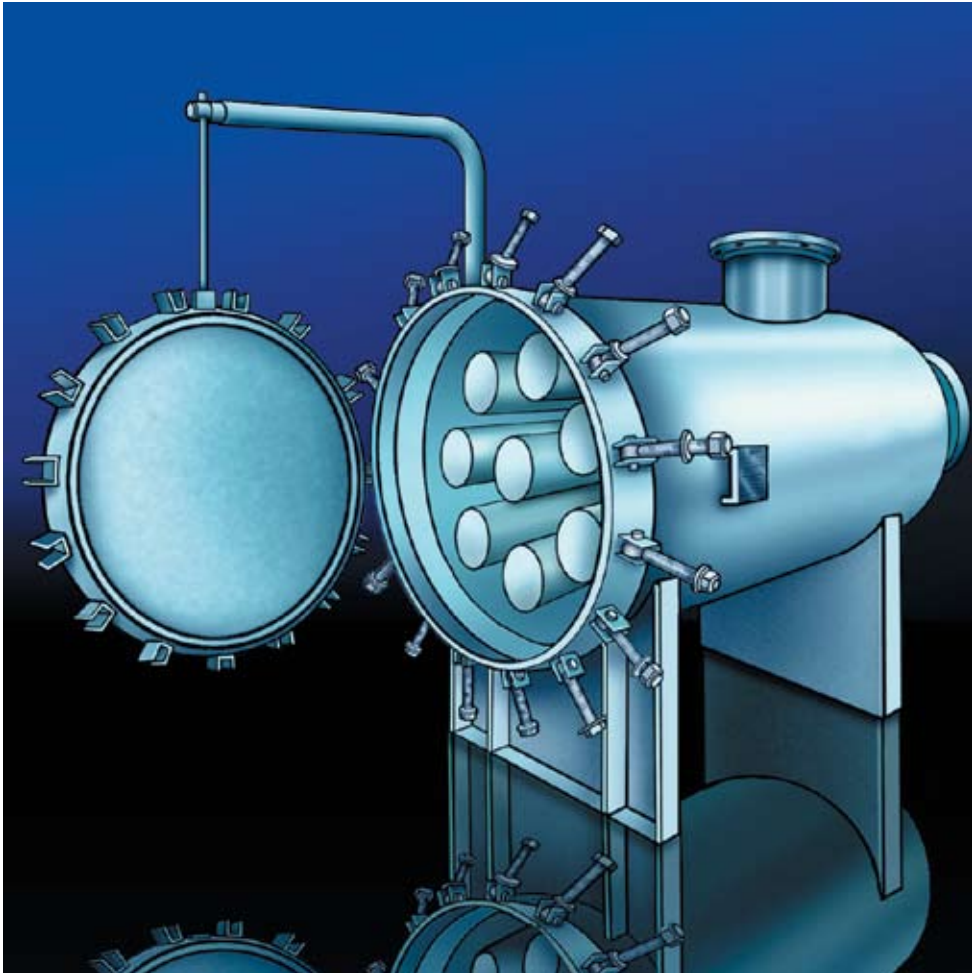
ENGINEERING YOUR SUCCESS.

C-3076

Fulflo® Mega Flow Filter Vessels

Vessels for High Flow Capacity MegaFlow Filter Cartridges

MegaFlow™ vessels are designed to accept MegaFlow™ filter cartridges that handle up to 175 gpm (662 lpm) each. They provide significant size and capital cost reduction compared with vessels containing conventional size filter cartridges. The horizontal design and coreless cartridge configuration make cartridge change fast and easy. Models are available for flow rates up to 3325 gpm (12,586 lpm).



Benefits

- Horizontal design makes cartridge change practically effortless
- Vessels have slight pitch to prevent liquid from spilling when opening cover
- Permanent internal perforated post supports cartridges and eliminates loose internal parts
- Cartridges have internal O-ring for positive seal
- Cartridge top is located flush with cover to facilitate cartridge change
- Inlet connection is below cartridges to prevent impingement on media

- Built to ASME Boiler And Pressure Code to insure integrity
- Available in carbon steel, 304L stainless steel and 316L stainless steel for a wide variety of applications
- O-ring cover seal for quick and positive vessel cover sealing
- Cover locating pin for quick and accurate alignment
- Available in 150 PSI and 300 PSI pressure ratings

Applications

- Reverse Osmosis Filtration
- Potable Water
- Process Water
- Edible Oils
- Lubricants
- Coolants
- Cutting Oils
- Solvents
- Chemicals



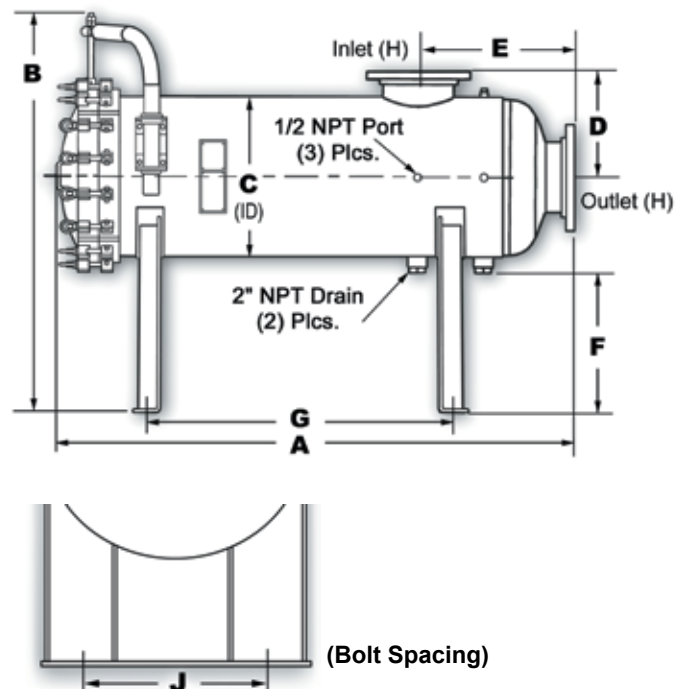
ENGINEERING **YOUR** SUCCESS.

