

Bag Filter Housings

ECOLINE™
FLOWLINE™
FLOWLINE II™
POLYLINE™

SIDELINE™
TOPLINE™
MAXILINE™
PROLINE™

DUOLINE™
MODULINE™

Value, efficiency
performance

EATON

Powering Business Worldwide

Advanced solutions for a variety of filtration applications

Eaton is the leading manufacturer of bag filter housings. Whether it's for a standard application or an extremely demanding one, our creative innovations deliver greater filtration efficiency.

The selection of single bag filter housings ranges from those suitable for exacting, absolute filtration applications to high-quality housings designed especially for cost-sensitive applications, and everything in between. Multi-bag filter housings that accommodate up to 24 individual filter bags allow for flow rates of up to 4,227 GPM and are available in a number of different designs. Manufacturing plants around the world allow for adaptations that can help you meet local specifications.

Eaton offers a full range of filter bags—more than 1,500 choices in all—from economically sewn filter bags for standard applications, to welded, multi-layered bags for more demanding applications.

Our complete line of single and multi-bag housings come in everything from stainless steel to engineered plastic, meaning Eaton offers the right solution for any application and budget. Eaton's bag filtration systems help customers around the world meet their need for efficiency, safety, convenience and value.



BAG FILTER HOUSINGS



ECOLINE single bag filter housing is a highly cost-effective solution for price-sensitive applications. It features a handy V-clamp closure and threaded couplings. Units come standard with filter bag size 01, 02, 03 or 04 and are available in stainless steel.



FLOWLINE & FLOWLINE II single bag filter housings are available in carbon or stainless steel for 01 or 02 filter bag sizes and multiple I/O configurations. Easy open cover has an integral handle, 1/4" vent or gauge ports and "no tools" closures. FLOWLINE II (not pictured here) features a one-piece body design.



POLYLINE single bag filter housing is constructed with glass fiber reinforced polypropylene or PVDF. It features superior corrosion resistance as well as high-pressure and temperature capabilities. The POLYLINE has one injection molded body meaning no seams or weak points.



SIDELINE single bag filter housing is a mid-priced, investment-cast filter suitable for most heavy duty industrial applications. Side inlet with evacuation cover prevents spillage of unfiltered liquid, allowing for clean and easy filter bag change-outs. Available in stainless steel. ASME coded.



TOPLINE single bag filter housing is simply the best—from its high-performance design to its investment-cast components. The top inlet design requires less headroom and directs liquid flow through the cover which improves sealing, reduces product loss and makes filter bag change-outs cleaner. ASME coded.



MAXILINE & PROLINE multi-bag filter housings are for high-volume applications demanding frequent filter bag change-outs. Available in a wide variety of configurations with 4 to 24 filter bags per housing. Options include: various input/output positions and sizes, material choices and closure designs.



DUOLINE multi-bag filter housing system is designed with two single bag filter housings fitted together at the inlet and outlet by a butterfly valve or ball valve assembly. Allows for continuous process flow even during filter bag change-outs.



MODULINE multi-bag filter housing system allows for continuous filtration and larger flow rates. This flexible system allows for isolation of each of the bag vessels in a compact and efficient assembly. Its space-saving design can be readily expanded with additional housing units and extra banks.

SPECIFICATION CODES

Ranges
 EBF: ECOLINE
 FBF: FLOWLINE
 SBL: FLOWLINE II
 PBF: POLYLINE
 SBF: SIDELINE
 TBF: TOPLINE
 MBF: MAXILINE Dome
 MDE: MAXILINE Flat
 PMBF: PROLINE100 HE
 VPMBF: PROLINE 100 SE

