

MAHLE

Industrial Filtration

Bag filter
AFN

1. Introduction

The MAHLE Industrial Filtration AFN bag filter housing is an economical filter housing used in process applications such as General Industrial, Chemical, Food & Beverage and Water. The AFN bag filter housings have a top entry and bottom outlet. The housings are manufactured in 304 stainless steel with the option of 316. They are standard electro-polished. Specifically designed to allow the use of standard and special filter bags.



2. Features

- Easy to use
- Cover closing with hinged eye bolts and eye nuts (galvanised steel)
- Hinged cover with handle
- O-ring sealing: EPDM
- Support basket in perforated stainless steel
- Excellent sealing between unfiltered liquid and filtered liquid is achieved by the cover tightening the filter bag into the housing. The filter bag seals with a felt-covered Snap-Collar ring or plastic seal.
- Height-adjustable legs.
- Electro-polish finish standard.
- Vent ports to ensure optimal filtration is achieved.

4. Options

Material

The filter housings are available in 304 or 316 stainless steel. Stainless steel eye bolts and eye nuts at cover closing are optional.

Flanges

The filter housings are available with threaded connections or DN50 flanges.

3. Standard specifications

Design pressure	: 0 / 10 bar(g)
Design temperature	: 0 / 90 °C
PED 97/23/EC cat.	: article 3 paragraph 3

Maximum differential pressure	
design	: 2.5 bar
operating	: 2.5 bar

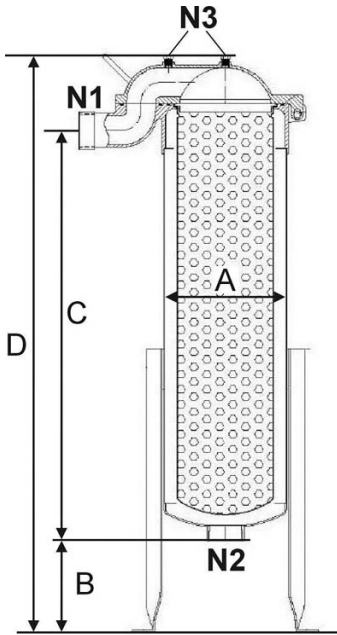
5. Filter bags

This housing is especially suited for our amaFlow filter bags with plastic flange.

MAHLE Industrial Filtration 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 see respective Data Sheets.

6. Dimensions



Nozzle specification	
N1 :	Inlet
N2 :	Outlet
N3 :	2 x Vent (Rp ¼ - ISO7-1)

Size	Dimensions						
	Diameter [mm] A	Standout [mm]	Nozzle Height [mm] B+C	Bottom flange [mm] B	Height [mm] D	Volume [dm³]	Weight [kg]
90	216	Threaded: 258 Flanged: 258	ca. 520 ca. 572	ca. 160	ca. 653 ca. 706	19	max. 26
180	216	Threaded: 258 Flanged: 258	ca. 885 ca. 937	ca. 160	ca. 1019 ca. 1071	32	max. 30

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

7. Ordering code

Example

amafilter type	AFN	180	A	2	EP
AFN					
Size					
90 = for bag size 1					
180 = for bag size 2					
Material					
A = stainless steel 304					
S = stainless steel 316					
AY = stainless steel 304, with stainless steel bolts and nuts					
SY = stainless steel 316, with stainless steel bolts and nuts					
Inlet/outlet					
2 = Rp2 - ISO7-1 (Standard)					
2F = DN50					
Finish					
EP = Electro-polish finish					

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