Fulflo® Mega Flow Filter Vessels

Design Specifications

Material of Construction	Design Pressure	Maximum Design Temperature*
Carbon Steel	150 psi (10.3 bar)	250°F (121°C)
Carbon Steel	300 psi (20.7 bar)	250°F (121°C)
304L Stainless Steel	150 psi (10.3 bar)	250°F (121°C)
304L Stainless Steel	300 psi (20.7 bar)	250°F (121°C)
316L Stainless Steel	150 psi (10.3 bar)	250°F (121°C)
316L Stainless Steel	300 psi (20.7 bar)	250°F (121°C)

* Operating temperature limited by standard gasket material and exterior paint.



Reference Dimensions

Model	Elements	A	B	C	D	E	F	G	H	J	Flow GPM	Shipping Weight
MF02	2	69.31	57.44	14.063	11.25	20.00	27.09	46.00	6 NPS	8.00	250	615
MF03	3	69.81	58.44	16.063	12.25	21.00	26.09	46.00	6 NPS	8.00	525	715
MF04	4	75.20	58.00	18.063	13.25	22.00	25.09	48.00	8 NPS	10.00	700	790
MF05	5	75.47	59.00	20.063	14.25	22.00	24.09	48.00	8 NPS	12.00	875	920
MF07	7	78.73	60.00	22.063	15.25	24.00	23.09	48.00	10 NPS	12.00	1225	1120
MF08	8	79.00	61.00	24.063	16.25	24.00	22.09	48.00	10 NPS	14.00	1400	1245
MF12	12	85.93	64.06	30.063	20.25	28.00	19.03	52.00	12 NPS	20.00	2100	1915
MF15	15	92.95	65.06	32.063	21.50	30.00	18.03	54.00	14 NPS	22.00	2625	2175
MF19	19	95.32	73.31	36.063	23.75	34.00	22.03	56.00	16 NPS	26.00	3325	2870

Actual flow rate is dependent on fluid viscosity, micron rating, contaminant, media type and inlet velocity.

Consult media flow charts for each application.

Shipping weights and dimensions are for 150 PSIG nominal design only.

Ordering Information

MF

Material	Design	Cartridge Qty.	Vessel Orientation	Inlet/Outlet Size	Inlet/Outlet Connection Type	Finish
C = Carbon Steel G = 304L Stainless Steel S = 316L Stainless Steel	N = Non-Code U = ASME Code	01-1 Cartridge 02-2 Cartridges 03-3 Cartridges 04-4 Cartridges 05-5 Cartridges 07-7 Cartridges 08-8 Cartridges 12-12 Cartridges 15-15 Cartridges 19-19 Cartridges	V - Vertical H - Horizontal	06 = 6" 08 = 8" 10 = 10" 12 = 12" 14 = 14" 16 = 16"	F = ANSI 150 lb. flange H = ANSI 300 lb. flange	C - Painted B - Glass Bead Blast P - Passivated E - Electropolished

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ENGINEERING YOUR SUCCESS.

C-3140

Fulflo® FE Filter Vessels

FE Model Cartridge Filter Vessels Designed for Economical Filtration of Liquids and Gases

The FE Filter Vessel Series accommodates double-open-end (DOE) and single-open-end (SOE) filter cartridges in 10 in, 20 in and 30 in lengths.



Benefits

- Single O-ring design closure assures quick, positive cover sealing
- Swing bolts with eye-nuts for fast, easy opening and closing of cover
- Maximum design pressure is 150 psig (10.3 bar) at 450°F* (232°C) and 200 psig at 100°F (38°C) plus full vacuum
- Buna-N O-ring standard with EPR, Viton* and fluoropolymer available
- Dual purpose cartridge seats for use with double open end and 2-222 O-ring single open end cartridges
- ASME Code UM stamp is standard (U stamp is optional)
- Threaded vent and drain connections
- Adjustable leg height
- Threaded or flanged inlet and outlet
- Side inlet; cover opens without disconnecting piping
- Side inlet, bottom outlet and crevice-free welded design provide a smooth interior for easy wash-out and cleaning

Applications

- Potable Water
- Process Water
- Coatings
- Lubricants
- Coolants
- Cutting Oils
- Solvents



