

# MAHLE

*Industrial Filtration*

## Filter housing Bag filter AFH

For water treatment applications

### 1. Introduction

The AFH bag filter housings have been specially designed for use in water treatment applications. The housings are available in size 1 and size 2. They are manufactured from 304 stainless steel, with an electro-polished finish.

The AFH bag filter housing is an easy to use and economical choice. Typical applications range from pre-filtration for reverse osmosis to filters for washing installations and filters for cooling or heating water.



## 2. Features

- Easy to use
- Cover closing with hinged eye bolts and eye nuts (galvanised steel). Stainless steel bolts and nuts optional.
- Hinged cover with handle
- O-ring sealing: EPDM
- Support basket in perforated stainless steel.
- Liquid displacement cover: no liquid runs over the side when opening the filter.
- Excellent sealing between unfiltered liquid and filtered liquid is achieved by a hold-down device. The filter bag seals with a plastic flange which tightly fits into the housing.
- Height-adjustable legs.
- Electro-polish finish.
- Vent ports to ensure optimal filtration is achieved.

## 4. Filter bags

This housing is especially suited for our amaFlow filter bags with plastic flange. We supply a wide range of filter bags in different materials, pore sizes, dimensions and models to fit in amafiltergroup housings as well as those of other manufacturers.

For detailed information about amaFlow filter bags, please see respective Data Sheets.

## 3. Standard specifications

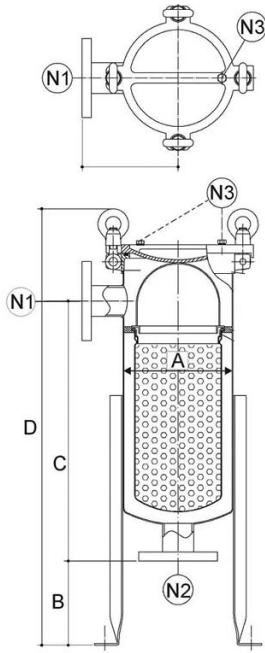
Design pressure	: 0 / 10 bar(g)
Design temperature	: - 10 / 90 °C
Operating temperature	: depending on the filter media and gaskets used
PED 97/23/EC cat.	: article 3 paragraph 3
Maximum differential pressure design	: 2.5 bar
operating	: 2.5 bar

## 5. Options

### *Flanges*

The filter housings are supplied as standard with threaded connections. It can also be supplied with screw-in DN50 flanges as an option.

## 6. Dimensions



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

Dimensions						
Size	Diameter [mm] A	Standout [mm] B	Height [mm] C	Nozze height [mm] D	Volume [dm <sup>3</sup> ]	Weight [kg]
90	216	Threaded: 158 Flanged: 188	max. 1004	max. 320	19	max. 26
180	216	Threaded: 158 Flanged: 288	max. 1369	max. 1190	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	AFH	180	A	2	EP
AFH					
<b>Size</b>					
90 = for bag size 1					
180 = for bag size 2					
<b>Material</b>					
A = stainless steel 304					
<b>Inlet/outlet</b>					
2 = Rp2 - ISO7-1 (standard)					
2F = DN50 acc. EN1092/PN16					
<b>EP</b>					
Electro-polish finish					

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