Science with Passion

Product information - Flow splitter

The flow splitter consists of a needle valve ② and a T-piece ① which can be used in systems up to 50 bar. The T-piece ① splits the flow into two streams. The split ratio can be regulated by using the needle valve ② and capillaries with different inner diameters.

Legend:

① T-piece

② Needle valve

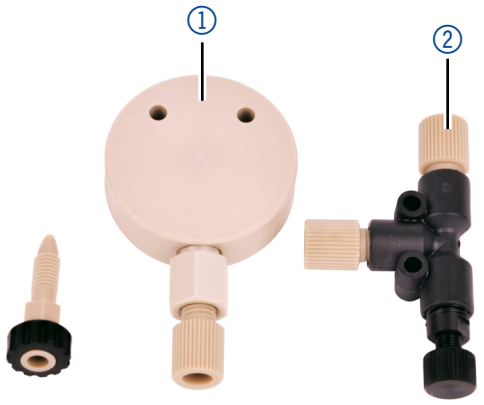

Fig. 1: Flow splitter

Mounting the flow splitter

Prerequisites

- The flow splitter has been unpacked.

Tool

- Capillary cutter

Process

1. Connect the UV detector with the T-piece ① .
2. Connect one port with the fraction collector using 1/8“ tubing.
3. Connect the last port with the needle valve ② using 1/16“ tubing. The used inner diameter depends on the flowrate and the intended split ratio. For higher flowrates or higher split ratio use smaller inner diameters.
4. Connect the needle valve ② with the conductivity monitor using 1/16“ tubing (see 3.).

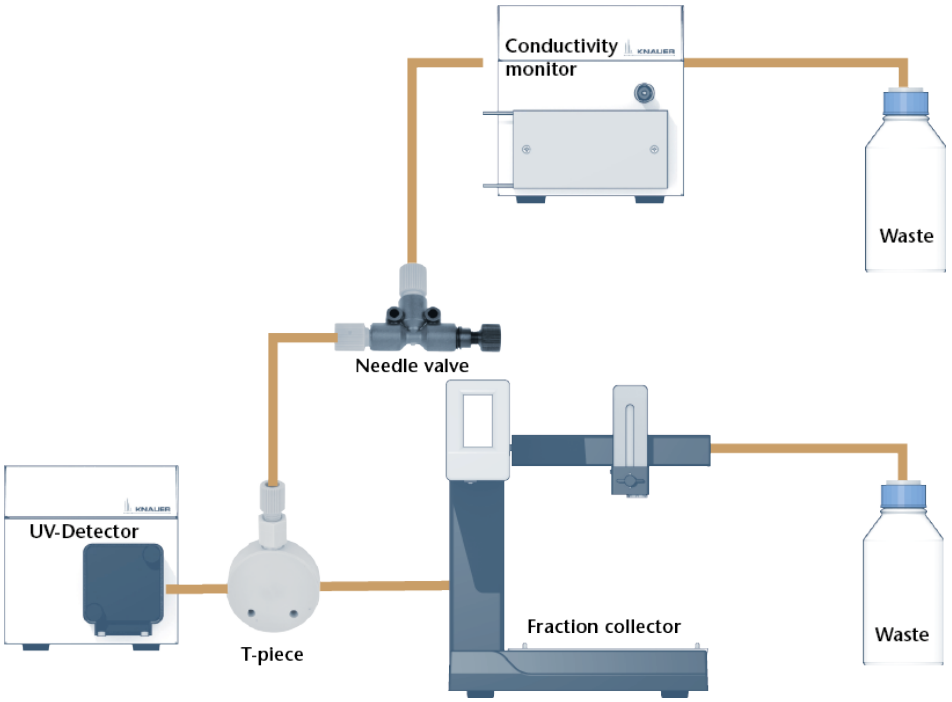

Fig. 2: Mounting the flow splitter

Repeat orders

Name	Order no.
Flow splitter	A5813
Adapter PEEK	A05841
Capillary PEEK, 1/16“, inner diameter 0.13 mm	A2522
Capillary PEEK, 1/16“, inner diameter 0.25 mm	A2524
Capillary PEEK, 1/16“, inner diameter 0.5 mm	A2526