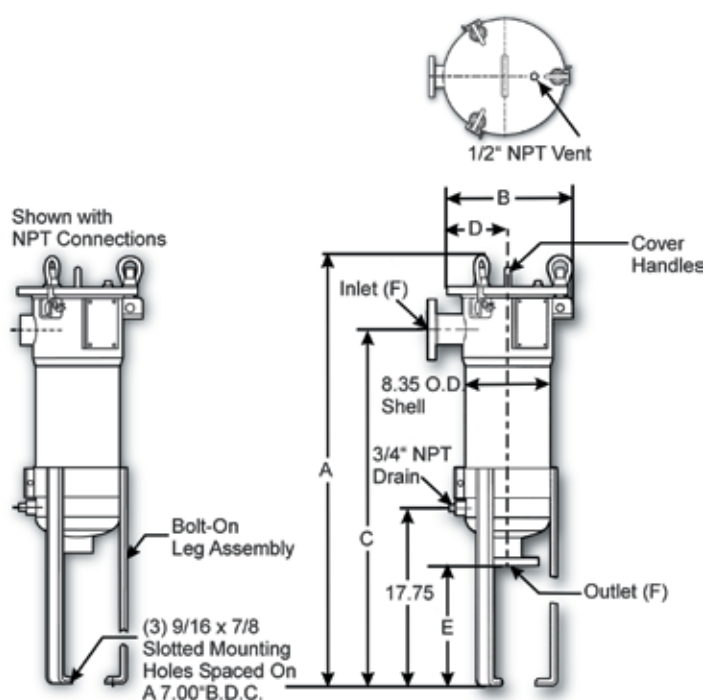
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Fulflo® FE Filter Vessels

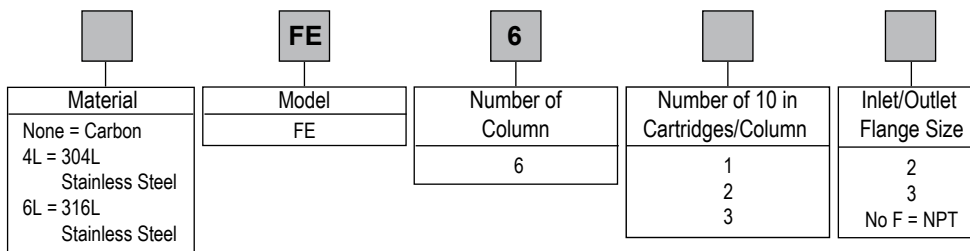
Design Specifications

Model	No. & Length of Cartridges (in)	Aqueous Flow† (gpm)	Typical Dimensions (in)	Typical Dimensions (in)						Shipping Weight (lbs)
				A	B	C	D	E	F	
FE6-1-2	6 (10)	30	33.00	12.25	25.56	5.75	13.19	2 NPT	82	3.6
FE6-1-2F	6 (10)	30	33.00	14.50	25.56	8.00	12.00	2 NPS	90	3.6
FE6-2-2	6 (20)	60	43.06	12.25	35.63	5.75	13.19	2 NPT	87	5.4
FE6-2-2F	6 (20)	60	43.06	14.50	35.63	8.00	12.00	2 NPS	95	5.4
FE6-3-2	6 (30)	90	53.13	12.25	45.69	5.75	13.19	2 NPT	92	7.8
FE6-3-2F	6 (30)	90	53.13	14.50	45.69	8.00	12.00	2 NPS	100	7.8
FE6-3-3F	6 (30)	90	53.13	14.50	45.69	8.00	11.75	3 NPS	110	7.8

† Actual rate is dependent on fluid viscosity, micron rating, contaminant and media type. Consult flow charts for each application.



Ordering Information



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ENGINEERING YOUR SUCCESS.

C-3160

Fulflo® FP Filter Vessels

Fulflo® FP Model Cartridge Filter Vessels Designed for Economical Liquid Filtration

The FP Filter Vessel Series is designed for use with the Fulflo® Flo-Pac® 718 and 736 Pleated Filter Cartridge Series.



Benefits

- Single O-ring design closure assures quick, positive cover sealing.
- Swing bolts with eyenuts for fast, easy opening and closing of cover
- Maximum design pressure is 150 psi (10.3 bar) at 450°F* (232°C) and 200 psig at 100°F (38°C) plus full vacuum
- Buna-N O-ring standard with EPR, Viton** and fluoropolymer available
- ASME Code UM stamp is standard (U stamp is optional)

- Threaded vent and drain connections
- Adjustable leg height
- Threaded or flanged inlet and outlet options
- Side inlet, bottom outlet and crevice-free welded design provide a smooth interior for easy wash-out and cleaning

Applications

- Process Water
- Coatings
- Lubricants
- Coolants
- Cutting Oils
- Solvents
- EDM



