

Bag Filter Housings

ECOLINE™
FLOWLINE™
POLYLINE™

SIDELINE™
TOPLINE™

MAXILINE™
DUOLINE™
MODULINE™

Economical,
efficient and
reliable



Powering Business Worldwide

Advanced solutions for a variety of filtration applications

Eaton is a leading manufacturer of bag filter housings. Creative innovations provide the basis for an extremely diversified range of housings suitable not only for standard applications, but also for extremely demanding applications that increase 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 960 m³/h and are available in a number of different designs. With our production facilities in various locations around the world, we can customize standard designs to local specifications.

Eaton offers a full range of filter bags—more than 1500 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 filter housings includes a variety of materials, from stainless steel to specifically adapted materials, 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, ease of use and efficiency.



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 single bag filter housing is a versatile filter available in stainless steel for 01 or 02 filter bag sizes. Multiple I/O configurations are available. Easy open cover features an integral handle, 1/4" vent or gauge ports and "no tools" eye bolts and ring nuts.



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.



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.



TOPLINE single bag filter stainless steel housing is at the top of its class – 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.



MAXILINE 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.

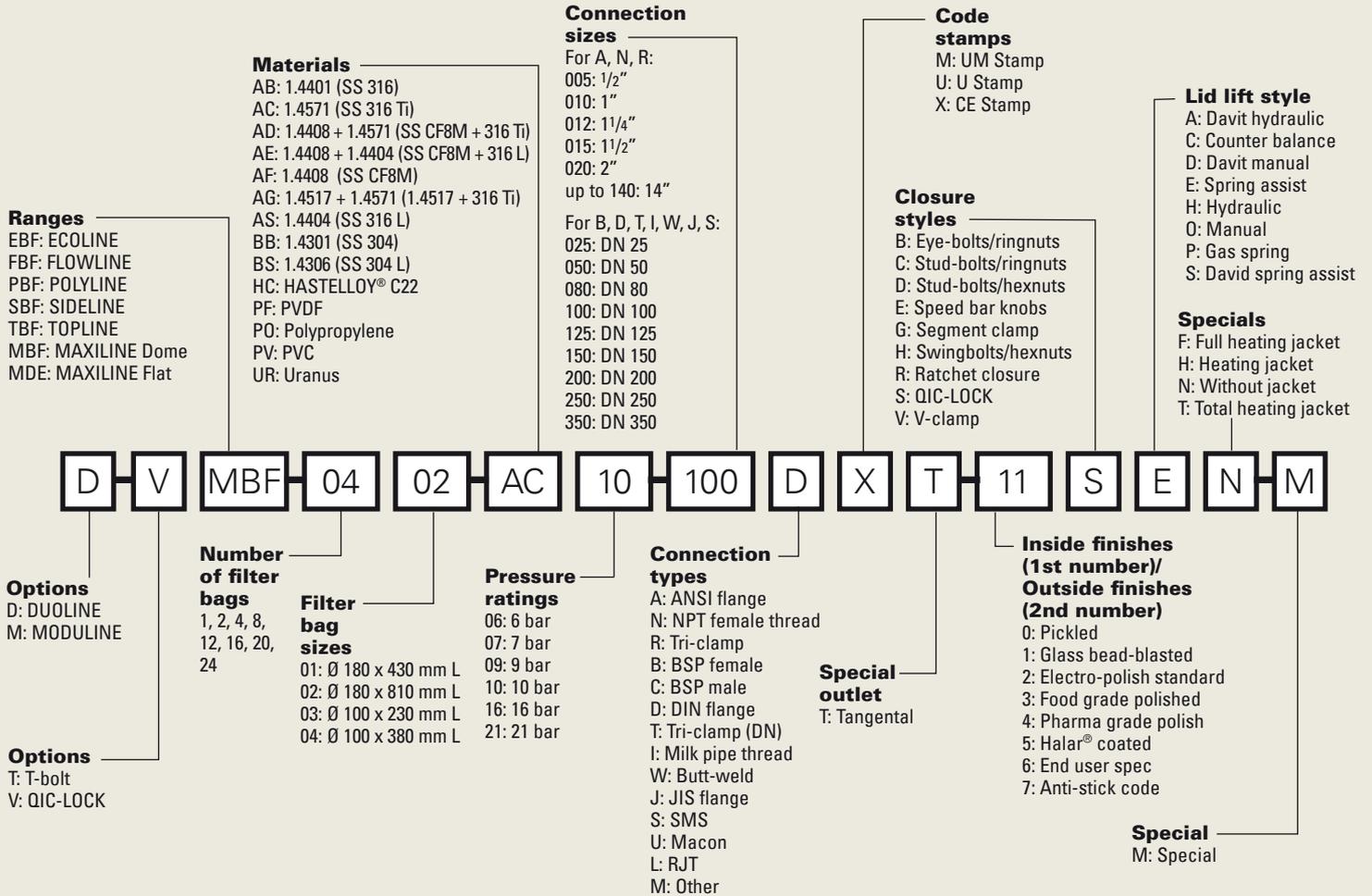


DUOLINE multi-bag filter housing system is designed with two single bag filter housings fitted together at the inlet and outlet by a butterfly valve or ball valve. This increases flow capacity and allows the filtration process to run continuously even during filter bag change-outs.



MODULINE multi-bag filter housing system allows for continuous filtration and larger flow rates. This flexible system provides a compact and efficient assembly from two to eight single bag filter housings. Its space-saving design can be readily expanded with additional housing units and extra banks.

SPECIFICATION CODES



HASTELLOY® is a registered trademark of Haynes International Inc.
 Halar® is a registered trademark of Solvay Group.



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.

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.



Applications

Automotive Filtration of pre-treatment bath, filtration of e-coat, top coat and clear coat, primer, paint ring line filters, parts cleaning fluids, drawing compounds, lubricants, metal working fluids and pump intake filters.

