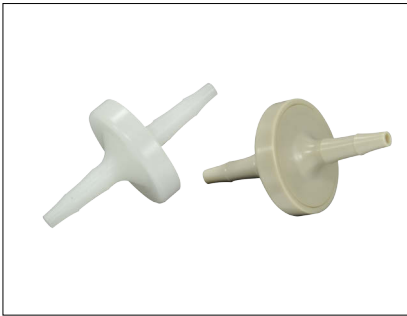


## IN-LINE FILTERS



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

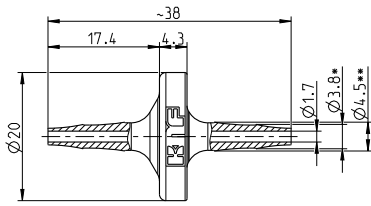
The KNF filter design makes them equally suitable for use with either liquids or gases.

TECHNICAL DATA				
Type	Material*	Mesh opening	Max flow rate (liquids)	Connectors
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
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

\* housing and filter mesh

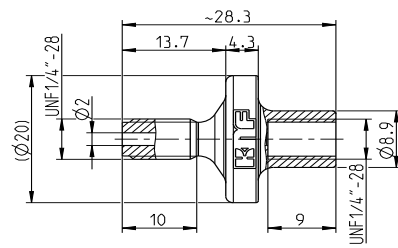
# FS 25, FS 60

## IN-LINE FILTERS FS 25

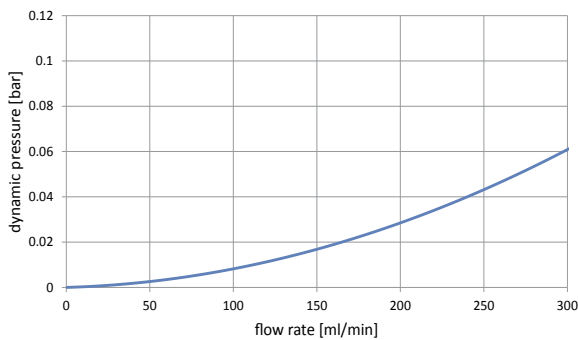


- Schlauch / Hose ID=3,2mm
- Schlauch / Hose ID=4mm

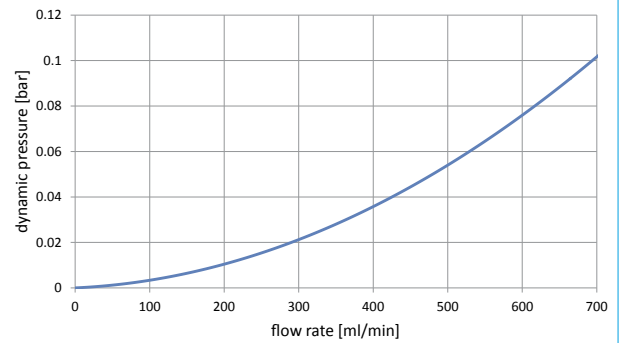
## IN-LINE FILTERS FS 60



## FLOW CURVE FS 25

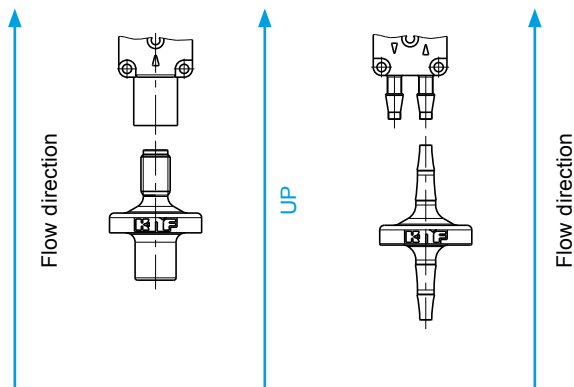


## FLOW CURVE FS 60



## 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.