

BF Multi-Bag Filter Housing

The 3L Filters™ BF Series multi-bag filters provide economical bulk filtration for liquids. The BF is sized from 3 to 6 bags, larger housings are available within our capabilities, and accommodates replaceable filter bags to remove particulates down to 1 micron.

Applications

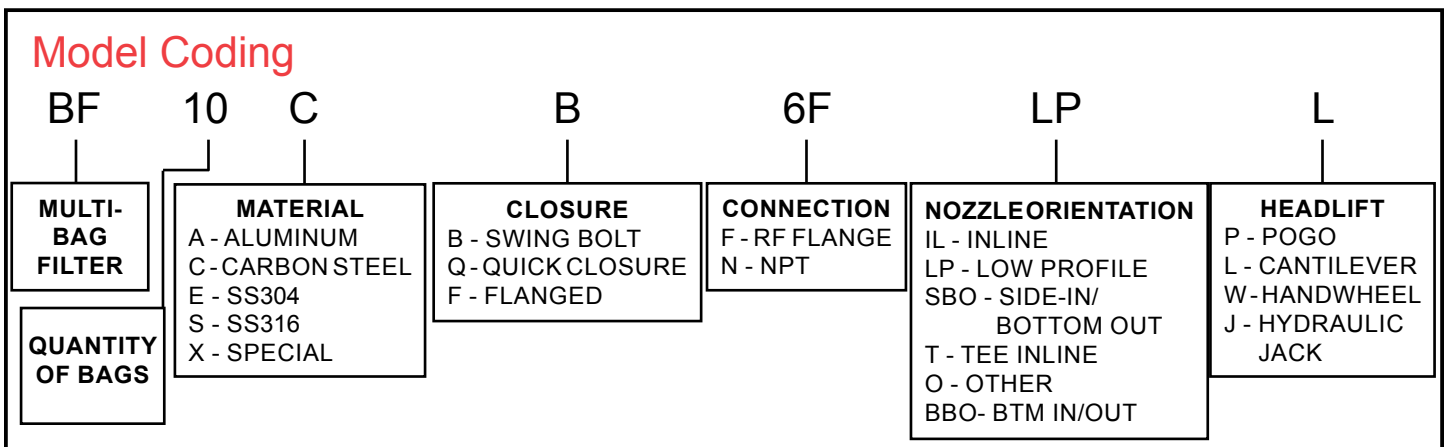
Filtration for liquids such as paints, inks, coolants, water, solvents, glues, recycled oils and beverages.

Standard Features

- designed to ASME Section VIII Div.1 & 2
- 150 psig standard design pressure
- -20°F to 150°F (-29°C to 66°C) standard design temperature
- 150 lb ANSI RF flanged inlet/outlet
- 3000 lb NPT couplings for vent, drain and pressure gauge connections
- housing of carbon steel material
- perforated stainless steel (SS304 or SS316) basket construction
- housing dimensions under 12" (305 mm) utilize handles, not headlifts
- 3L Pogo (spring-assisted) headlift on housing diameters 8" to 18" (203 mm to 457 mm); hydraulic Jack on housing diameters over 18" (457 mm)
- quick access to replace bags
- standard Swing Bolt closures
- O-ring closure seal
- external primer finish for carbon steel housing

Options & Accessories

- custom design pressures to 3000 psig
- custom flange rating
- custom housing materials
- optional headlifts: handwheel or 3L Cantilever
- optional closures: Thru-Bolt or patented Easy Access Closure
- O-ring closure seal in Buna, Viton®, Teflon®, Silicone or EPDM
- internal epoxy coating on carbon steel models
- electropolishing of stainless steel housings
- passivation of stainless steel housings
- paint or coating to customer specification
- additional nozzles as needed
- valves
- safety relief valves
- pressure gauges
- sampling probe
- duplex or multiplex arrangement
- working platform
- rubber, PVC, PVDF and other internal linings



BF

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Fig.	Model No.	Bag Qty	A Vessel OD in (mm)	B		C in (mm)	D in (mm)	E in (mm)	G in (mm)	H in (mm)	L in (mm)	Inlet/ Outlet (RF)	Vent Safety Drains (NPT)	Press. Gauge (NPT)	GPM (US)	Weight lbs (kg)
				B1 in (mm)	B2 in (mm)											
1	BF3CB3FLPP	3	18 (457)	27.5 (699)	13.25 (337)	45.5 (1156)	55 (1397)	75.0 (1905)	15 (381)	10 (254)	10 (254)	3"	3/4"	1/2"	525	700 (318)
1	BF4CB4FLPP	4	22 (559)	27.5 (699)	15.75 (400)	48.5 (1232)	58 (1473)	78.0 (1981)	17 (432)	13 (330)	12 (305)	4"	3/4"	1/2"	700	875 (297)
1	BF6CB6FLPP	6	24 (610)	27.5 (699)	16.75 (425)	49.0 (1245)	60 (1524)	78.5 (1994)	18 (457)	15 (381)	12 (305)	6"	3/4"	1/2"	1050	1175 (533)
1	BF8CB6FLPJ	8	30 (762)	28.5 (724)	16.75 (425)	50.5 (1283)	64 (1626)	80.0 (2032)	21 (533)	19 (483)	12 (305)	6"	3/4"	1/2"	1400	1250 (567)
1	BF10CB8FLPJ	10	36 (914)	32.5 (826)	19.75 (502)	54.0 (1372)	69 (1753)	83.5 (2121)	24 (610)	23 (584)	14 (356)	8"	3/4"	1/2"	1750	1500 (3307)
1	BF12CB8FLPJ	12	36 (914)	32.5 (826)	19.75 (502)	54.0 (1372)	69 (1753)	83.5 (2121)	24 (610)	23 (584)	14 (356)	8"	3/4"	1/2"	2100	1700 (771)
2	BF3CB3FTP	3	18 (457)	27.5 (699)	27.50 (699)	45.5 (1156)	55 (1397)	75.0 (1905)	30 (762)	10 (254)	10 (254)	3"	3/4"	1/2"	525	700 (318)
2	BF4CB4FTP	4	22 (559)	27.5 (699)	27.50 (699)	48.5 (1232)	58 (1473)	78.0 (1981)	34 (864)	13 (330)	12 (305)	4"	3/4"	1/2"	700	875 (297)
2	BF6CB6FTP	6	24 (610)	27.5 (699)	27.50 (699)	49.0 (1245)	60 (1524)	78.5 (1994)	36 (914)	15 (381)	12 (305)	6"	3/4"	1/2"	1050	1175 (533)
2	BF8CB6FTJ	8	30 (762)	28.5 (724)	28.50 (724)	50.5 (1283)	64 (1626)	80.0 (2032)	42 (1067)	19 (483)	12 (305)	6"	3/4"	1/2"	1400	1250 (567)
2	BF10CB8FTJ	10	36 (914)	32.5 (826)	32.50 (826)	54.0 (1372)	69 (1753)	83.5 (2121)	48 (1219)	23 (584)	14 (356)	8"	3/4"	1/2"	1750	1500 (3307)
2	BF12CB8FTJ	12	36 (914)	32.5 (826)	32.50 (826)	54.0 (1372)	69 (1753)	83.5 (2121)	48 (1219)	23 (584)	14 (356)	8"	3/4"	1/2"	2100	1700 (771)

