

MAXILINE™ MBF Multi-Bag Filter Housing



Rugged design offers many options to meet demanding specifications

Eaton's MAXILINE MBF 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 4, 8 and 12 filter bag configurations and come standard with filter bag size 02 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 "AD 2000-Merkblätter", EN 13445 and PED

Options

- Available in 316 or 316 Ti stainless 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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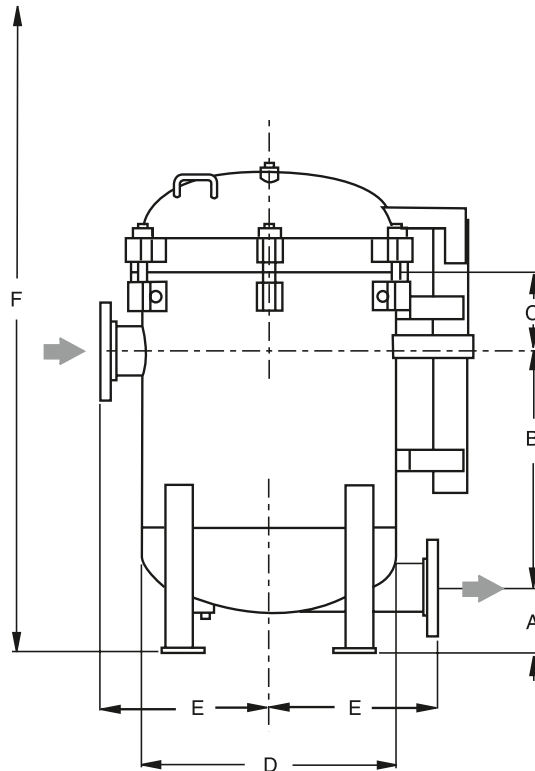
Applications

| | |
|----------------------------|---|
| 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 - mm

| Models | A | B | C | D | E | F |
|----------|-----|-----|-----|-----|-----|------|
| MBF-0402 | 250 | 560 | 205 | 559 | 400 | 1800 |
| MBF-0802 | 250 | 570 | 245 | 800 | 520 | 2020 |
| MBF-1202 | 250 | 600 | 395 | 950 | 625 | 2500 |

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 m ³ /h | Max. pressure bar | Max. temp. °C | Housing volume l | Housing weight kg | I/O connections |
|----------|--------------------|------|--|-------------------|---------------|------------------|-------------------|---------------------------|
| MBF-0402 | 4 | 2 | 160 | 10 | 121 | 261 | 279 | DN 100 PN 16 (DIN flange) |
| MBF-0802 | 8 | 2 | 320 | 10 | 121 | 440 | 465 | DN 150 PN 16 (DIN flange) |
| MBF-1202 | 12 | 2 | 480 | 10 | 121 | 645 | 770 | DN 250 PN 16 (DIN flange) |

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

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