

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

- 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 or carbon steel for high corrosion resistance
- 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

Viton® is a registered trademark of E. I. du Pont de Nemours and company.

EATON

Powering Business Worldwide

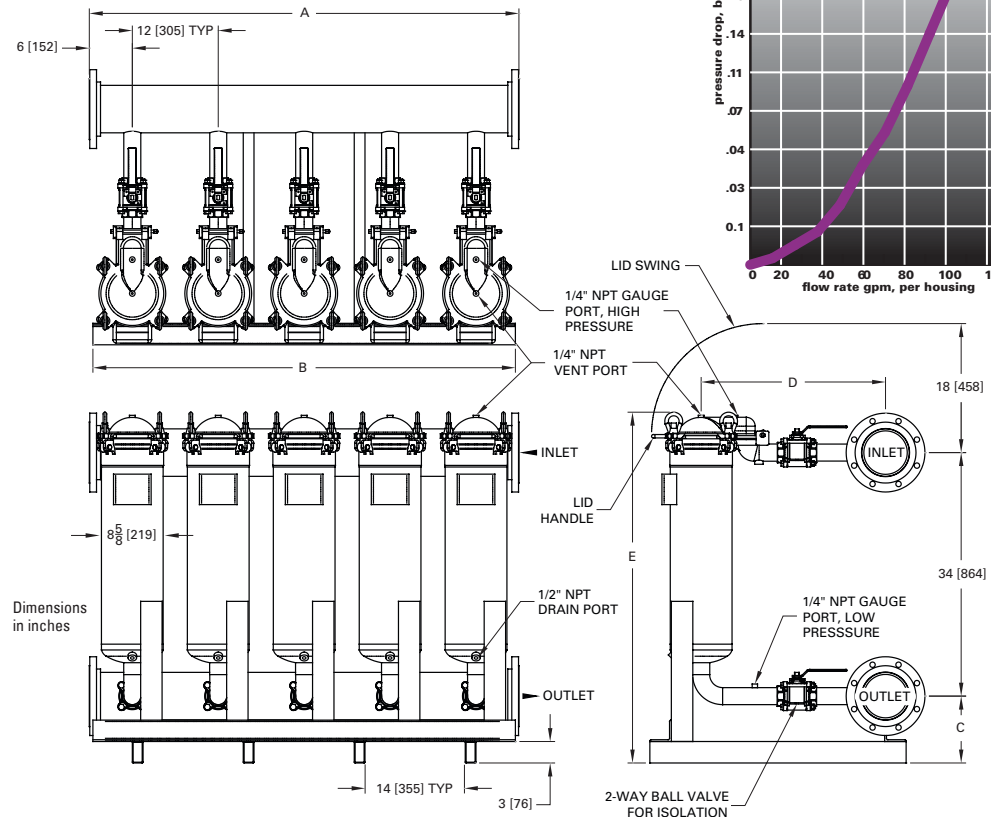
MODULINE Multi-Bag Filter Housing System

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 (m ³ /h)	Housing volume gal (l)	Housing weight lb (kg)	Max. pressure psi (bar)	Max. temp. °F (°C)	I/O connections	Dimensions - in (mm)				
									A	B	C	D	E
M-TBF-0202	2	2	225 (51)	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	340 (77)	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	400 (91)	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	560 (127)	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	680 (154)	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	790 (179)	76.7 (290.3)	1100 (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	900 (204)	86 (325.6)	1250 (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.

North America
44 Apple Street
Tinton Falls, NJ 07724
Toll Free: 800 656-3344
(North America only)
Tel: +1 732 212-4700

China
No. 3, Lane 280,
Linhong Road
Changning District, 200335
Shanghai, P.R. China
Tel: +86 21 5200-0099

Europe/Africa/Middle East
Auf der Heide 2
53947 Nettersheim, Germany
Tel: +49 2486 809-0

Singapore
100G Pasir Panjang Road #07-08
Singapore 118523
Tel: +65 6825-1668

Friedensstraße 41
68804 Altlußheim, Germany
Tel: +49 6205 2094-0
An den Nahewiesen 24
55450 Langenlonsheim, Germany
Tel: +49 6704 204-0

Brazil
Av. Ermanno Marchetti, 1435 -
Água Branca, São Paulo - SP,
05038-001, Brasil
Tel: +55 11 3616-8461

For more information, please
email us at filtration@eaton.com
or visit www.eaton.com/filtration

US
EF-FBH-16
08-2020

© 2020 Eaton. All rights reserved. All trademarks and registered trademarks are the property of their respective owners. All information and recommendations appearing in this brochure concerning the use of products described herein are based on tests believed to be reliable. However, it is the user's responsibility to determine the suitability for his own use of such products. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Eaton as to the effects of such use or the results to be obtained. Eaton assumes no liability arising out of the use by others of such products. Nor is the information herein to be construed as absolutely complete, since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.