Materials
 AB: SS 316 (1.4401)
 AC: SS 316 Ti (1.4571)
 AD: 1.4408 + 1.4571
 AE: 1.4408 + 316 L
 AF: 1.4408
 AS: SS 316L (1.4404)
 BB: SS 304 (1.4301)
 BS: SS 304L (1.4306)
 CS: Carbon steel
 HB: HASTELLOY® C276
 HC: HASTELLOY C22
 HD: HASTELLOY C4
 PF: PVDF
 PO: Polypropylene
 PV: PVC
 UR: Uranus
 TI: Titanium

Connection sizes
 For A, N, R:
 005: 1/2"
 010: 1"
 012: 1 1/4"
 015: 1 1/2"
 020: 2"
 up to 140: 14"
 For B, D, T, I, W, J, S:
 025: DN 25
 050: DN 50
 080: DN 80
 100: DN 100
 125: DN 125
 150: DN 150
 200: DN 200
 250: DN 250
 350: DN 350

Code stamps
 M: UM Stamp
 U: U Stamp
 X: CE Stamp

Closure styles
 B: Eye-bolts/ringnuts
 C: Stud-bolts/ringnuts
 D: Stud-bolts/hexnuts
 E: Speed bar knobs
 G: Segment clamp
 H: Swingbolts/hexnuts
 R: Ratchet closure
 S: QIC-LOCK
 V: V-clamp

Lid lift style
 A: Davit hydraulic
 C: Counter balance
 D: Davit manual
 E: Spring assist
 H: Hydraulic
 O: Manual
 P: Gas spring
 S: David spring assist

Specials
 F: Full heating jacket
 H: Heating jacket
 N: Without jacket
 T: Total heating jacket

D V MBF 04 02 AS 10 040 A U T 11 S E N M

Options
 D: DUOLINE
 M: MODULINE

Number of filter bags
 1, 2, 4, 8, 12, 16, 20, 24

Filter bag sizes
 01: Ø 7 x 17" L
 (180 x 430 mm)
 02: Ø 7 x 32" L
 (180 x 810 mm)
 03: Ø 4 x 9" L
 (100 x 230 mm)
 04: Ø 4 x 15" L
 (100 x 380 mm)

Pressure ratings
 06: 90 psi (6 bar)
 07: 100 psi (7 bar)
 09: 135 psi (9 bar)
 10: 150 psi (10 bar)
 16: 225 psi (16 bar)
 21: 300 psi (21 bar)

Connection types
 A: ANSI flange
 N: NPT female thread
 R: Tri-clamp
 B: BSP female
 C: BSP male
 D: DIN flange
 T: Tri-clamp (DN)
 I: Milk pipe thread
 W: Butt-weld
 J: JIS flange
 S: SMS
 U: Macon
 L: RJT
 M: Other

Special outlet
 T: Tangential

Inside finishes
 (1st number)
 : Stainless steel
 0: Pickled
 1: Glass bead-blasted
 2: Electro-polish standard
 3: Food grade polished
 4: Pharma grade polish
 5: Halar® coated
 6: End user spec
 7: Anti-stick code

Outside finishes
 (2nd number)
 : Carbon steel
 0: Brushed/oiled
 1: Glass bead-/sand-blasted
 2: Primed
 3: Paint ES-301
 4: Epoxy coated
 5: Halar coated
 6: End user spec
 7: Anti-stick code

Special
 M: Special

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Eaton accessories, consumables and spare parts

The wide range of Eaton filter housing accessories makes it possible to custom design a housing to the exact specifications of your application, no matter how complex or unique it may be. Accessories also can be used to improve application processes or requirements. For example, displacement balloons make filter bag change-outs easier, and LOFNETIC magnetic inserts extend filter bag lifetime in applications where magnetic particles are encountered.



QIC-LOCK™ Option MAXILINE Housings

The revolutionary QIC-LOCK opening mechanism is the answer to users' demands who work in an environment where productivity and safety are the key priorities. It is safe to use and simple and fast to operate. Standing in place, the operator can rotate the hand wheel and open the cover. There is no requirement to have full movement and access around the housing or use any tools as with conventional bolted closures.

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