

# AFZ

## AFZ BAG FILTER

Suitable for hazardous and non-hazardous liquids and gaseous media

Amafilter® offer a wide range of bag filter housings. Bag filter housings are an easy to use and cost effective product for the filtration of liquids containing higher concentrations of coarse solids. They are particularly beneficial when handling batches of various liquids. Amafilter® bag filter housings can be used as end-filtration or for the polishing of liquids with extremely low concentrations of solids.

The Amafilter® AFZ single bag filter housing is suitable to filtrate hazardous and non-hazardous liquids and gaseous media as classified in medium Group I, article 9, paragraph 1 of the PED2014/68/EU directive, with a design filter housing according AD2000 Regelwerk.

### FEATURES

- Easy to operate and to access.
- Effective interior sealing.
- The cover closure has hinged eye bolts and eye nuts in galvanised steel. Stainless steel bolts and nuts are optional.
- Flat cover with handle.
- O-ring sealing: standard Buna N. Other materials available on demand.
- Durable stainless steel metal mesh support basket for low flow resistance and maximum utilisation of entire surface area.
- Slightly conical support basket for easy filter bag removal.
- Liquid displacement cover: leak proof for complete seal when opening the filter.
- Liquid displacer units are available to further reduce the dead volume inside the filter bags.
- 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 feltcovered snap-collar ring or plastic seal which tightly fits into the support basket.
- Height-adjustable legs.
- The maximum temperature for these housings is 150 °C.
- Height adjustable legs.
- Liquid displacement cover design: no liquid runs over the side when opening the filter. Safe and clean operation.



### STANDARD SPECIFICATIONS

Design pressure:	0 / 10 bar(g)
Design temperature:	-10 / 150°C
Operating temperature:	Depending on the filter media and gaskets used
Design:	AD-2000 Regelwerk
Approval:	PED 2014/68/EU cat. II/III

## FILTER BAGS

Amafilter® supplies a wide range of filter bags in different materials, pore sizes, dimensions and models to fit in our range of cartridge filter housings as well as those of other manufacturers.

## OPTIONS

Heating jacket  
Available on request.

## Strainer baskets

The filter housings can be equipped with stainless steel filter baskets in several mesh sizes. The filter housings can then be used as strainers.

## Special models to suit customer requirements

Other options of supply and manufacture are non-standard types for higher temperatures, pressures and other materials according to current design codes, available on request.

## MAXIMUM DIFFERENTIAL PRESSURE

Design: 4.0 bar  
Operating: 2.5 bar

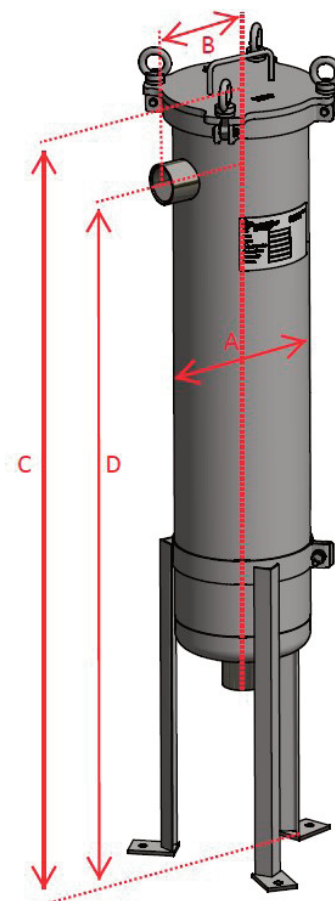
## DIMENSIONS

Nozzle specification

N1 : Inlet

N2 : Outlet

N3 : Vent (Rp ¼ - ISO7-1)



## DIMENSIONAL INFORMATION

SIZE	DIAMETER A	STANDOUT B	HEIGHT C	NOZZEL HEIGHT D	VOLUME	WEIGHT
mm	mm	mm	mm	mm	dm <sup>3</sup>	kg
90	219	210	1020 MAX.	895	21	MAX. 33
180	219	210	1370 MAX.	MAX. 1245	34	MAX. 43

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

## ORDERING CODE

<b>AFZ 180</b>	-	<b>T</b>	-	<b>2F</b>
Type Size		Material		Inlet/Outlet
90 = for bag size 1		T = 316Ti (1.4571)		DN50 acc.EN1092/PN16
180 = for bag size 2				

TY = 316Ti (1.4571)  
with stainless steel  
bolts and nuts

Size 180 Only
3F = DN80 acc. EN1092/PN16
4F = DN100 acc. EN1092/PN16
2FA = 2" ASME B16.5 150 lbs RF <i>on request</i>
3FA = 3" ASME B16.5 150 lbs RF <i>on request</i>
"J" = Heating Jacket (e.g. 3FJ or 2FAJ) <i>on request</i>

