

AFS1

SANITARY SINGLE CARTRIDGE FILTER HOUSING

Suitable for pharmaceutical and beverage applications

The amafilter® AFS sanitary cartridge filter housing has been specifically designed for pharmaceutical and beverage applications.

The AFS range including, AFS1, AFS3-8 and AFS12-30, provide single & multi cartridge filter housings for sterile filter applications. The range is manufactured in stainless steel and conform to PED2014/68/EU.

FEATURES

- Stainless Steel cartridge housing
- Hygienic and compact designed filter housing
- Filter housing can be fully drained
- Suitable for one cartridge
- Suitable for length 10", 20", 30" or 40" filter cartridges
- Externally mechanically polished
- Various configurations possible
- Suitable for cartridges with end-cap configuration X7 or X3 and X8
- The maximum temperature for this filter housing series is 150 °C at 4 bar.

STANDARD SPECIFICATIONS

- Design pressure: -1 to 10 bar(g) at 40 °C and -1 to 4 bar(g) at 150 °C
- PED 2014/68/EU: article 4 paragraph 3.
- Maximum vapor pressure: < 0.5 bar(g)
- 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 (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

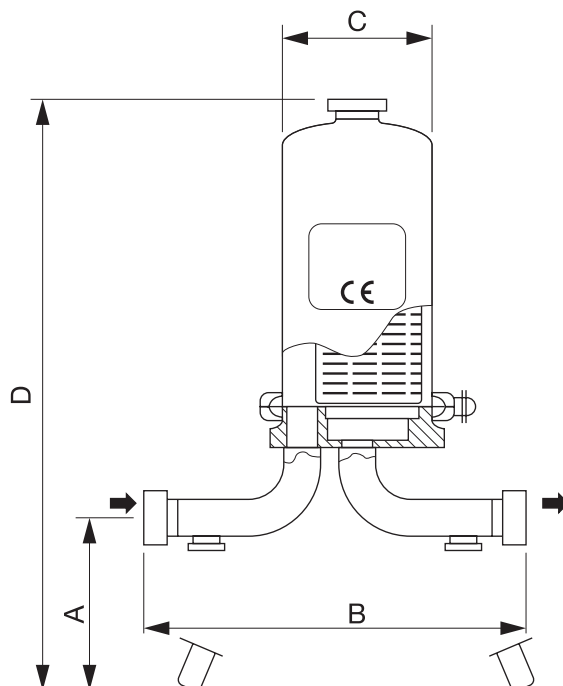


CUSTOMIZED REQUIREMENTS

We understand that our customers face complex processes and a standard filter housing may not be a suitable solution.

Our team of engineers can assist you find the perfect solution to your specific requirements.

Contact us at: www.amafiltration.com/contact-us/



DIMENSIONAL INFORMATION

| Model | Cartridge Length | C | D | Additional Height for Lifting Bowl | Volume | Weight |
|-------|------------------|-----|------|------------------------------------|-----------------|--------|
| | in | mm | mm | mm | dm ³ | kg |
| AFS1 | 10 | 102 | 790 | 300 | 3 | 7 |
| | 20 | 102 | 1040 | 550 | 4.8 | 8.2 |
| | 30 | 102 | 1290 | 800 | 6.7 | 9.4 |
| | 40 | 102 | 1540 | 1050 | 8.6 | 10.6 |

| Mark | Description |
|------|------------------------|
| A | Height inlet / outlet |
| B | Distance inlet /outlet |

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

ORDERING INFORMATION

| | | | | | | | | | | |
|---------------|---|--|---|--------------------------|---|---|---|--|---|--------------------------------|
| AFS1 | - | 4 | - | 1 | - | M | - | 2 | - | 8 |
| Series | | Cartridge Length | | Inlet/Outlet Size | | Inlet/Outlet Type | | Drain Connections | | Cartridge Style |
| AFS1 | | 1 = 10" 2 = 20" 3 = 30" 4 = 40" | | 1 = 1.0" / DN25 | | B = Welded M = DIN 11851 male T = Clamp | | 0 = No drains 2 = 2 Drains (clamp 1") | | 7 = X7 and X6 8 = X8 and X3 |