



Introduction



The SilTite FingerTite® fittings system will allow you to install and remove a column without using a wrench. The SilTite FingerTite system is designed to be self installed, the instructions below are written in easy to follow steps.

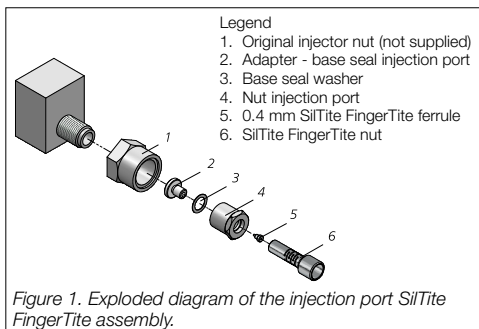
Packing list

5 x SilTite FingerTite nuts - female
10 x 0.4 mm SilTite FingerTite ferrules
1 x Adapter base seal injection port
1 x Nut injector port
1 x Adapter FID
2 x Graphite Vespel® ferrule FID
1 x Ferrule install tool

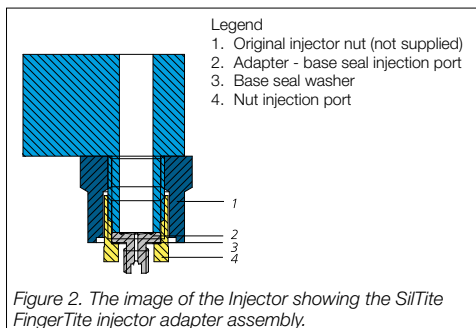
Instructions

Injector adapter installation

This procedure is no different than cleaning the inlet or replacing the seal or base plate. Do not lose any of the items that are replaced.

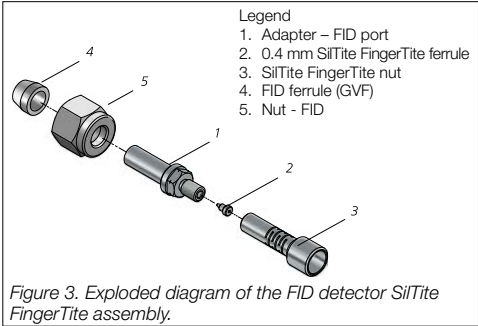


1. Cool the inlet and FID.
2. Remove the column and column nut (if attached). When the inlet is cool remove the septum nut, septum and inlet liner/o-ring. This is a good time to clean the inlet.
3. Remove the thermal insulator from the injector.
4. Unscrew the large nut (1) assembly at the base of the injector, turn anticlockwise. Remove the base injector seal and nut assembly. Retain these original parts.

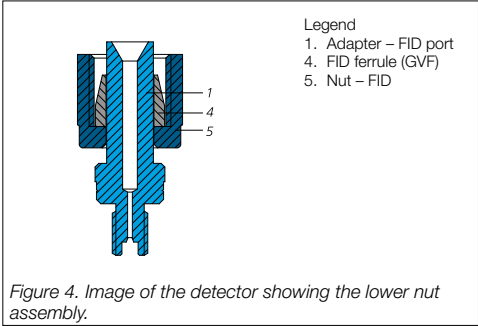


5. From the SilTite FingerTite kit, locate the base seal injection port adapter (2), the base seal washer (3) the injection port nut (4) and assemble as displayed in the Figure 2.
6. Insert the base seal injection port adapter (2) and base seal washer (3) into the base of the injector and tighten with the injection port nut (4) clockwise until firm. Replace the original injector nut (1). Replace the thermal insulator.
7. We recommend reassembling the inlet with a clean inlet liner, new o-ring and new septum.

FID adapter installation



- 1. Ensure the FID nut assembly is cool.
- 2. Remove the column and column nut (if attached).
- 3. Unscrew the large nut assembly at the base of the detector, turn anti-clockwise. Remove the seal and capillary adapter assembly. Retain these parts.



- 4. Locate the adapter FID (1), original nut adapter (4), and ¼" Graphite Vespel® ferrule (5) and assemble as displayed in Figure 4.
- 5. Insert the adapter FID into the base of the detector and finger tighten the nut clockwise until it stops and then an additional ½ a turn with a wrench.

Column installation



- 1. First, slide a SiTite FingerTite nut onto the tubing, followed by a SiTite FingerTite ferrule. The flat base of the ferrule aligns with the nut and the cone points to the detector or injector.
- 2. Using the SiTite FingerTite ferrule install tool displayed in Figure 5, push approximately 20 mm more tubing than required through the install tool. Tighten the nut, using your fingers only to seat the ferrule onto the column – there is no need to use excessive force, once the seal is made the tubing will be held firm and will not move. Use a rule to mark the column insertion distance, then cut the column. The distances for column insertion into Agilent instruments are in Table 1 and are calculated from the back of the ferrule.
- 3. Insert the pre-assembled nut and ferrule into the injector/detector port and screw in the nut using finger force only – again, there is no need to use excessive force to make a seal. You cannot break the capillary column if you over tighten the ferrule, although an over tightened ferrule may stick to the cone of the adapter. To remove an over tightened ferrule we recommend gently levering between the shoulder of the ferrule and the relevant adapter.

Under no circumstances are wrenches or pliers to be used on these fittings.

Injector/Detector	Distance (mm)
Split/Splitless	7.5 - 9.5
FID	67.5

Table. 1 Column measurements for correct assembly.

Information and support

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

Specifications are subject to change without notice.