

## Introduction



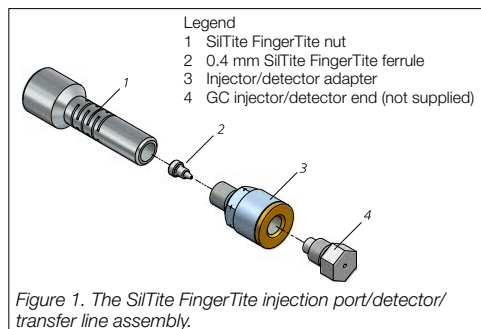
The SilTite FingerTite® fittings system will allow you to install and remove a column without using a wrench. The SilTite FingerTite system is designed to be self installed, the instructions below are written in easy to follow steps.

## Packing list

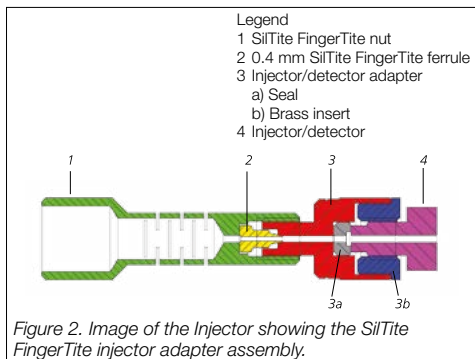
2 x Adapter injector/detector  
5 x SilTite FingerTite nuts – female  
10 x 0.4 mm SilTite FingerTite ferrules  
1 x SilTite FingerTite ferrule install tool

## Instructions

### Injector/detector adapter installation



1. Cool all areas that will receive the new FingerTite adaptors including the injector and the transfer-line, or FID. Vent the Mass Spectrometer per the manufacturer's instructions.
2. Remove the column and column nut (if attached).
3. Locate the adapter interface (3) and ensure that the seal (3a) is in place. The seal is pre-assembled but may have come loose during transit.



4. Using fingers screw the adapter (3) (brass end – 3b) onto the injector/detector/transfer line until it stops. Using a wrench to tighten a further 30° to ensure a good seal. Do not attempt to tighten further as this may damage the injector/detector interface.

### Column installation



1. First, slide a SilTite FingerTite nut (1) onto the column, followed by a SilTite FingerTite ferrule (2). The flat base of the ferrule aligns with the nut and the cone points to the detector or injector.
2. Using the SilTite FingerTite ferrule install tool displayed in Figure 3, push approximately 20 mm more column 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 column will be held firm and will not move. The distances for column insertion into the Varian/Bruker instruments are in Table 1 and are calculated from the back of the ferrule. Use a rule to mark the column insertion distance, then cut the column.

3. Insert the pre-assembled nut and ferrule into the injector/detector/transfer line 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. **Remember that the ferrule will be the temperature of the Injector or transfer-line and may be HOT!!** To remove an over-tightened ferrule we simply 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.** The ferrules will seal for many uses as long as the length of the column into the injector or transfer-line is not changed.

Injector/Detector	Distance (mm)
Split/Spitless injector	9 - 9.5
FID	13.5 - 14
Detector	Add 13 mm to manufacturers' instruction
Transfer-line	Add 13 mm to manufacturers' instruction

Table. 1 Column measurements for correct assembly.

### Information and support

Visit [www.trajanscimed.com](http://www.trajanscimed.com) or contact [techsupport@trajanscimed.com](mailto:techsupport@trajanscimed.com)

*Specifications are subject to change without notice.*