IN-LINE FILTERS

**FS 25, FS 60**

**Concept**

**Construction**
Filtration is performed by a high-quality uniform mesh.

**Porosity**
The two mesh sizes of 70 µm for the PVDF version and 35 µm for the PEEK version offers optimised protection while allowing sufficient flow rates for our OEM and lab pumps.

**Flow curves**
The displayed flow rates shown on the backpage are measured in our factory using water at 20° C. Any change in density or viscosity of the liquid may affect those flow rates.

**Functions**

**Protection from particulates and fibers**
KNF filters protect both pumps and other upstream instrumentation and hydraulic circuits against particulate, crystals and fibres which can impede optimum operation.

**Chemical resistance**
The use of PVDF and PEEK provides compatibility with a wide range of neutral, aggressive and corrosive liquids, particularly those used in laboratories such as acids, bases, solvents, alcohols and oils.

**Area of use**
For gases and liquids
The KNF filter design makes them equally suitable for use with either liquids or gases.

### TECHNICAL DATA

<table>
<thead>
<tr>
<th>Type</th>
<th>Material*</th>
<th>Mesh opening</th>
<th>Max flow rate (liquids)</th>
<th>Connectors</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS 25 T</td>
<td>PVDF</td>
<td>70 µm</td>
<td>250 ml/ min</td>
<td>for tubes ID 3.2 / 4 mm</td>
</tr>
<tr>
<td>FS 25 X</td>
<td>PEEK</td>
<td>35 µm</td>
<td>250 ml/ min</td>
<td>for tubes ID 3.2 / 4 mm</td>
</tr>
<tr>
<td>FS 60 T</td>
<td>PVDF</td>
<td>70 µm</td>
<td>600 ml/ min</td>
<td>UNF 1/4”- 28</td>
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</tbody>
</table>

* housing and filter mesh
Instructions for priming
When filling the system liquid, flow direction should be from bottom upwards to help air bubbles escape. Air bubbles in the system may influence the dosing accuracy.

Operating instructions / maintenance
Checking pump flowrate / differential pressure
The accuracy of the pump should be checked on an occasional basis for liquid containing a low proportion of particulate crystals or fibres. We recommend that you regularly monitor the differential pressure if your liquid contains a high proportion of particulate, crystals or fibres.

Filter replacement
We recommend filter replacement on a yearly basis as a minimum, and more regularly for applications with heavy concentrations of particulates, crystals or fibres.