

# 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

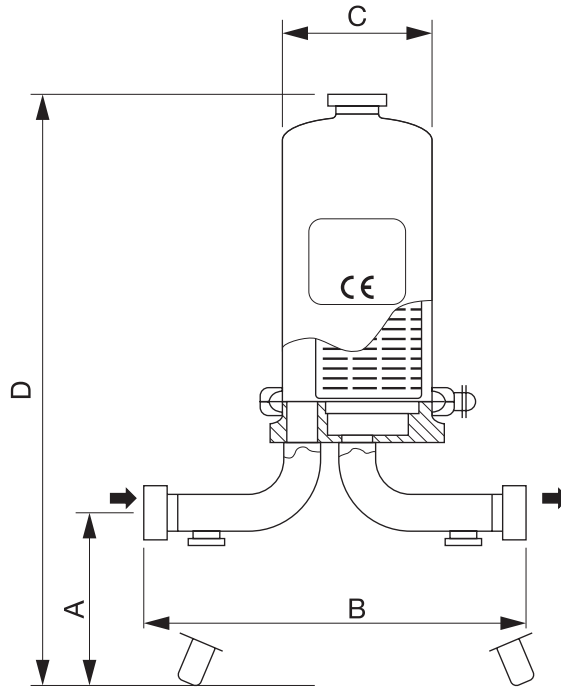


### CUSTOMIZED REQUIREMENTS

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/](http://www.amafiltration.com/contact-us/)



### DIMENSIONAL INFORMATION

| Model | Cartridge Length | C   | D    | Additional Height for Lifting Bowl | Volume          | Weight |
|-------|------------------|-----|------|------------------------------------|-----------------|--------|
|       | in               | mm  | mm   | mm                                 | dm <sup>3</sup> | 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

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