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Fulflo® FP Filter Vessels

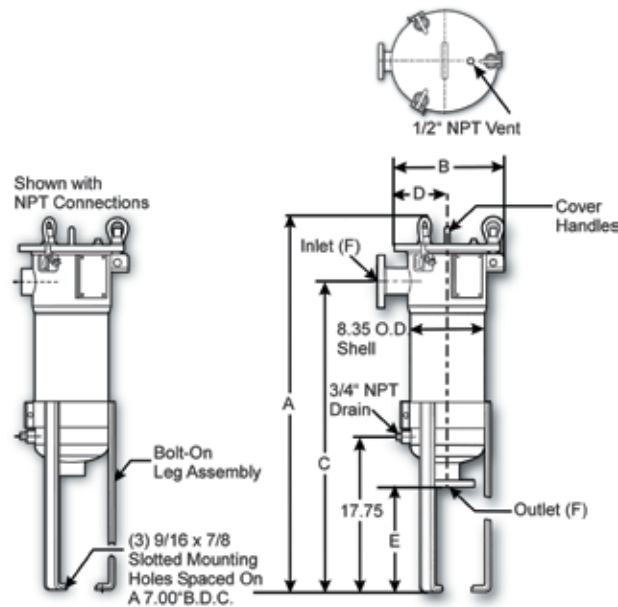
Design Specifications

Model Volume	No. & Length of Cartridges (in)	Typical Aqueous Flow † (gpm)	Dimensions (in)						Shipping Weight (lbs) (gal)
			A	B	C	D	E	F	
FP1-1-2	(1) 18	50	42.56	12.25	35.13	5.75	13.19	2 NPT	112 5.5
FP1-1-2F	(1) 18	50	42.56	14.50	35.13	8.00	12.00	2 NPS	120 5.5
FP1-2-2	(2) 18	100	60.56	12.25	53.13	5.75	13.19	2 NPT	132 9.6
FP1-2-2F	(2) 18	100	60.56	14.50	53.13	8.00	12.00	2 NPS	140 9.6
FP1-2-3F	(2) 18	100	60.56	14.50	53.13	8.00	11.75	2 NPS	150 9.6

(F) NPS - ANSI Class 150# Slip-On Flanges

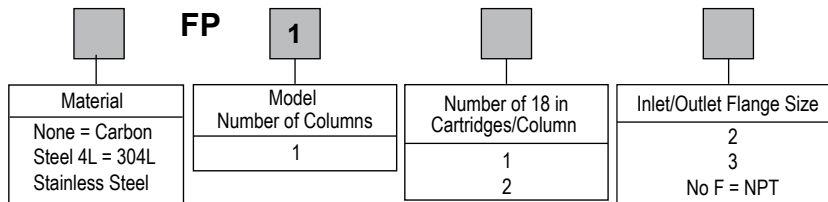
(F) NPT - ANSI Class 300# Threaded Couplings

†Actual rate is dependent on fluid viscosity, micron rating, contaminant and media type. Consult flow charts for each application.



* Operating temperature limited to 250°C (121°F) by standard Buna-N O-Ring and exterior paint on carbon steel models. Optional O-Ring materials are available.

Ordering Information



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ENGINEERING **YOUR** SUCCESS.

C-4020

Fulflo® CPM Oil Filter Vessels

Steel Single Element Filter Vessel Series

The light, compact oil filtration solution. The Fulflo® CPM Vessel Series of single element oil filters is designed for high efficiency and economical operation in oil reclamation and maintenance applications. The compact design makes the CPM vessel series easy to mount on equipment or on the floor to conserve space. The adjustable legs offer installation flexibility by allowing various inlet elevations and nozzle orientations.



Benefits

- Single O-ring design closure assures quick, positive cover sealing
- Swing bolts for fast, easy and safe opening and closing of cover
- Pivot pin cover allows cover to remain attached when opened
- Adjustable leg height

Applications

- Hydraulic oils
- Quench Oils
- Engine & Compressor Lube Oils
- Cutting Oils
- Coolants
- EDM Liquids



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Fulflo® CPM Oil Filter Vessels

Specifications

Maximum Recommended Operating Conditions:

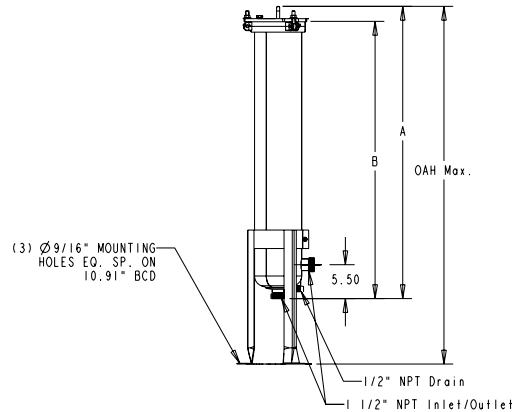
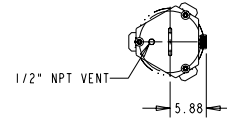
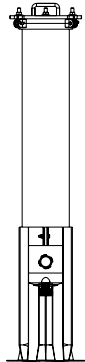
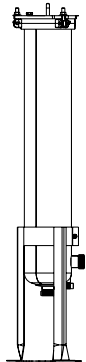
175 psi (12 bar) at 250°C(121°F)

- Buna-N O-Ring standard with optional EPR and Viton*
- Carbon steel vessel construction
- Zinc plated bolting and legs for corrosion resistance

Cartridge Configuration Supported

Filter Element	Series Number	Operating Temperature
Fulflo® Flo-Pac & Flo-Pac+®	718, 736	250°F (121°C)
TruBind®	700	150°F (65°C) @ 20 psid (1.4 bar) 180°F (82°C) @ 10 psid (0.7 bar)

Model	Number of 18" Elements Per Column	Typical Aqueous Flow ¹ (gpm)	A	B	C	Shipping Weight (lbs)
CPM1-1.5	1	30	29.44	27.00	40.66	58
CPM2-1.5	2	60	47.44	45.00	58.06	75



Ordering Information

CPM

Number of 18 in Elements	
Code	Quantity
1	1
2	2

Inlet/Outlet Flange Size	
Code	Description
15	1.5 MNPT (external thread)

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ENGINEERING YOUR SUCCESS.

C-4030

Fulflo® P Filter Vessel

High Efficiency and High Flow Rate with Fulflo® P Vessel Series

Fulflo® P Series Multi-Cartridge Filter Vessels are designed for high flow rate where the contaminants can be effectively removed by pleated paper (surface type) media.

