

IN-LINE FILTERS FS 25 / FS 60

DATA SHEET FILTERS

In-line Filters FS 60



In-line Filters FS 25



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

Technical Data

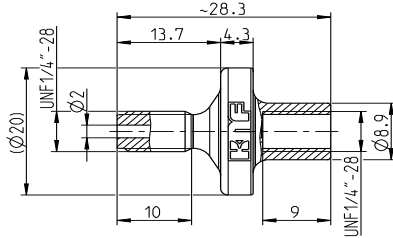
Type	Material*	Mesh opening	Max flow rate (liquids)	Connectors
FS 60 T	PVDF	70 µm	██████████ 600 ml/ min	UNF 1/4"- 28
FS 60 X	PEEK	35 µm	██████████ 600 ml/ min	UNF 1/4"- 28
FS 25 T	PVDF	70 µm	██████ 250 ml/ min	for tubes ID 3.2 / 4 mm
FS 25 X	PEEK	35 µm	██████ 250 ml/ min	for tubes ID 3.2 / 4 mm

* housing and filter mesh

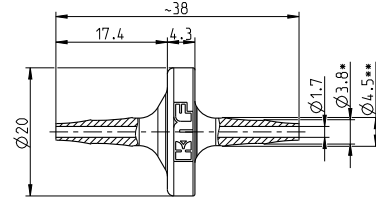
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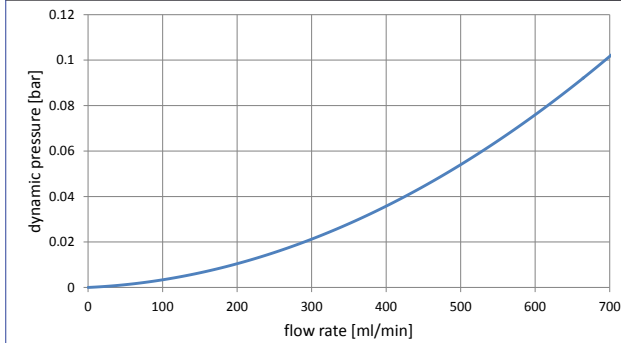


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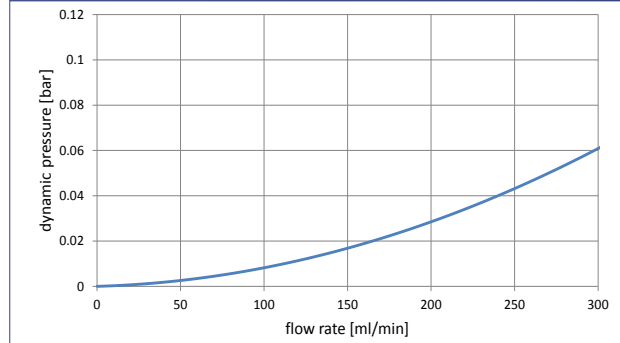


- * Schlauch / Hose ID=3.2mm
- ** Schlauch / Hose ID=4mm

Flow curve FS 60

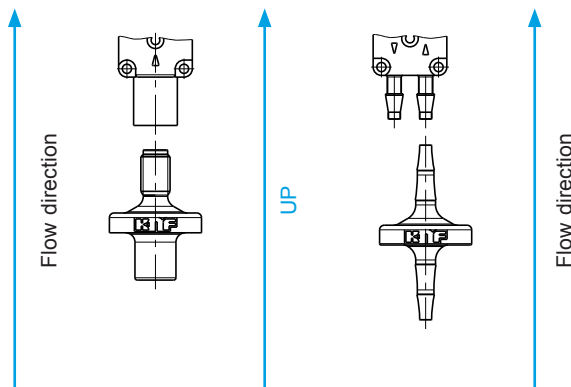


Flow curve FS 25



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.