

Multi bag filter housing MBQ

amafilter – LFC Lochem (Filtration Group Process Systems) MBQ multi bag filter housing are ideally suited where high filtration capacities are needed and processes which requires frequently bag replacing. Bag filters are being uses in the filtration of liquids containing higher concentrations of coarse solids, handling batches of (various) liquids and as end-filtration or polishing of liquids with minor concentrations of solids.

Features

- Easy to use, quick filter bag replacement
- Quick release cover closure with a spring assisted cover opening mechanism
- Safety locking mechanism on the MBQ housings, which will only allow the housing to be used if activated
- Safety pressure valve release mechanism, which is automatically activated when opening the housing
- MBQ with its compact design does not require a ladder or platform and allows installation where there is limited place
- Excellent sealing between unfiltered liquid and filtered liquid is achieved by a hold-down device. The filter bag seals with a felt covered Snap-Collar ring or plastic flange, which tightly fits into the housing
- Support baskets are constructed in perforated stainless steel
- Liquid displacer units are available to reduce the liquid volume inside the filter bags

Filter bags

Filtration Group supplies a wide range of filter bags in different materials, pore sizes, dimensions and models to fit in our housings as well as those of other manufacturers. For detailed information about amaFlow filter bags, please visit our website www.ama-lfc.com.



→ www.ama-lfc.com

MBQ



Typical application

- Filtration of (non-) hazardous liquids

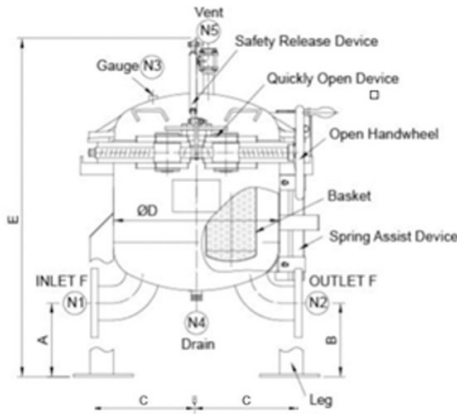
Standard specification

- Design: ASME
- According: PED 2014/68/EU
- Design pressure: -1 / 10 bar(g)
- Design temperature: 0 / 90°C
- Recommended maximum pressure difference: 2.5 bar
- Operating temperature: depending on the filter media and gaskets used
- The filters are manufactured of stainless steel 304 or stainless steel 316
- Available for size 2 filter bags
- Suitable for 3 up to 12 filter bags
- Filtration area: 1.5 up to 6 m²
- Perforated stainless steel support baskets
- Quick release cover closure with spring assisted cover opening mechanism
- Equipped with four legs
- O-ring material: standard EPDM. Other materials on-request such as FPM/Viton® or silicone
- FDA compliant on-request

Customized requirements

We understand that our customer's facing complex processes and environmental requirements. There where a standard filter housing could not be sufficient, our engineers are able to design a custom made filtration solution.

For further information please contact us at www.ama-lfc.com



Ordering information

		1	2	3	4	5	6	7
Example	=	MBQ3-180A-4F-S-NC						
1 Type	=	MBQ						
Number of filter bags	=	3, 4, 6, 8 or 12						
3 Dimensions								
180	=	size 2						
4 Material								
A	=	stainless steel 304						
S	=	stainless steel 316						
5 Inlet/outlet								
4F	=	DN100 flanges (for 3 and 4 bags)						
6F	=	DN150 flanges (for 6 bags)						
8F	=	DN200 flanges (for 8 bags)						
10F	=	DN250 flanges (for 12 bags)						
A	=	ASME						
6 Cover closing								
S	=	spring assisted						
7 Category								
NC	=	according to PED 2014/68/EU Article 4, paragraph 3						
P2	=	according to PED 2014/68/EU - Fluid group 2 (for hazardous and non-hazardous liquids)						

Connections

- N1 Inlet
- N2 Outlet
- N3 Vent
- N4 Drain
- N5 Pressure gauge

Dimensions*

Model MBQ	A / B [mm]	C [mm]	D Diameter [mm]	E Height [mm]	F inlet/outlet [inch]
3 / 4	155	354	558	1325	4"
6	180	475	660	1450	6"
8	215	556	810	1580	8"
12	250	683	965	1700	10"

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

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