The P Vessel Series is designed for use with the Fulflo® Flo-Pac® 718 and 736 pleated filter cartridge series.

TruBind® 700 Series absorbent cartridges also fit these vessels.



Benefits

- Designed and fabricated in accordance with the ASME Boiler and Pressure Vessel Code, U or UM stamp with 150 psi (10.3 bar) rating at 250°F (121°C)
- Non-code design and construction (parallel to code standards) available
- Mechanical coverlifts
- Designed for minimum pressure drop
- Cartridge capacity from 1 to 18 cartridges

- All P models feature swing bolts for easier cleaning and servicing
- O-ring seals provide positive closure sealing
- Standard Buna-N seal with optional Viton* elastomer, neoprene, ethylene propylene rubber and fluoropolymer elastomer O-rings
- Optional hydraulic coverlifts

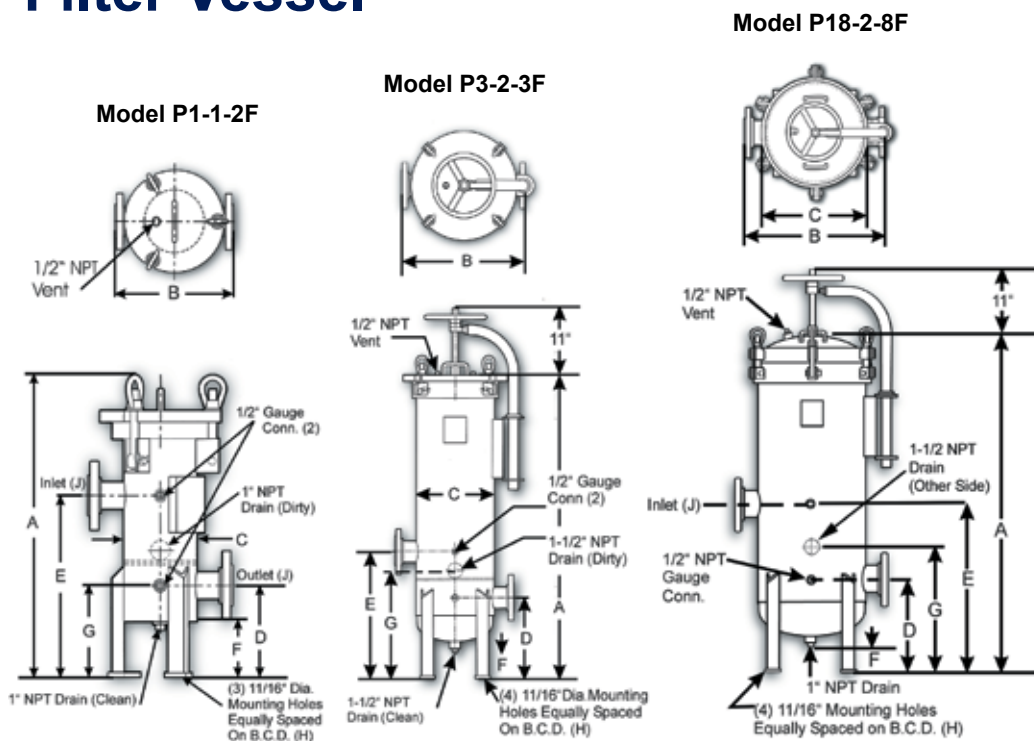
Applications

- Fuels
- Lubricating Oils
- Solvents
- Coolants
- Refineries
- Hydraulic Oils
- Rolling Mill Oils
- Processing Liquids



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Fulflo® P Filter Vessel



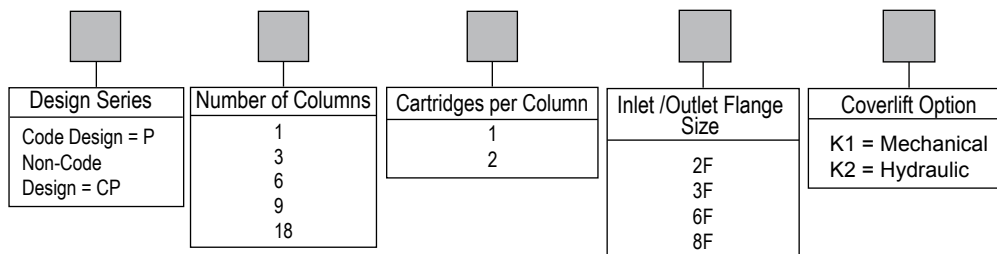
Reference Dimensions

Model	Number & Length of Cartridges (in)	Maximum flow (GPM)	Dimensions (in)									Shipping Weight (lbs)
			A	B	C	D	E	F	G	H	J	
P1-1-2F	1 (18)	50	36.13	14.88	8.63	8.19	16.19	5.06	11.31	7.81	2	180
P1-2-2F	1 (36)	100	54.13	14.88	8.63	8.19	16.19	5.06	11.31	7.81	2	200
P3-1-3F	3 (18)	150	38.74	22.50	15.06	13.38	21.00	5.00	17.88	14.75	3	405
P3-2-3F	3 (36)	300	57.31	22.50	15.06	13.38	21.00	5.00	17.88	14.75	3	465
P6-2-6F	6 (36)	600	65.00	29.25	20.06	16.50	31.00	5.00	22.56	19.75	6	790
P9-2-6F	6 (36)	900	67.19	33.38	24.06	18.00	31.00	6.00	24.19	23.75	6	985
P18-2-8F	18 (36)	1800	76.06	42.25	32.06	23.63	41.25	6.00	31.69	31.81	8	1570

Actual flow rate is dependent on fluid viscosity, micron rating, contaminant and media type. Consult flow charts for each application. Shipping weights and dimensions are for 150 psig nominal design only.

