

Sanitary cartridge filter housing AFS1

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
- Filter housing can be fully drained
- Suitable for 1 cartridge
- 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

AFS1



Typical application

- Filtration of beverages
- Filtration of non-hazardous fluids

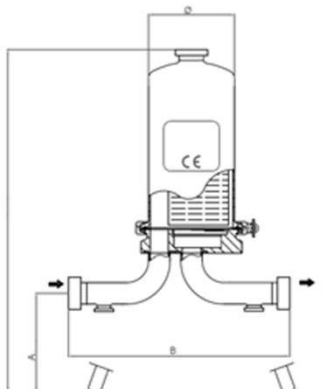
Standard Specification

- 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)
- Closing with double bolted clamp
- Three adjustable support legs
- One vent connection (1.5" clamp)
- Drain connections optional
- Internally mechanically polished ($R_a < 0.8 \mu m$)
- On-request internally mechanically polished ($R_a < 0.4 \mu m$) 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

Ordering information

1 2 3 4 5 6
Example: AFS1-4-1M-2-8

1 Type = AFS1

2 Cartridge length

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

3 Inlet/outlet side

1 = 1.0"/DN25

4 Inlet/outlet

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

5 Drain connections

0 = no drains
2 = two drains (clamp 1")

6 Cartridge style

7 = X7 and X6
8 = X8 and X3

Dimensions*

		Number of cartridges
	Cartridge length	1
Diameter [mm]		102
Total height [mm]	10"	790
	20"	1040
	30"	1290
	40"	1540
Additional height required for lifting bowl [mm]	10"	300
	20"	550
	30"	800
	40"	1050
Volume [dm³]	10"	3
	20"	4.8
	30"	6.7
	40"	8.6
Total weight empty [kg]	10"	7
	20"	8.2
	30"	9.4
	40"	10.6

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

5BR20181025

© 2018 Filtration Group BV. All rights reserved. All trademarks and registered trademarks are the property of their respective owners. All information and recommendations appearing in this document concerning the use of products described herein are based on tests believed to be reliable. However, it is the user's responsibility to determine the suitability for his own use of such products. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Filtration Group BV as to the effects of such use or the results to be obtained. Filtration Group BV assumes no liability arising out of the use by others of such products. Nor is the information herein to be construed as absolutely complete, since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.