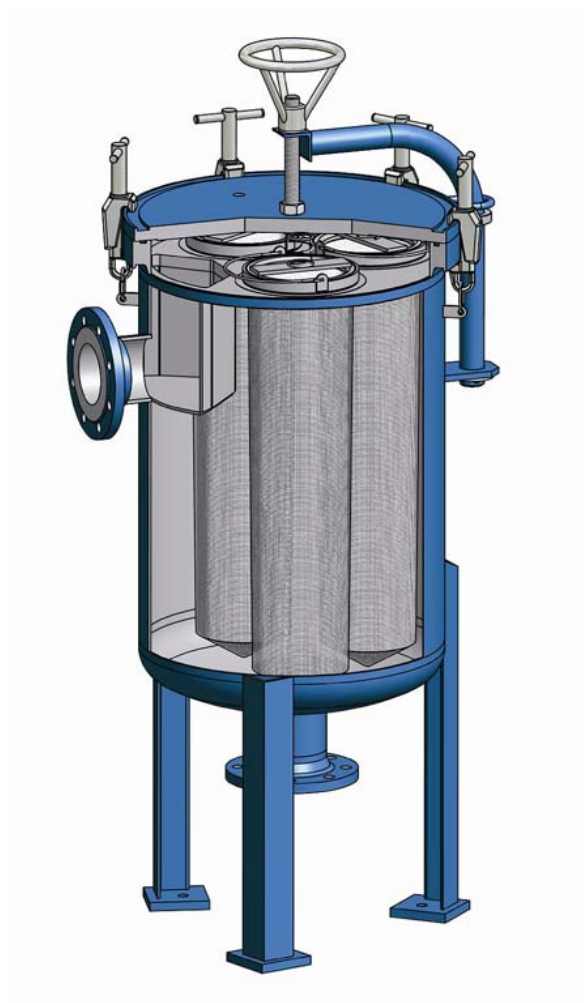


### Multi bag filter MBF

#### 1. Introduction

For a wide number of filtration applications bag filters are a simple, easy to use and economical choice. MAHLE Industrial Filtration supplies a wide range of filter bags and bag filter housings. Multi bag filters are used where high capacities are needed. These bag filters are available for 3 up to 14 bags, with filtration areas of 1.5 to 7 m<sup>2</sup>.

Amfilter bag filters are excellent for use in the filtration of liquids containing higher concentrations of coarse solids. 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.



## 2. Features

- Easy to use, good interior sealing and accessibility.
- The filters are available as standard in carbon steel or stainless steel. Other materials on request.
- Cover and cover lift
  - Models with 3-6 bags:*  
Flat cover with a handwheel operated davit for cover lifting.  
Cover closure with clamping bolts with handles.
  - Models with 8-14 bags:*  
Spherical cover with a hydraulically operated davit for cover lifting. Cover closure with eye bolts with handles.
- 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.
- Three legs on models with 3-6 bags, four brackets on models with 8-14 bags.

## 4. Options

Other options are non-standard filter types for higher temperatures, higher pressure ratings (10 bar(g) or higher), other materials (Duplex, Monel), more bags (up to 24) and size 1 bags. Details are available on request.

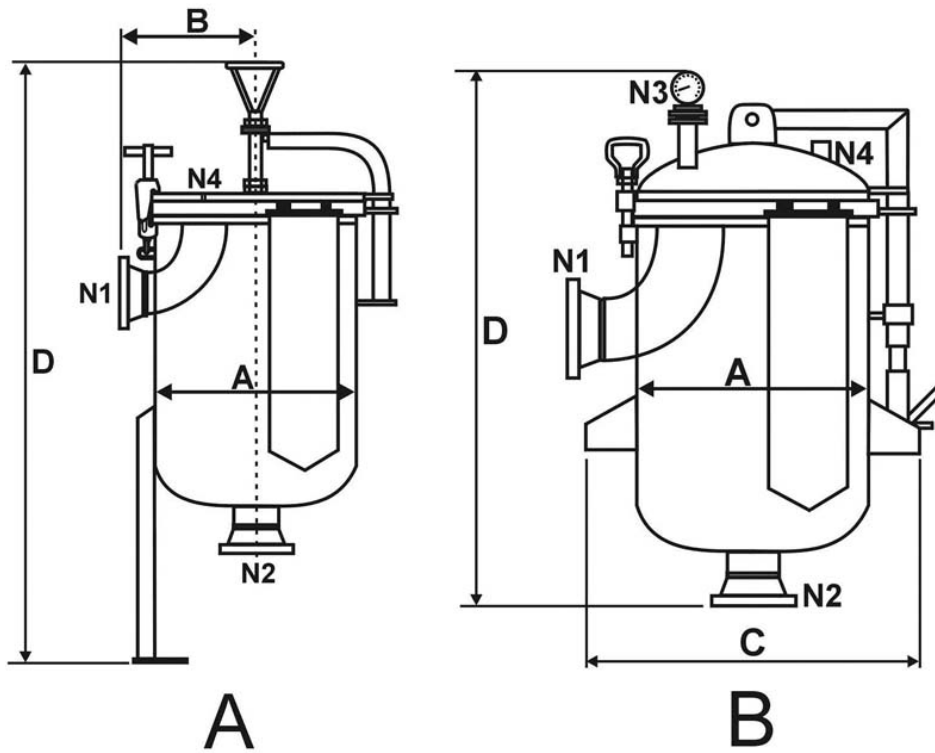
## 3. Standard specifications

Design pressure	: 6 bar(g)
Design temperature	: 150 °C
Operating temperature	: depending on the filter media and gaskets used
Design	: ASME
Approval	: PED 97/23/EC others on request
Maximum differential pressure	
design	: 2.5 bar
operating	: 2.5 bar

## 5. Filter bags

MAHLE Industrial Filtration supplies a wide range of filter bags in different materials, pore sizes, dimensions and models to fit in amafilter housings as well as those of other manufacturers. For detailed information about amaFlow filter bags, please see respective Data Sheets.

## 6. Dimensions



MBF with 3-6 bags

MBF with 8-14 bags

Dimensions									
Model	Ø [mm] A	Standout [mm] B	Width [mm] C	Height [mm] D	N1 / N2 Inlet / Outlet	N3 Pressure gauge	N4 Vent	Volume [dm <sup>3</sup> ]	Empty weight [kg]
MBF 2-3/1.5	508	360	-	1512	DN100 PN16	½"NPT	½" NPT	150	200
MBF 2-4/2	610	450	-	1512	DN125 PN16	½"NPT	½" NPT	220	250
MBF 2-6/3	711	500	-	1512	DN150 PN16	½"NPT	½" NPT	310	360
MBF 2-8/4	780	-	1180	1400	DN150 PN16	DN50 PN16	1" NPT	450	500
MBF 2-12/6	900	-	1300	1400	DN200 PN16	DN50 PN16	1" NPT	600	600
MBF 2-14/7	1100	-	1500	1400	DN250 PN16	DN50 PN16	1" NPT	900	800

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

## 7. Ordering code

Example

	MBF	2	6	3	316L	
<b>amafilter type</b>						
MBF						
<b>Size</b>						
2 = for bag size 2						
<b>Number of filter bags</b>						
2, 3, 6, 8, 12, 14						
<b>Filtration area [m<sup>2</sup>]</b>						
1.5, 2, 3, 4, 6, 7						
<b>Material</b>						
CS = P265GH						
304L = 1.4306 (AISI304L)						
316L = 1.4404 (AISI316L)						
<b>Non-standard flange size</b>						
DN...						

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