

Single bag filter housing AFE

Within the edible oil industry amafilter – LFC Lochem (Filtration Group Process Systems) bag filters are commonly used during several process steps. The AFE bag filter housings are excellent as safety filtration, after bleaching or as polishing filtration of edible oil. The maximum temperature for these housings is 120 °C.

Features

- Easy to use, good interior sealing and accessibility
- Strong stainless steel 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 bag retainer. The filter bag seals with a felt-covered Snap-Collar ring or plastic seal which tightly fits into the support basket
- Liquid displacement cover: no liquid runs over the side when opening the filter
- 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

AFE



Typical application

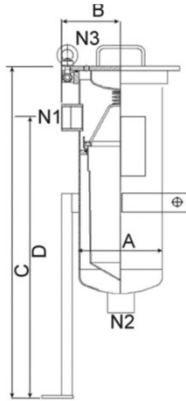
- Filtration of edible oil

Standard specification

- PED 2014/68/EU: article 4 paragraph 3
- Maximum vapor pressure: < 0.5 bar(g)
- Design pressure: 0 / 10 bar(g)
- Recommended maximum differential pressure: 2.5 bar
- Design temperature: -10 / 120 °C
- Filter housing material: 316Ti stainless steel
- Standard cover closing with hinged eye-bolts and eye-nuts.
- Available for size 1 and size 2 filter bags
- Height adjustable legs
- Flat cover with handle
- Mesh support basket
- O-ring material: standard NBR (Buna-N), other material on-request
- FDA or EU1935/2004 compliant on-request

Special models to meet your requirements

Other models suitable for higher temperature, higher pressure or made from another material, are available on-request.



Ordering information

Example: 1 - 2 3 - 4
AFE - 180T - 2F

- 1 Type** = AFE
- 2 Dimensions**
90 = size 1
180 = size 2
- 3 Material**
T = stainless steel 316Ti (1.4571)
TY = stainless steel 316Ti (1.4571) include stainless steel bolts and nuts
- 4 Inlet/ Outlet**
2 = Rp2 - ISO7 - 1
3 = Rp3 - ISO7 - 1
2B = Pipe Ø60.3 mm
3B = Pipe Ø88.9 mm
2F = DN50 acc. EN1092/PN16
3F = DN80 acc. EN1092/PN16
2FA = 2" class 150
3FA = 3" class 150

Nozzle specification

N1: Inlet
N2: Outlet
N3: Vent

Dimensions*

Type	A Diameter [mm]	B Standout [mm]	C Height [mm]	D Nozzle height [mm]	Volum _e [dm ³]	Weight [kg]
90	219	156	max. 1000	max. 895	21	max. 21
180	219	Threaded: 156	max. 1350	max. 1245	34	max. 30
		Flanged: 210				

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

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