1. Introduction

The MAHLE Industrial Filtration AFT series of cartridge filter housings have been designed to offer a cost effective range of stainless steel filter housings. Available in a wide range of options these housings are suitable for a broad range of applications, particularly in water applications.
2. Features

- Accepts a wide range of end fittings - Single open end (with or without fin) and Double open end (DOE)
- Suitable for multiple numbers of cartridges
- V clamp closure design
- 304 or 316 stainless steel for wide chemical compatibility
- Ease of use design and construction
- Wide range of inlet/outlet options
- O-ring sealing: EPDM

3. Standard specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design pressure</td>
<td>: 10 bar(g)</td>
</tr>
<tr>
<td>Design temperature</td>
<td>: - 10 / 90 °C</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>: depending on the filter media and gaskets used</td>
</tr>
<tr>
<td>PED 97/23/EC cat.</td>
<td>: article 3 paragraph 3</td>
</tr>
<tr>
<td>Maximum differential pressure</td>
<td>design : 2.5 bar</td>
</tr>
<tr>
<td></td>
<td>operating : depending on type of filter cartridge installed</td>
</tr>
</tbody>
</table>

The internal construction is designed to accept:
- Double open end (X0, X4 and X9)
- Single open end (X3 and X8)

4. Models

MAHLE Industrial Filtration can supply several standard sizes in stainless steel. These are available with threaded connections or flanged.

Other standard filter housings
We also supply other standard filter housings suitable for all industrial liquid and gas applications for various flow rates. For more information please contact your local representative.

5. Filter cartridges

MAHLE Industrial Filtration supplies a wide range of filter cartridges in different medias, pore sizes, dimensions and models to fit in our housings as well as those of other manufacturers. For detailed information about filter cartridge options, please contact your local representative.
6. Dimensions

Nozzle specification
- N1: Inlet (DN50 Flanged / 2" Threaded)
- N2: Outlet (DN50 Flanged / 2" Threaded)
- N3: Vent (Rp ¼ - NPT)
- N4: Drain (Rp ¾ - NPT)

<table>
<thead>
<tr>
<th>Size</th>
<th>Diameter [mm]</th>
<th>Height [mm]</th>
<th>Height [mm]</th>
<th>Volume [dm³]</th>
</tr>
</thead>
<tbody>
<tr>
<td>10&quot;</td>
<td>232</td>
<td>717</td>
<td>221</td>
<td>20</td>
</tr>
<tr>
<td>20&quot;</td>
<td>232</td>
<td>971</td>
<td>475</td>
<td>30</td>
</tr>
<tr>
<td>30&quot;</td>
<td>232</td>
<td>1225</td>
<td>729</td>
<td>40</td>
</tr>
<tr>
<td>40&quot;</td>
<td>232</td>
<td>1489</td>
<td>983</td>
<td>50</td>
</tr>
</tbody>
</table>

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

7. Ordering code

Example

Type
- AFT 7 = 7 cartridges (10")
- AFT 14 = 7 cartridges (20")
- AFT 21 = 7 cartridges (30")
- AFT 28 = 7 cartridges (40")

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

Material
- A = stainless steel 304
- S = stainless steel 316

Inlet/outlet
- 2 = Rp2 - ISO7-1 (standard)
- 2F = DN50 acc. EN1092/PN16

Cartridge style
- no code = X0, X4, X9 style
- X3 = X3, X8 style

Cartridge filter AFT 7-28