



Important

⚠ Caution

- Filter frit insert will be damaged if metal nuts or ferrules are used.
- Use Trajan fittings (2) ONLY.
- PEEK 1/16" OD tubing (1) may be used to connect the column to injector and detector. For the best results use short pieces of 1/16" OD capillary tubing 0.010" (0.25 mm) ID or smaller.

Instructions

1. Cut the 1/16" OD tubing (1) at the point where the filter is to be installed, making sure that the ends of the tube are clean, square and free from burrs.
2. Insert the 1/16" OD tubing (1) into nut fittings (2) supplied, and allow the tubing to protrude 5 mm beyond the fittings.
3. Insert and finger tighten the nut from the pump (2) into the filter housing (3) ensuring that the tubing (1) remains bottomed against the filter frit assembly (4) during the tightening operation.
4. Allow approximately 15 mL of mobile phase to flush the filter, before attaching the tubing connected to the column end. Repeat step 3 to connect the filter to the column.

Excess back pressure across the inline filter may indicate a blocked inline filter frit assembly (4). If a filter frit assembly blocks, disconnect the column, reverse the filter to flush out the particles. If unsuccessful in unblocking the filter, replace the inline filter frit assembly.

Replacement

Replacement of filter frit insert

1. Disconnect the 1/16" tubing (1) and PEEK filtering nut (2) from each end of the filter.
2. Unscrew the end nut from housing.
3. Locate the replacement filter assembly (4) into the metal housing (3).
4. Replace the end nut (5) and finger tighten the filter unit until leak tight.

With high performance columns, significant efficiency will be lost if long lengths of large ID tubing are employed or if tubing ends are not correctly seated into the frit assembly.

Tip: For a ferrous free HPLC system, our 1/16" PEEKsil® tubing is recommended.

Code	Description
LC-ILFF	Filter frit assembly – 1 µm, PK1
ILF-1	Inline filter – 1 µm, PK1
-	PEEK nut fittings – 1/16" to 10-32 UNF, PK5

Information and support

Visit www.trajanscimed.com or contact techsupport@trajanscimed.com

Specifications are subject to change without notice.