

## Sanitary cartridge filter housing AFS 12-30

amafilter – LFC Lochem (Filtration Group Process Systems) has available a specially designed multi-cartridge filter housing for sterile filter applications. We can offer a range of high quality sanitary filter housings in stainless steel. The AFS-series have proven their quality in the pharmaceutical and beverage industries.

### Features

- Hygienic and compact designed filter housing
- Suitable for 12, 18, 24 or 30 filter cartridges
- Filter housing can be fully drained
- Suitable for length 10", 20", 30" or 40" filter cartridges
- Externally mechanically polished
- Various instrument configurations possible
- Suitable for cartridges with end-cap configuration X7 or X3 and X8

### 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](http://www.ama-lfc.com).



→ [www.ama-lfc.com](http://www.ama-lfc.com)



### Typical application

- Filtration of beverages
- Filtration of non-hazardous fluids
- Filtration of high purity fluids

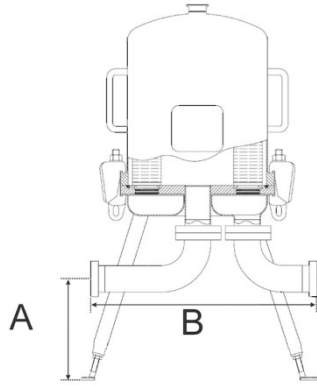
### Standard Specification

- Design code: AD-2000
- PED 2014/68/EU: article 4 paragraph 3, other fluid groups available on request.
- Maximum vapor pressure: < 0.5 bar(g)
- Design pressure: -1 to 10 bar(g) at 40 °C and -1 to 4 bar(g) at 150 °C
- Operating pressure: depending on application
- Operating temperature : depending on application, filter cartridge and gasket
- All parts with fluid contact are stainless steel 316L
- Vessel material stainless steel 1.4404 (316L)
- Tri-clamp closing
- Three adjustable support legs
- One vent connection (1.5" clamp)
- Drain connections optional
- Internally mechanically polished (Ra < 0.8 µm)
- On-request internally mechanically polished (Ra < 0.4 µm) and/or electropolishing (internal/external) are possible
- O-ring sealing: standard silicone, FDA / BfR approved, other materials on request
- Documentation available on-request, please contact your local Filtration Group representative

### 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](http://www.ama-lfc.com)



A = Height Inlet / Outlet  
B = Distance Inlet / Outlet

**Dimensions\***

	Cartridge length	Number of cartridges			
		12	18	24	30
<b>Diameter [mm]</b>		350	400	450	500
<b>Total height [mm]</b>	10"	930	950	825	1000
	20"	1180	1200	1075	1250
	30"	1430	1450	1325	1500
	40"	1680	1700	1575	1750
<b>Additional height required for lifting bowl [mm]</b>	10"				
	20"	290	290	290	290
	30"	540	540	540	540
	40"	790	790	790	790
<b>Volume [dm<sup>3</sup>]</b>	10"	41	54	73	118
	20"	66	85	112	176
	30"	89	115	151	235
	40"	113	146	190	293
<b>Total weight empty [kg]</b>	10"	58	59	85	93
	20"	62	90	63	101
	30"	66	95	68	109
	40"	70	74	100	117

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

**Ordering information**

Example: 1 2 3 4 5 6  
AFS12-4-3M-2-8

**1 Type** = AFS12, AFS18, AFS24, AFS30

**2 Cartridge length**

- 1 = 10"
- 2 = 20"
- 3 = 30"
- 4 = 40"

**3 Inlet/outlet side**

- 2 = 2.0"/DN50
- 2.5 = 2.5"/DN65
- 3 = 3.0"/DN80
- 4 = 4.0"/DN100

**4 Inlet/outlet connections**

- B = weld
- M = DIN 11851 male part
- T = clamp

**5 Drain connections**

- 0 = no drains
- 2 = two drains (clamp 1.5")

**6 Cartridge style**

- 7 = X7 and X6
- 8 = X8 and X3

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