

MAXILINE™ MDE Multi-Bag Filter Housing



*Designed for easy, safe
filter bag change-outs with
minimal product loss*

Eaton's MAXILINE MDE multi-bag filter housing is user-friendly, seals perfectly and is designed for safe filtration and minimized product loss. Ideal for batch process runs and high dirt load applications.

This multi-bag filter housing is equipped with proven and easy-to-use rugged eye-bolt cover closure. The flat lid construction, combined with Eaton's SENTINEL® filter bag seal rings, seal perfectly against the lid and minimize the amount of residual product on the inner surface. This reduces product loss, spillage and makes cleaning easier. Units are available in 4 filter bag configuration and come standard with filter bag size O2 stainless steel restrainer baskets.

Features

- A counter-balanced, spring-assisted cover lifting mechanism allows for quick and easy opening of even large covers by one person
- Flat lid design improves sealing, reduces product loss and makes filter bag change-outs cleaner
- Direct feeding of filter bags via individual inlets generates a laminar flow. This ensures optimal cake formation to further improve filtration performance
- Heavy-duty stainless steel mounting legs are included
- Designed in accordance with "AD 2000-Merkblätter", EN 13445 and PED

Options

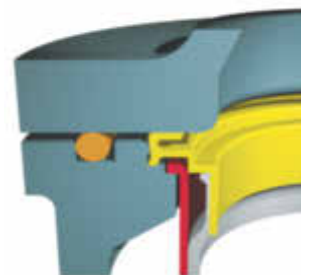
- Available in 304 or 316 stainless steel for high corrosion resistance
- Buna-N® O-rings for the cover are standard. EPDM, Viton®, PTFE encapsulated Viton or silicone rubber seals and gaskets are available
- Multiple I/O connections to suit application
- Low profile design with side inlet and tangential outlet provides easy and full drainage and reduces housing height to make filter bag change-outs easier. No need for ladders, stools or catwalks

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SENTINEL filter bags utilize a pressure activated sealing lip, which responds to increases in differential pressure

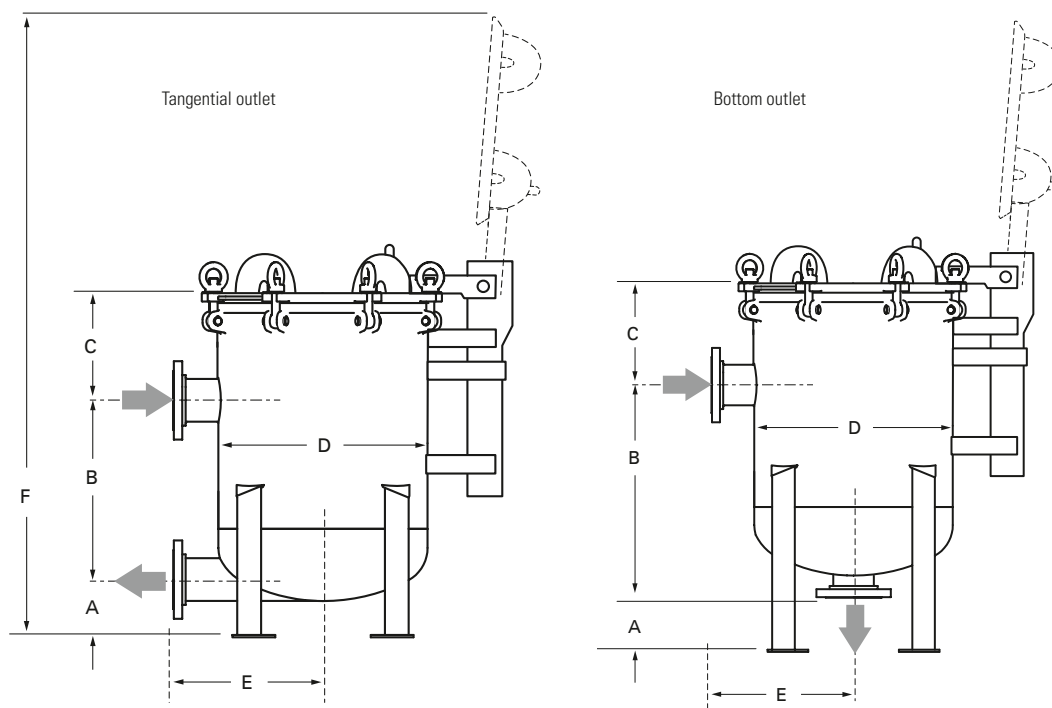
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Applications

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
MDE-0402 tangential/304	255	527	242	559	450	1845
MDE-0402 tangential/316	255	527	242	559	450	1845
MDE-0402 bottom outlet/304	475	650	242	559	450	2227
MDE-0402 bottom outlet/316	475	650	242	559	450	2227

Dimensions for reference only and approximate. Exact dimensions for installation purposes available on request.

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
MDE-0402 tangential/304	4	2	160	7	60	185	250	DN 100 PN 10 (DIN flange)
MDE-0402 tangential/316	4	2	160	7	60	185	250	DN 100 PN 10 (DIN flange)
MDE-0402 bottom outlet/304	4	2	160	7	60	185	250	DN 100 PN 10 (DIN flange)
MDE-0402 bottom outlet/316	4	2	160	7	60	185	250	DN 100 PN 10 (DIN flange)

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