Note:

Dimension 'E' is the minimum clearance required for cartridge removal.
 Flow rates are based on water. More viscous liquids will have lower flow rates.
 Drawings for reference only. Certified drawings will be supplied after receipt of order.
 Number of bags based on Figure 2's style.

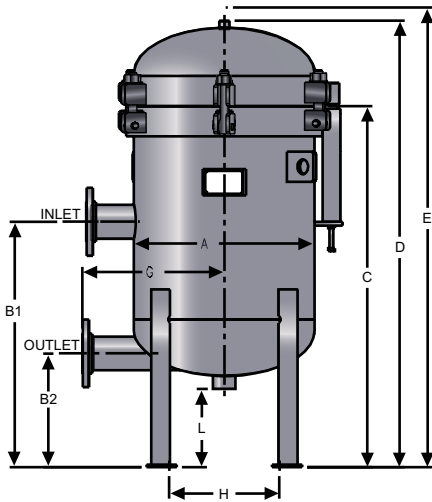


Figure 1

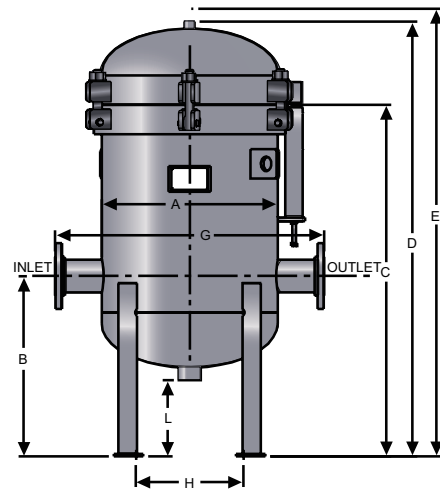


Figure 2

To receive your enclosure quote,
fax these pages to:
(905) 829-4430 Attention: Projects

Bag Filter RFQ Form

Client Information:

Company Name: _____
Address: _____
City, State (Prov): _____
Country, Zip (Postal Code): _____
Contact Name: _____
Contact Title: _____
Phone / Fax: _____
E-mail: _____
Project Name: _____
Project Location: _____
Item: _____
Tag No: _____
Date: _____

Proposal Type Required:

Budgetary Bid Buy
Other: _____
Required Date for Proposal: _____
Anticipated Shipping Date for Project: _____

Required Data:

Type of Liquid: _____
Max. Design Flow Rate: _____
 gpm ft³/hr m³/hr Other
Operating Pressure: _____
 psig barg m²/hr Other
Operating Temperature: _____ °F/°C
Desired Particle Retention: _____ %
Particle Size _____ Microns Nominal Absolute
Density of Liquid at Op. Condition: _____
 lb/ft³ Liquid sp. gr. Other
Viscosity of Liquid at Op. Condition: _____
 cp SSU Other

Additional Data:

Solid Contaminants: _____
 % wt % vol Other
Type of Solid Contaminant:
Allowable Clean Pressure Drop: _____
 psi bar Other
Max. Allowable Pressure Drop: _____
 psi bar Other
Bag Filter Media: Fiber:
 Polypropylene Monofilament
 Polyester Multifilament
 Nylon Felt
 Other _____ Other _____
Bag Size: Nozzle Inlet/Outlet Size: _____ in/mm
 Size #1
 Size #2
 Size #3
 Other _____
Material of Construction: _____
Vessel: _____ Internals: _____ Support: _____
Design & Code: CRN: _____
 ASME Yes
 Other No
 Province _____
Design Pressure: _____
 psig barg kg/cm² g Other
Design Temperature: Min. _____ Max. _____ °F/°C
Corrosion Allowance: _____ in/mm
Radiography: Filter Element Type:
 None Disposable
 Spot Cleanable
 Full
 100% All Butt Wells
Gasket:
Filter Media: Buna-N
 Cotton Viton® A
 Polypropylene EPDM
 Gas Fiber Other
 Other
Vessel External Finish:
Vessel Internal Finish: Primer
 Clean & Dry Other
 Other Specify _____
Specify _____
Closure:
 Standard Quick Opening
 Other _____

Bag Filter RFQ