

Fulflo® GB Filter Vessels

- Carbon Steel
- 304L and 316L Stainless Steel

Bag Filter Vessel Series

High Flow Rates and High Solids Retention Capability with Fulflo® GB Series ASME Code Multiple Bag Vessels

Designed to handle flow rates of up to 4200 gpm (15,900 lpm), the Fulflo GB Series 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 GB Vessel Series conform to ASME code.

Applications

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



Features and Benefits

- Designed for use with solid ring and plastic ring "G" style bags for easy bag installation.
- ASME design 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 cover sealing.
- Swing bolt closure for fast, easy opening and closing of cover.
- Standard Buna-n O-ring with optional materials for improved chemical compatibility and higher temperature ratings.
- Cover locating pin for quick and accurate cover alignment.

- O-ring sealed baskets to prevent bypass.
- Floating spring loaded bag compression plate seal to prevent bypass.
- Bags located near the vessel opening for easy access during installation and removal.
- Inline inlet and outlet for uniform piping elevation.
- Bottom inlet for even flow distribution.
- 150 PSI and 300 PSI pressure ratings.

Options

- Custom designs per specification requirements.
- Epoxy coated interior and exterior.
- Mesh lined strainer baskets.
- Special inlet and outlet locations.

Process Filtration Division

Bulletin C-5004 Effective 08/02

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Bag Filter Vessel Series

Design Specifications

Material of Construction	Design Pressure	Maximum Design Temperature*
Carbon Steel	150 psi (10.3 bar)	500°F (261°C)
Carbon Steel	300 psi (20.7 bar)	500°F (261°C)
304L Stainless Steel	150 psi (10.3 bar)	300°F (150°C)
304L Stainless Steel	300 psi (20.7 bar)	300°F (150°C)
316L Stainless Steel	150 psi (10.3 bar)	400°F (206°C)
316L Stainless Steel	300 psi (20.7 bar)	400°F (206°C)

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

Reference Dimensions (in)

Model	Cartridges	Typical Flow ** GPM	A	B	C	D In/Out	E	F	Shipping Weights
GBXX2D4FBB1X	2	400	16.50	57.75	40.50	4	8	27.31	450
GBXX3D4FBB1X	3	400	18.50	60.56	43.38	4	8	27.50	475
GBXX4D6FBB1X	4	800	22.50	65.19	47.50	6	10	35	570
GBXX6D6FBB1X	6	900	24.50	64.94	47.00	6	10	40	600
GBXX7D8FBB1X	7	1400	28.50	70.88	52.50	8	12	46	760
GBXX8D8FBB1X	8	1600	30.75	71.94	52.63	8	12	46	850
GBXX10D8FBB1X	10	1600	32.75	72.63	53.00	8	12	48	1000
GBXX12D10FBB1X	12	2400	36.75	79.25	58.50	10	14	56	1200
GBXX16D10FBB1X	16	2450	40.88	79.63	58.50	10	14	60	1650
GBXX17D12FBB1X	17	3400	42.88	85.38	63.75	12	16	67	2200
GBXX23D12FBB1X	23	3500	49.00	86.44	63.63	12	16	75	2600
GBXX30D14FBB1X	30	4200	55.00	95.38	70.13	14	18	85	3400

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

Consult media flow charts for each application.

X = Insert appropriate letter from ordering information below.

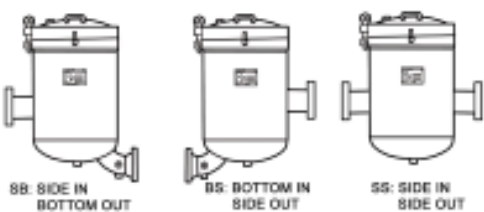
Shipping weights and dimensions are for 150 PSIG design only.

GBXX10 and larger have closure bolts with hex nuts in lieu of eye nuts.

Ordering Information

GB	S	U	3	D	4	F	B	B	1	B
<i>Design Series</i>	<i>Material</i>	<i>Design</i>	<i>Number of Bags</i>	<i>Bag Length</i>	<i>Inlet/Outlet Size in Inches</i>	<i>Inlet/Outlet Type</i>	<i>Inlet Location</i>	<i>Inlet Location</i>	<i>Coverlift</i>	<i>Finish</i>
GB = 7" Dia. Bag	C = Carbon Steel G = 304L Stainless Steel S = 316L Stainless Steel	N = Non Code U = ASME Code	2 through 30	D = Double		F = ANSI 150 lb. flange H = ANSI 300 lb. flange	B = Bottom S = Side	B = Bottom S = Side	N = None 1 = Mechanical Davit	L = Paint B = Bead Blast (SS) P = Passivate (SS)

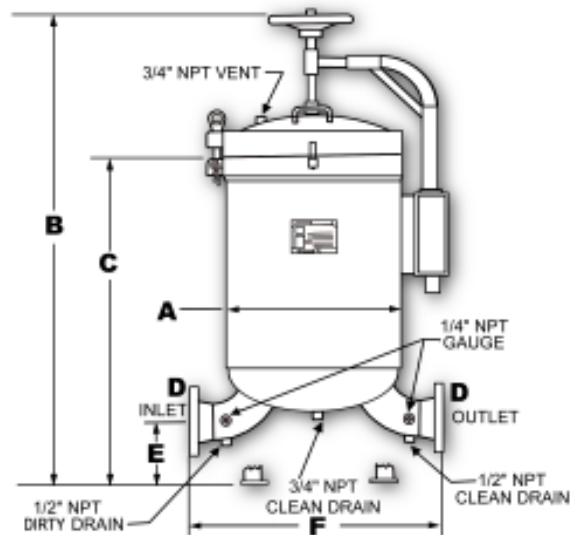
Optional inlet/outlet locations



8B: SIDE IN BOTTOM OUT

8S: BOTTOM IN SIDE OUT

8S: SIDE IN SIDE OUT



Coverlift true position in rear

Process Filtration Division

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