Filtration Group®
Process Systems

Single cartridge filter housing
AFL1–S

amafilter – LFC Lochem (Filtration Group Process Systems) offers single cartridge filter housing.

The AFL1 stainless steel cartridge filter housing is designed to accommodate a single filter cartridge. The spring seal construction allows for small deviations in cartridge length. The closure avoids the need for using tools for changing the filter cartridge. The filter cartridge housings are suitable for filtering non-dangerous liquids and conforms to the PED 2014/68/EU article 4, paragraph 3.

Features

- Suitable for a single DOE cartridge
- Closure with T-handle or with tri-clamp
- No tools required for changing the filter cartridge
- All stainless steel 316 construction
- Vent and drain plugs are standard
- Available on-request: single cartridge filter housing configuration suitable for X3 end-caps or with tri-clamp closure for DOE

Filter cartridge

Filtration Group supplies a wide range of filter cartridges in different materials, pore sizes, dimensions and models to fit in our housings as well as those of other manufacturers. For detailed information about our filter cartridges, please visit our website www.ama-lfc.com.

Typical application

- Filtration of water
- Filtration of chemical
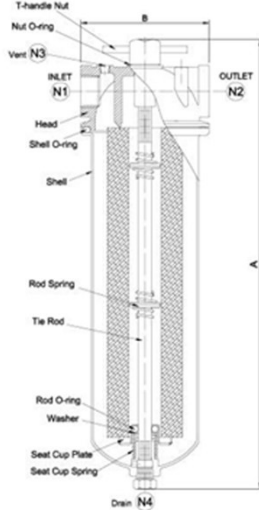- Filtration of food and beverages

Standard Specification

- PED 2014/68/EU: article 4 paragraph 3
- Maximum vapor pressure: < 0.5 bar(g)
- Maximum (operating) pressure: 10 bar at 25 °C
- Maximum (operating) temperature: 90 °C
- Filter housing material: stainless steel 316
- Head: stainless steel 316
- O-ring material: standard FPM, available on-request EPDM
- Standard design: internal construction is designed to suit Double Open End (DOE) or X0, X4 or X9 filter cartridges

Customized requirements

We understand that our customer's facing complex processes and environmental requirements. There where a standard filter housing could not be sufficient, our engineers are able to design a custom made filtration solution.

For further information please contact us at www.ama-lfc.com

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Ordering information

	1	2 3 4 5 6
Example:	AFL1-10S-1- -RP	

1 Type

AFL1	=	single cartridge housing

2 Cartridge Length

10	=	10" (254 mm) length
20	=	20" (508 mm) length

3 Material

S	=	stainless steel 316

4 Inlet/ outlet

1/2	=	1/2" (not available for cover configuration X3 and CL)
3/4	=	3/4"
1	=	1"

5 Configuration cover

No symbol	=	T-handle closure for cartridge style DOE (standard)
X3	=	tri-clamp closure cartridge style for X3 end-caps
CL	=	tri-clamp closure for cartridge style DOE

6 Configuration inlet/outlet

Rp	=	thread (BSP) (standard)
No symbol	=	NPT threads

Nozzle specification

N1	=	inlet
N2	=	outlet
N3	=	vent
N4	=	drain

Dimensions* T-handle model

	A [mm]	B [mm]
AFL1-10	369	106
AFL1-20	623	106

* Dimensions are for reference only. Subject to technical alteration without prior notice.

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