MODULINE™ Multi-Bag Filter Housing System

Modular system for continuous flow capability, higher efficiency and lower costs

Eaton's MODULINE multi-bag filter housing systems are double or modular multi-bag units designed for applications where the flow rate is too high for a single bag filter housing.

This multi-bag filter housing system provides a compact and efficient assembly of two up to eight single bag filter housings. Its space-saving design can be readily expanded with additional housing units and extra banks to provide the highest level of flexibility for process requirements. The footprint is smaller than duplexed multi-bag filter housings. Units come standard with filter bag size 02 stainless steel restrainer baskets.

Features

- Can be equipped with the economical FLOWLINE™ or FLOWLINE II™* single bag filter housing for coarse particle filtration, the SIDELINE™ single bag filter housing for a greater range of applications or the most advanced TOPLINE™ single bag filter housing
- System arrangement assures continuous flow rates. Each unit is individually valved and can be taken off-line in sequence for filter bag change-outs without having to take the complete bank of filters off-line
- Swing bolt cover for quick, easy filter bag change-outs. The TOPLINE single bag filter housing features a domed cover. FLOWLINE and SIDELINE single bag filter housings covers' feature an integrated ergonomic handle
- TOPLINE and SIDELINE models are designed in accordance with Section VIII, Division 1 of the ASME Code (standard in the US), "AD 2000-Merkblätter", EN 13445 and PED (standard in EMEA)
- Easy-action, 1/4-turn ball valves provide precision flow control
- Smooth, bead-blasted finish makes it easy to completely clean the interior

Options

- Available in stainless steel for high corrosion resistance. Carbon steel version available in the US
- Buna-N® O-rings for the cover are standard. EPDM, Viton®, PTFE encapsulated Viton or silicone rubber seals and gaskets are available
- Optional gauges, vents and pressurize air port with 1/4" threaded cover taps

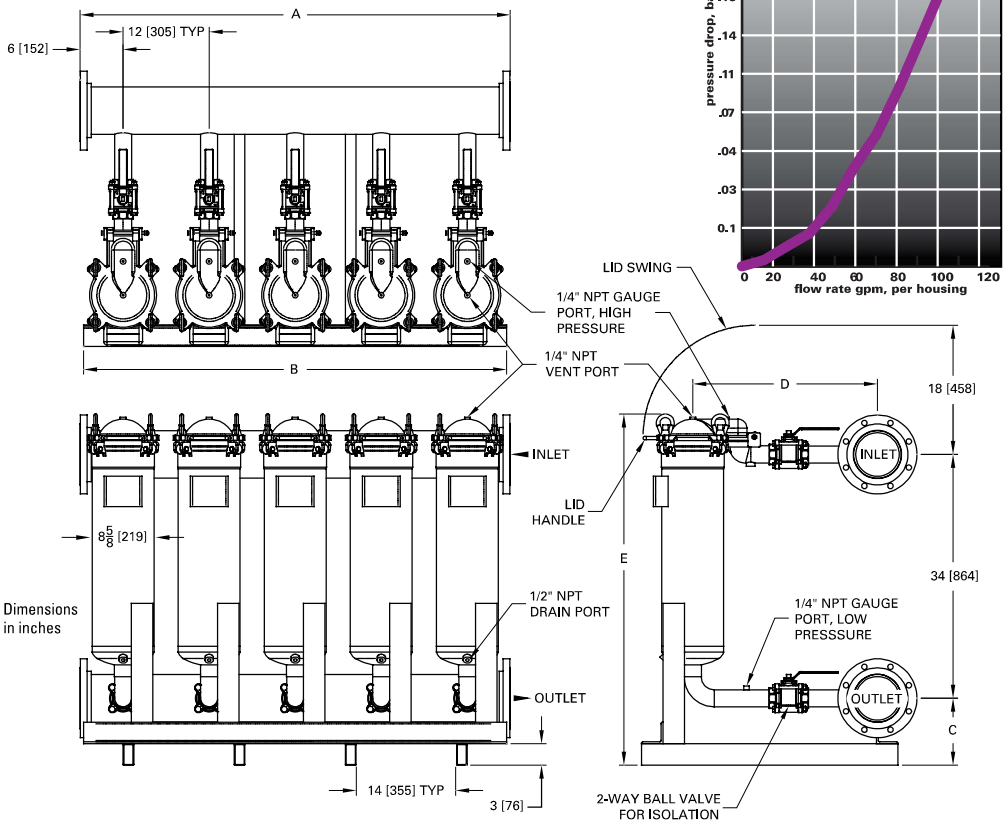
* Available in the US only.
Viton® is a registered trademark of E. I. du Pont de Nemours and company.

