

Fulflo® B Filter Vessel

Designed for a wide range of industrial applications (non ASME code)

Carbon Steel "B" Vessels feature a 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.



Contact Information

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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



ENGINEERING YOUR SUCCESS.

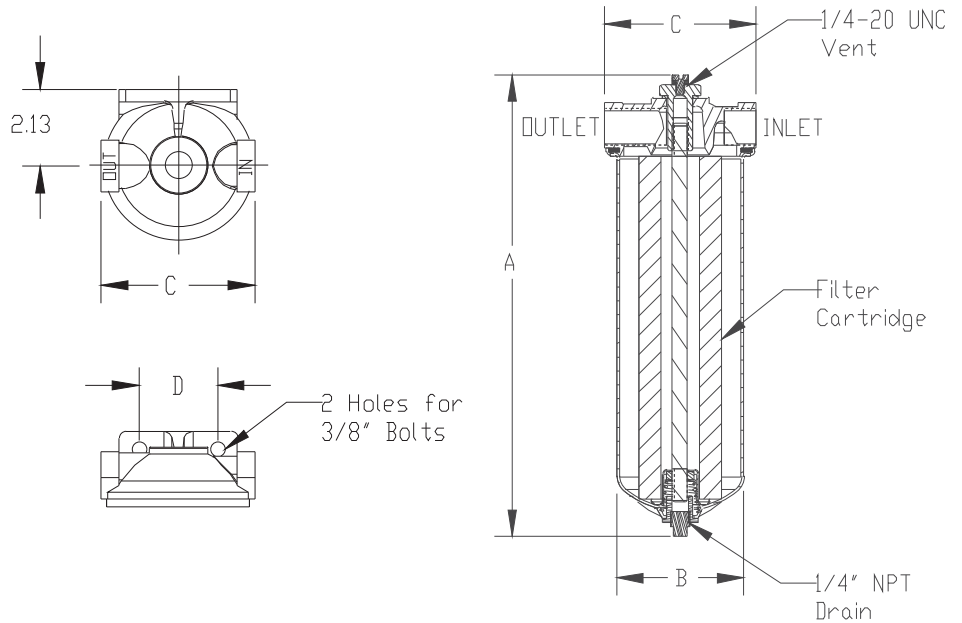
Fulflo® B Filter Vessel

Bracketed Head Dimensions (in)

Code	NPT ¼	NPT ¾
D	1.50	2.19
C	4.19	4.31

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

Optional Shell O-Ring/Gasket	
Material	Part #
Nitrile/Buna-N (Std.)	2620-5045
FKM (Viton®)	2620-5058
Glass-filled Fluoropolymer	2620-5056
Neoprene	2620-5042
Rubber	2620-5344
Non-asbestos substitute	2620-5054



Duplex (BDX1) Design Specifications

Model	Aqueous Flow† (gpm)	Cartridge Length (in)	Pipe Size NPT (in)	Max. Op. Pressure (psi @ 200°F)	Max. Op. Pressure (psi @ 250°F)	Overall Height (in)	Shipping Wt. (lbs)
BDX1-10-½ SD	5/10	(2) 10	½	150psi (10.3bar)	100psi (6.9bar)	13.75	16
BDX1-10-¾ SD	5/10	(2) 10	¾	150psi (10.3bar)	100psi (6.9bar)	13.75	16
BDX1-20-½ SD	10/20	(2) 20	½	150psi (10.3bar)	100psi (6.9bar)	23.75	23
BDX1-20-¾ SD	10/20	(2) 20	¾	150psi (10.3bar)	100psi (6.9bar)	23.75	23

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

Design Specifications

Model	Rated Capacity*	Cartridge Qty. & Length (in)	Max. Op. Pressure (psi @ 200°F)	Max. Op. Pressure (psi @ 250°F)	(A) Overall Height (in)	(B) Outside Diam.	(C) Face-to-Face Dim. (in)	Pipe Size (NPT) (in)	Shipping Wt. (lbs)
AIR & OTHER GASES									
B3A-(¼ or ⅜) SD	65scfm	(1) 3	125psi (8.6bar)	N/A	7.0	3.63	4.19	¼ - ⅜	3.0
B5A-(½ or ¾) SD	110scfm	(1) 5	125psi (8.6bar)	N/A	9.25	3.63	4.31	½ - ¾	3.75
B7A-(¾ or 1) SD	150scfm	(1) 7	125psi (8.6bar)	N/A	11.38	3.63	4.5	¾ - 1	5.25
LIQUIDS									
B10-¾ SD	5gpm	(1) 10	150psi (10.3bar)	100psi (6.9bar)	12.88	3.63	4.31	¾	6.0
B20-¾ SD	10gpm	(1) 20	150psi (10.3bar)	100psi (6.9bar)	23.0	3.63	4.31	¾	9.25
B10-1 SD	5gpm	(1) 10	150psi (10.3bar)	100psi (6.9bar)	13.25	3.63	4.5	1	6.0
B20-1 SD	10gpm	(1) 20	150psi (10.3bar)	100psi (6.9bar)	23.25	3.63	4.5	1	9.25

