1. Introduction

The MAHLE Industrial Filtration AFT 144 cartridge filter housing has been designed to offer a cost effective high flow rate, stainless steel housing. The AFT 144 is suitable for a wide range of applications and exhibits excellent performance in water filtration in particular.
2. Features

- Accepts a wide range of cartridge end fittings – single open end (with or without fin) SOE and double open end (DOE) due to innovative sealing system.
- Suitable for 36 x 40" cartridges for maximum flow rate
- Davit arm as standard
- Eyebolt closure for added security
- 304 or 316 stainless steel construction for maximum chemical compatibility
- Ease of use design and construction
- DN150 flange inlet / outlet as standard
- 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>PED 97/23/EC</td>
<td>article 3 paragraph 3</td>
</tr>
<tr>
<td>Maximum differential pressure design</td>
<td>2.5 bar</td>
</tr>
<tr>
<td>operating</td>
<td>depending on type of filter cartridge installed</td>
</tr>
</tbody>
</table>

The internal construction is designed to suit:
- Double Open End (X0, X4 and X9)
- Single Open End (X3 and X8)

4. Filter cartridges

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

5. Dimensions

![Diagram showing dimensions and nozzle specifications]

- **Dimensions**
  - A: 506 mm
  - B: 2148 mm
  - C: 450 mm
  - D: 498 mm
  - E: 673 mm

- **Nozzle specifications**
  - N1: Inlet DN150 EN1092/PN16
  - N2: Outlet DN150 EN1092/PN16
  - N3: Vent Rp 1"
  - N4: Drain Rp 1½"
  - N5: Pressure gauge connection Rp ¼"

6. Ordering code

Example: AFT144 4 A 6F

- **Type**
  - AFT144

- **Cartridge length**
  - 4 = 40"

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

- **Inlet/outlet**
  - 6F = DN150 acc. EN1092/PN16

- **Cartridge style**
  - No code = X0, X4 and X9 style
  - X3 = X3, X8 style