

MAXILINE™ MBF HE Multi-Bag Filter Housing



Rugged design offers many options to meet demanding specifications

Eaton's MAXILINE MBF HE multi-bag filter housing is user-friendly, cost-effective and designed for high volume, multiple applications and processes.

This multi-bag filter housing is equipped with proven and easy-to-use rugged eye-bolt cover closure. The housing volume is optimized to minimize product loss. Units are available in 3, 4, 6 and 8 filter bag configurations and come standard with filter bag size O2 stainless steel restrainer baskets.

Features

- Low profile design with side inlet and tangential outlet provides easy and full drainage and reduces housing height to make filter bag change-outs easier. No need for ladders, stools or catwalks

- Positive O-ring sealing provides bypass-free, safe filtration while the unique 3-point hold down ensures a high-quality seal between each filter bag and the housing body
- A counter-balanced, spring-assisted cover lifting mechanism allows for quick and easy opening of even large covers by one person
- Heavy-duty stainless steel mounting legs are included
- Designed in accordance with Section VIII, Division 1 of the ASME Code

Options

- Available in 304 or 316 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
- Multiple I/O connections to suit application
- Available with segment clamps
- Custom fittings, surface finishes, coatings and design code ratings to meet specified applications
- Available with shell side outlet

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Unique 3-point hold down ensures a high-quality seal between each filter bag and housing body

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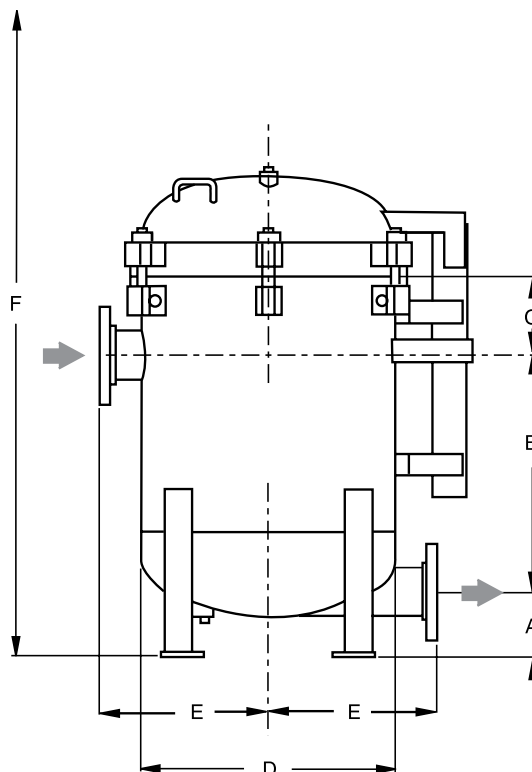
Applications

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 - inch (mm)

Models	A	B	C	D	E	F
MBF-0302	6.00 (152)	22.50 (572)	6.43 (163)	18.00 (457)	12.75 (324)	60.00 (1,524)
MBF-0402	6.00 (152)	22.19 (564)	7.93 (201)	24.00 (610)	16.00 (406)	70.00 (1,778)
MBF-0602	7.00 (178)	20.00 (508)	9.81 (249)	26.00 (660)	18.50 (470)	74.00 (1,880)
MBF-0802	8.25 (210)	19.00 (483)	10.81 (275)	30.00 (762)	20.50 (521)	79.50 (2,019)

Dimensions for reference only and approximate. Exact dimensions for installation purposes available on request. The 8 bag loop style dimensions are available on the Eaton website.

Technical data

Models	No. of filter bags	Size	Flow rate ¹ GPM (m ³ /h)	Max. pressure psi (bar)	Max. temp. °F (°C)	Housing volume gal (l)	Housing weight lb (kg)	I/O connections
MBF-0302*	3	2	225 (51)	150 (10)	250 (121)	40 (151)	460 (227)	3"
MBF-0402	4	2	400 (91)	150 (10)	250 (121)	69 (261)	615 (279)	4"
MBF-0602*	6	2	900 (204)	150 (10)	250 (121)	90 (341)	810 (367)	6"
MBF-0802	8	2	1409 (320)	150 (10)	250 (121)	116 (439)	970 (440)	8"

¹ Maximum theoretical flow based on water viscosity, filter bag specific.

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