Note: B3A, B5A and B7A vessels supplied with 10µm Fulflo wound cotton cartridge

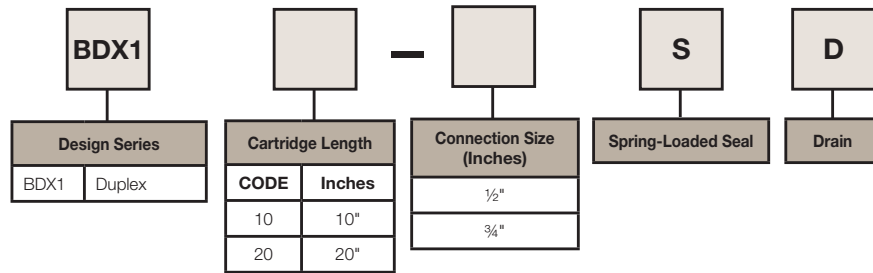
*Maximum flow rate for gases based on air at 70°F (21°C) and maximum operating pressure with initial pressure loss of 3psig (.2bar) with a 5µm viscose wound depth filter cartridge.

Specifications are subject to change without notification.
For User Responsibility Statement, see www.parker.com/safety

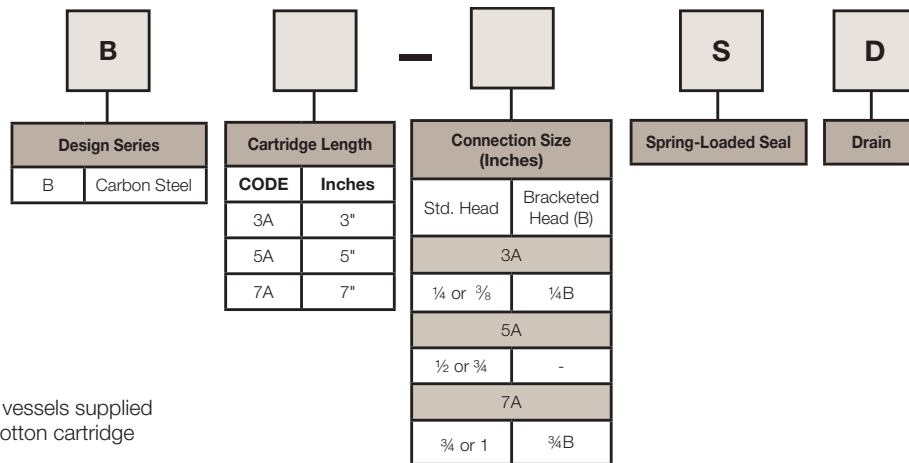


Ordering Information

DUPLEX

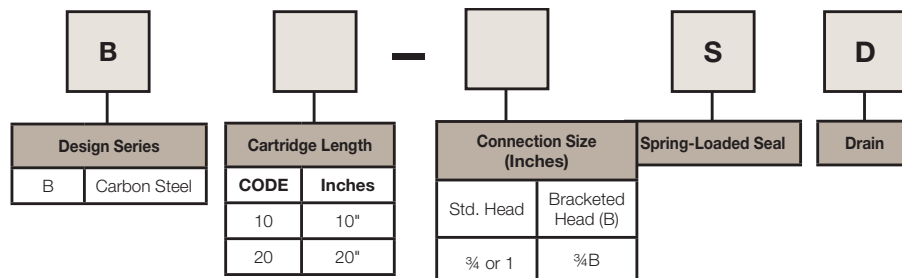


AIR & OTHER GASES



Note: B3A, B5A and B7A vessels supplied with 10µm Fulflo wound cotton cartridge

LIQUIDS



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