+Add 5" to this dimension for hydraulic coverlift

Ordering Information



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ENGINEERING YOUR SUCCESS.

Bag Filter Vessel Series

C-5000

Fulflo® SB Filter Vessels

High Flow Rates and High Solids Retention Capability With Fulflo® SB Series ASME Code Single and Multiple Bag Vessels

Constructed to handle flow rates of up to 1120 gpm (4240 lpm), the Fulflo® SB Series of bag and strainer filter vessels provides excellent filtration in a wide range of industrial and chemical applications. All details of design, materials, construction and workmanship of the SB Vessel Series conform to ASME code and are available in non-code design and construction.



Benefits

- Accepts "C" style flex band bags for optimized independent seal
- Built in accordance with ASME (U or UM stamp) Boiler and Pressure vessel code
- Non-code design and construction (parallel code standards) available
- Maximum design pressure is 150 psi (10.3 bar) or 300 psi (20.7 bar)
- Available in carbon steel, 304 stainless steel, or 316 stainless steel
- Single O-ring seal closure design assures quick, positive cover seal
- Swing bolts with hexnuts for fast, easy opening and closing of cover
- Buna-N standard O-ring with Viton* elastomer, neoprene, ethylene propylene rubber and fluoropolymer elastomer O-rings also available
- Positive bag media seal prior to sealing housing

Applications

- Potable Water
- Process Water
- Coatings
- Lubricants
- Coolants
- Cutting Oils
- Solvents



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Fulflo® SB Filter Vessels

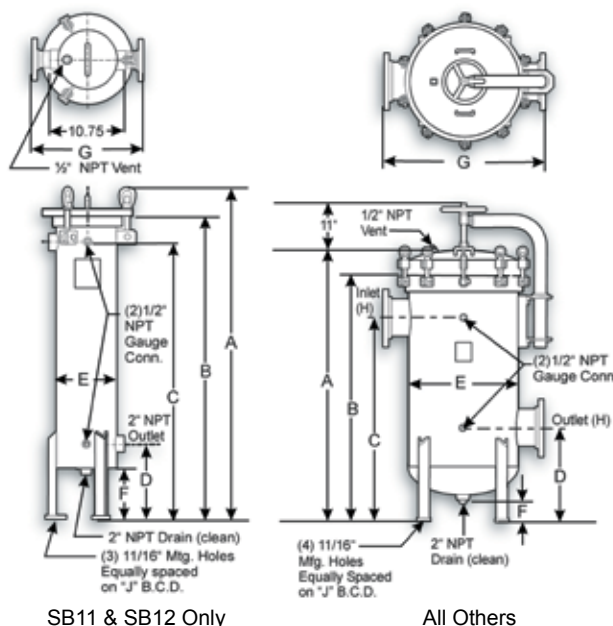
Design Specifications

Model	Maximum Flow† (gpm)	Dimensions (in)									Shipping Weight (lbs)
		A	B	C	D	E	F	G	H	J	
SB11-2	80	34.88	30.69	26.75	10.75	8.63	7.31	10.75	2.00	7.81	180
SB11-2F	80	34.88	30.69	26.75	10.75	8.63	7.31	14.88	2.00	7.81	180
SB12-2	160	47.88	43.69	39.75	10.75	8.63	7.31	10.75	2.00	7.81	200
SB12-2F	160	47.88	43.69	39.75	10.75	8.63	7.31	14.88	2.00	7.81	200
SB12-3F	160	48.81	44.63	40.00	10.75	8.63	7.31	16.00	2.00	7.81	200
SB31-3FK1	240	43.00	38.25	32.00	17.00	18.44	6.00	26.00	3.00	17.75	600
SB32-4FK1	480	56.00	51.25	45.00	17.00	18.44	6.00	26.00	4.00	17.75	650
SB41-4FK1	320	43.50	38.63	32.00	17.00	20.44	6.00	28.00	4.00	19.79	670
SB42-4FK1	640	56.50	51.63	45.00	17.00	20.44	6.00	28.00	4.00	19.79	720
SB42-6FK1	640	60.19	55.13	47.00	18.00	20.44	6.00	30.00	6.00	19.79	740
SB52-6FK1	800	60.50	54.50	45.00	20.00	22.44	6.00	30.00	6.00	21.71	700
SB62-8FK1	960	64.00	58.00	48.00	22.00	26.00	5.00	36.00	8.00	25.30	1105
SB72-6FK1	1120	59.75	53.75	45.00	20.00	26.00	5.00	34.00	6.00	25.30	1070
SB72-8FK1	1120	64.00	58.00	48.00	22.00	26.00	5.00	36.00	8.00	25.30	1105
SB82-8FK1	1440	64.56	58.00	48.00	23.25	28.44	5.00	38.00	8.00	27.88	1180
SB92-8FK1	1440	66.75	60.00	50.00	24.00	30.56	6.00	40.00	8.00	29.80	1180

† Actual flow rate is dependent on fluid viscosity, micron rating, contaminant and media type. Consult flow charts for each application.

