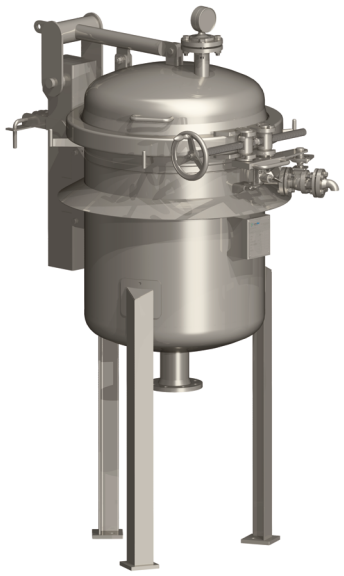
Multi-Bag Filter Housings

MBF-QC - Quick Closure Multi-Bag Filter Housing

The Amafilter® multi-bag filter housing range offers an efficient, cost-effective solution for filtering liquids with high concentrations of coarse solids. Ideal for a variety of applications, it's easy to use and versatile, ensuring reliable performance every time.

Multi-bag filters are ideal for use where high capacities are needed. They are particularly beneficial when handling batches of various liquids.
They are also especially suitable for end filtration or polishing of liquids with extremely low concentrations of solids.

The new MBF-QC multi-bag filter housing is expertly designed to prioritize both safety and operational efficiency.



MBF-QC Features and Benefits:

- **Interlock safety valve:** The valve is mechanically interlocked with a quick closure system. When the system is released to open, the safety valve springs into action, safely releasing any built-up pressure before the filter is opened. This seamless integration ensures that operational safety is guaranteed.

- **Quick Opening Mechanism:** The MBF-QC housing is equipped with an easy-to-turn handwheel, streamlining the opening and closing process. Compared to the standard range, which takes around 20 minutes, the MBF-QC reduces this time to approcimately 5 minutes, minimizing downtime and enhancing operational efficiency.

- **Effortless Handwheel Operation:** Equipped with a handwheel that is easy to turn, reducing the physical effort required, eliminating the need for labour-intensive manual handling.

- **Secured key lock:** While the filter is open, the key stays securely locked in place. Combined with a DCS control lockbox, this feature provides enhanced safety and ensures complete operational security.

- **Spring assisted mechanism:** Reduces the manual effort required to operate the davit arm, enhancing operator safety and efficiency.

- **Fixed vent connection:** the vessel body features a stationary vent connection, eliminating the need for a flexible connection and allowing for a fixed piping set up that ensures complete safety.

Specifications:

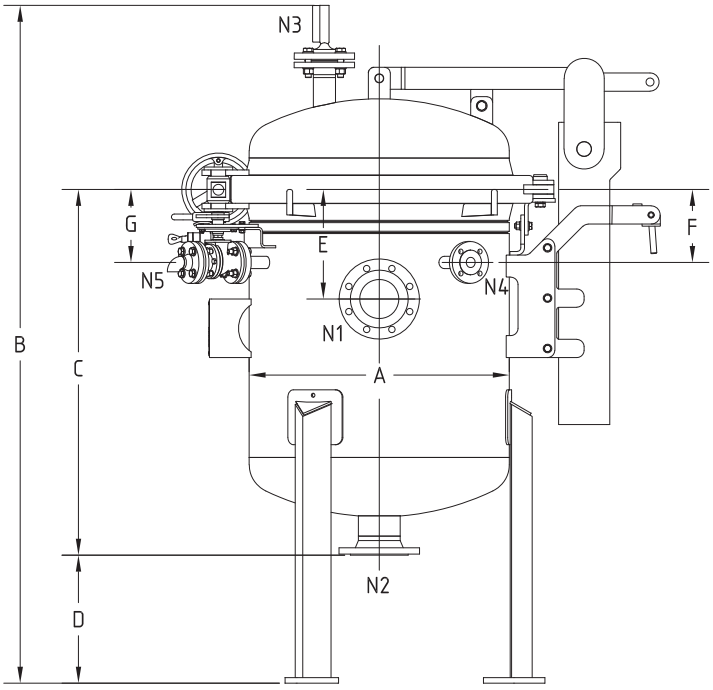
- Available for 3, 4, 6 or 8 filter bags with filtration areas of 1.5, 2, 3 or 4 m^2.
- Designed with a quick closure system: with a hand wheel and special hinge for easy opening and closing.
- Easy to use, good interior sealing and accessibility.
- The filters are available as standard in stainless steel. Other materials on request.
- O-ring sealing: standard EPDM. Viton® and silicone on request.
- Strong stainless steel mesh support basket for low flow resistance and maximum utilisation of entire surface area.
- Slightly conical support basket for easy filter bag removal.
- Perfect sealing between unfiltered liquid and filtered liquid is achieved by a spring-loaded hold-down device onto the filter bag and support basket. The filter bag seals with a felt-covered Snap- Collar ring or plastic seal which tightly fits into the support basket.
- Liquid displacer units are available to further reduce the dead volume inside the filter bags.
- All models come standard with three legs. Brackets are available upon request.

Specifications

Standard specifications

Design pressure : 10 bar(g)
Design temperature : 150 °C
Operating temperature : depending on the filter media and gaskets used
Design : ASME
Approval : PED2014/68/EU
Category III Module Bp+C2
Others on request.

Maximum differential pressure
design : 2.5 bar
operating : 2.5 bar



Options

We offer non-standard filters designed for higher temperatures and pressure ratings (12 bar(g) or more). Choose from materials like Duplex and Monel, and size 1 bags. Contact us for further information.

Filter bags

Amafilter® supply a diverse selection of filter bags. Available in various materials, pore sizes, dimensions, and models, our filter bags seamlessly fit into our bag filter housings and those of other manufacturers.

Specifications

Model	N1 / N2 Inlet / Outlet	N3 Pressure gauge	N4 Vent	Volume (dm^3)	Empty weight (kg)
MBF-QC 2-3/1.5	DN100 PN16	DN50 PN16	DN25 PN16	180	310
MBF-QC 2-4/2	DN100 PN16	DN50 PN16	DN25 PN16	260	360
MBF-QC 2-6/3	DN150 PN16	DN50 PN16	DN25 PN16	370	440
MBF-QC 2-8/4	DN150 PN16	DN50 PN16	DN25 PN16	540	500

Specifications

Dimensions

Model	ø (mm) A	Standout N1 (mm)	Standout N4 (mm)	B (mm)	Width (mm) C	Height (mm) D	E mm	F mm	G mm
MBF-QC 2-3/1.5	508	360	350	1800	950	375	250	200	200
MBF-QC 2-4/2	610	450	400	1800	950	365	300	200	200
MBF-QC 2-6/3	711	500	450	1950	1000	405	300	200	200
MBF-QC 2-8/4	780	550	500	2000	1080	420	330	215	215

Dimensions are for reference only. Use dimensional drawing for installation purposes. Subject to technical alteration without prior notice.

Example

	MBF-QC	2	6	3	3	
Type					1	
MBF					6	
Size					L	
2 = for bag size						
Number of filter bags						
3, 4, 6, 8						
Filtration area M²						
1.5, 2, 3, 4						
Material						
304L = 1.4306 (AISI304L)						
316L = 1.4404 (AISI316L)						
Non-standard flange size						
DN...						

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