Chemical Catalyst recovery, removal of pipe scale, polishing of aqueous process fluids, alkalis, acids and solvents, filtration of emulsions and dispersions, gel removal from resins. Activated carbon or catalyst removal in the fine chemicals industry is a typical example of a demanding application in chemical processing. Eaton filter bags meet the requirements for high-efficiency, yet also offer long service life and reliability.

Electronics Wafer and chip processing, electronic etching baths, photo-chemical polishing, and high-

purity water filtration and pre-filtration of various membrane filtration processes to improve their cost-effectiveness. Eaton filter bags demonstrate the required purity, efficiency and consistent performance.

Food and beverage Filtration of wine, spirits and beer, removal of particles from edible oils, removal of carbon black from cellulose, slime removal in gelatin, liquid sugar, thick juice, corn syrup polishing, starch processing, milk processing and soft drinks. Many Eaton filter bags conform to FDA and EC food processing standards and can meet the unique and varied demands of these applications.

Metal working Filtration of hydraulic oil, pre-treatment system filtration, precious metal recovery, metal working fluids and

drawing compounds. Parts cleaning machines use our filter bags for minimizing residual dirt on parts.

Paint and lacquer Removal of agglomerates, removal of paint coagulates, solvent filtration, removal of storage contaminants, filling lines, paint mixing lines and monomer purification.

Petrochemicals Filtration of lube oils, fuel additives, enhanced oil recovery, filtration of amine solutions, filtration of glycol fluids, gas purification processes, distillation and cracking processes, amine washers, off-shore filter stations, oil drilling and injection fluids.

Pharmaceutical Recovery of expensive active ingredients, catalyst recovery, active carbon purification and removal, filtration of gelatin, hormones,

vitamin extracts, polishing of herbal mixtures, protein removal from plasma, filtration of saline solutions.

Resins, plastics, inks and coatings Oil and polymer filtration, dispersions, polymerization batches, resins for can coatings, plastics compounding, printing ink, plastics processing, paper coatings, high-purity ink-jet fluid filtration.

Water treatment Well water filtration, water treatment plants, silt removal, pipe scale removal, sand and algae removal from sea water, ion exchange resin recovery, calcium deposit removal, filtration of chemicals used for water treatment, dust removal from cooling tower installations.

	ECOLINE	FLOWLINE	POLYLINE	SIDELINE	TOPLINE	MAXILINE		DUOLINE	MODULINE
Filter bag size	01, 02, 03, 04	01, 02	01, 02	01, 02, 03, 04	01, 02	MBF/MDE	VMBF/VMDE	02	02
Number of filter bags	1	1	1	1	1 to 2	4 to 24	4 to 12	2	2 to 8
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			■	■	■				

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