Applications

Coarse filtration > 500 µm	✓
Medium filtration > 10 µm	
Fine filtration < 10 µm	
Pre-filtration	✓
Safety filtration	✓
High volume	✓
Batch filtration	
Circuit filtration	
Continuous filtration	✓
Solvents, paints	
Fats and oils	✓
Catalyst, activated carbon	
Acids, bases	
Petrochemicals	✓
Water, waste water	✓
Chemical industry	✓
Pharmaceuticals	
Metal cleaning	✓
Automotive	✓
Electronics	
Food and beverage	
Paint and lacquer	
Water treatment	✓
Galvanic industry	

Dimensions for MODULINE multi-bag filter housing using TOPLINE single bag filter housings

Details on MODULINE multi-bag filter housing assemblies using SIDELINE and FLOWLINE single bag filter housings available on request.



Technical data MODULINE systems with TOPLINE housings

Models	No. of filter bags	Size	Flow rates[1] GPM (m³/h)	Housing volume gal (l)	Housing weight lb (kg)	Max. pressure psi (bar)	Max. temp.[2] °F (°C)	I/O connections	Dimensions - in (mm)				
									A	B	C	D	E
M-TBF-0202	2	2	353 (80)	16.5 (62.5)	320 (145.1)	150 (10)	400 (160)	3" flange	24 (610)	23 (584)	7-3/4 (197)	24-3/16 (614)	47-1/2 (1,207)
M-TBF-0302	3	2	528 (120)	25.7 (104.9)	490 (222.3)	150 (10)	400 (160)	4" flange	36 (914)	35 (889)	8-1/4 (210)	24-11/16 (627)	48 (1,219)
M-TBF-0402	4	2	705 (160)	35 (132.5)	630 (285.8)	150 (10)	400 (160)	4" flange	48 (1,219)	47 (1,194)	8-1/4 (210)	24-11/16 (627)	48 (1,219)
M-TBF-0502	5	2	881 (200)	54.2 (205.2)	800 (362.9)	150 (10)	400 (160)	6" flange	60 (1,524)	59 (1,499)	9-5/16 (236)	25-3/4 (654)	49-1/16 (1,246)
M-TBF-0602	6	2	1,057 (240)	65.5 (248)	950 (430.9)	150 (10)	400 (160)	6" flange	72 (1,829)	71 (1,803)	9-5/16 (236)	25-3/4 (654)	49-1/16 (1,246)
M-TBF-0702	7	2	1,233 (280)	76.7 (290.3)	1,100 (499)	150 (10)	400 (160)	6" flange	84 (2,134)	83 (2,108)	9-5/16 (236)	25-3/4 (654)	49-1/16 (1,246)
M-TBF-0802	8	2	1,409 (320)	86 (325.6)	1,250 (567)	150 (10)	400 (160)	6" flange	96 (2,438)	95 (2,413)	9-5/16 (236)	25-3/4 (654)	49-1/16 (1,246)

[1] Maximum theoretical flow based on water viscosity, filter bag specific. [2] Depending on seal material.
Metric measures represent comparable products produced for EMEA and may not be an exact conversions.

US
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Powering Business Worldwide