Material of Construction	Maximum Operating Pressure (psi at 250°F)†	Maximum Design Temperature*	Config.
Carbon Steel	150 psi (10.3 bar)	500°F (260°C)	SB
Carbon Steel	300 psi (20.7 bar)	500°F (260°C)	HSB
304 Stainless Steel	150 psi (10.3 bar)	300°F (150°C)	SB
304 Stainless Steel	300 psi (20.7 bar)	300°F (150°C)	HSB
316 Stainless Steel	150 psi (10.3 bar)	400°F (204°C)	SB
316 Stainless Steel	300 psi (20.7 bar)	400°F (204°C)	HSB

† Operating temperature limited by standard gasket material and exterior paint.



Ordering Information

Material	Design Series	SB	Number of Bags	Bag Length	Inlet/Outlet Flange Size	Coverlift Option
No Symbol = Carbon Steel 4 = 304 Stainless Steel 6 = 316 Stainless Steel	H = 300 PSI C = Non-Code Design No Symbol = Code	Standard Bag Design Series SB = 1 Bag or Multiple Bags	1 3 4 5 6 7 8 9	1 = Single 2 = Double	F = Flange No Symbol = NPT 2 = 2 in Flange 3 = 3 in Flange 4 = 4 in Flange 6 = 6 in Flange 8 = 8 in Flange	K1 = Mechanical K2 = Hydraulic No Symbol = None

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C-5002

Fulflo® FB Filter Vessels

FB Model Bag Filter Vessels Designed for Economical Filtration of Liquids and Gases

The Fulflo® FB Series of bag and strainer filter vessels provides excellent filtration in a wide range of industrial and chemical applications. All details of design, materials, construction and workmanship of the FB Vessel Series conform to ASME code and are available in non-code design and construction.

Benefits

- Single O-ring design closure assures quick, positive cover sealing (O-rings are not required to seal filter bags.)
- Swing bolts with eyenuts for fast, easy opening and closing of cover
- Buna-N O-ring standard with EPR, Viton* and fluoropolymer available
- Maximum design pressure is 150 psi (10.3 bar) at 450°F** (232°C)
- ASME Code UM stamp is standard (U stamp is optional)
- Threaded vent and drain connections
- Adjustable leg height. Threaded or flanged inlet and outlet



- Side inlet; cover opens without disconnecting piping
- Side inlet, bottom outlet and crevice-free welded design provide a smooth interior for easy wash-out and cleaning
- Hinged cover for easy opening
- Positive seal of "C" style flex band bags prior to closing the vessel cover
- Optional hold-down assembly for conversion to "G" style bag media seal available.

Applications

- Potable Water
- Process Water
- Coatings
- Lubricants
- Coolants
- Cutting Oils
- Solvents



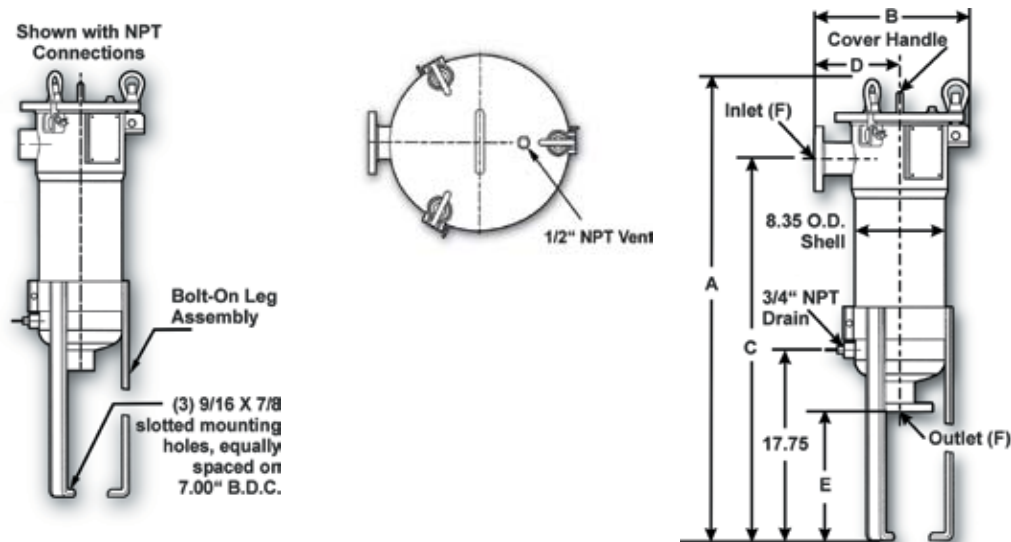
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Fulflo® FB Filter Vessels

Design Specifications

Model	Bag Style	Typical Aqueous Flow† (gpm)	Dimensions (in)						Shipping Weight (lbs)(gal)	
			A	B	C	D	E	F		
FB11-2	Single	80	43.06	12.25	35.63	5.75	13.19	2 NPT	90	5.4
FB11-2F	Single	80	43.06	14.50	35.63	8.00	12.00	2 NPS	100	5.4
FB12-2	Double	160	53.94	12.25	46.50	5.75	13.19	2 NPT	95	7.8
FB12-2F	Double	160	53.94	14.50	46.50	8.00	12.00	2 NPS	105	7.8
FB12-3F	Double	160	53.94	14.50	46.50	8.00	11.75	3 NPS	115	.8

† Actual flow rate is dependent on fluid viscosity, micron rating, contaminant and media type. Consult flow charts for each application.



