

Sanitary cartridge filter housing AFS3-8

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-serie have proven their quality in the pharmaceutical and beverage industries.

Features

- Hygienic and compact designed filter housing
- Suitable for 3, 5 or 8 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.



→ www.ama-lfc.com



Typical application

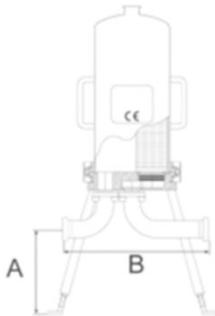
- Filtration of beverages
- Filtration of non-hazardous fluids

Standard Specification

- Design code: AD-2000
- PED 2014/68/EU: article 4 paragraph 3, other fluid group 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



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

Dimensions*

	Cartridge length	Number of cartridges		
		3	5	8
Diameter [mm]		168	219	273
Total height [mm]	10"	816	825	846
	20"	1065	1075	1096
	30"	1314	1325	1346
	40"	1564	1575	1596
Additional height required for lifting bowl [mm]	10"	290		290
	20"	540	540	540
	30"	790	790	790
	40"	1040	1040	1040
Volume [dm³]	10"	7.3	11	21.3
	20"	12.6	20	35.5
	30"	17.8	29.1	49.7
	40"	23.1	38.2	63.9
Total weight empty [kg]	10"	17.4	18	27
	20"	19.4	22	30
	30"	21.4	22	33
	40"	23.4	24	36

Ordering information

Example: 1 2 3 4 5 6
AFS5-3-2M-2-7

1 Type = AFS3, AFS5, AFS8

2 Cartridge length

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

3 Inlet/outlet side

1.5 = 1.5"/DN40
2 = 2.0"/DN50
2.5 = 2.5"/DN65
3 = 3.0"/DN80

4 Inlet/outlet

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

SBR20181025

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

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