



Column Installation for OPTIC 3

1. Fit a graphite ferrule, of an appropriate internal diameter for the column to be used, to the nut at the base of the injector. The cone of the ferrule has to go into the nut. Avoid the use of Vespel ferrules as these are likely to cause leaks.
2. If standard Pyrex, quartz or thermal desorption liners are used, insert the tip of the column to a depth of 10 to 26 mm depending on the liner used. The depth is measured from the bottom of the nut till the beginning of the column. (advised depth is 25 to 26 mm). Or use the OPTIC 3 column mounting jig (part number: H500024).
3. If fritted liners are used (frit on 15mm) , insert the column until the tip touches the underside of the frit and then withdraw the column approximately 2 mm.
4. On-column liners are fitted with the restriction towards the top of the injector and the column should be introduced into the injector until the column tip engages in the bottom of the restriction.
5. Tighten the nut at the base of the injector until the column is retained within the injector. Use the key supplied (part number H500021).

CAUTION: Do not to tighten the base nut excessively. The injector base is very fragile and can be damaged easily.

6. When installation is complete, all connections should be leak tested with an electronic gas leak detector or a 50/50 solution of -propanol and water.

CAUTION: Under no circumstances should a soap solution or similar be used, as this would contaminate the injector and or column.