** Operating temperature limited to 250°C (121°F) by standard Buna-N O-Ring and exterior paint on carbon steel models. Optional O-Ring materials are available.

Ordering Information

■	FB	—	■
Material	Media Requirement		Inlet/Outlet Flange Size
No Symbol = Carbon Steel 4L = 304L Stainless Steel 6L = 316L Stainless Steel	11 = One Single Bag 12 = One Double Bag		2 3 No F = NPT

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C-5006

Fulflo® CB Filter Vessels

CB Model Bag Filter Vessels are Designed for Economical Filtration of a Wide Variety of Industrial Liquids

The CB bag filter vessel series is an economical design that features the integrity of a bolted closure. The CB series is available in either carbon steel or 304 or 316 stainless steel. Both models have zinc plated closure bolts and zinc plated legs for corrosion resistance. The integral basket support provides a smooth interior for easy cleaning and bag installation. The CB is for use with either single or double length bags with flex type bag bands and can also be used with solid ring and plastic ring bags by using the optional bag sealing insert and adding an O-ring under the basket rim. The adjustable legs offer installation flexibility by allowing various inlet elevations and nozzle orientations.

Benefits

- Single O-ring design closure assures quick, positive cover sealing
- Swing bolts for fast, easy and safe opening and closing of cover
- Buna-N O-ring standard with optional EPDM and Viton*
- Maximum design pressure is 175 psi (12 bar) at 250°F** (121°C)
- Good manufacturing practice industrial design
- Threaded vent and drain connections
- Carbon steel with zinc plated support basket or 304SS with 316SS support basket
- Adjustable leg height
- Side inlet allows cover to open without disconnecting piping



- Integral basket support design provides a smooth interior for easy wash-out and cleaning
- Pivot pin cover allows cover to remain attached when opened
- Positive seal of "C" style flex band bags prior to closing the vessel cover
- Optional hold-down assembly for conversion to solid ring ("G" style) and plastic ring ("Q" style) bags
- Zinc plated closure bolts and legs for corrosion resistance

Applications

- Potable Water
- Solvents
- Process Water
- Lubricants
- Cutting Oils
- Coolants
- Coatings



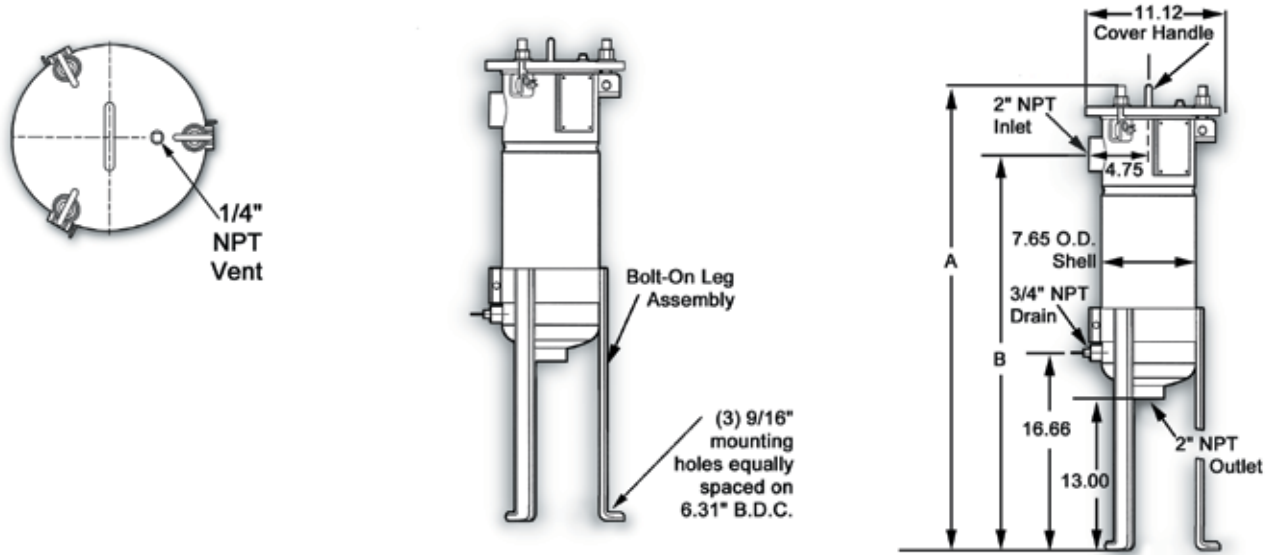
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Fulflo® CB Filter Vessels

Design Specifications

Model	Bag Style	Typical Aqueous Flow† (gpm)	Dimensions		Shipping Weight (lbs)	Volume (gallons)
			A	B		
CB11-2	Single	80	40.50	33.25	65	4.3
CB12-2	Double	160	55.50	48.25	90	7.2

† Actual flow rate is dependent on fluid viscosity, micron rating, contaminant and media type. Consult flow charts for each application.



** Operating temperature limited to 250°C (121°F) by standard Buna-N O-Ring and exterior paint on carbon steel models. Optional O-Ring materials are available.

Ordering Information

■	CB	■	—	■
Material	Media Requirement	Inlet/Outlet Flange Size		
No Symbol = Carbon Steel 4 = 304L Stainless Steel 6 = 316L Stainless Steel	11 = One Single Bag 12 = One Double Bag	2"		

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