

# Varian Isocratic Pump PEEK™ Tubing Kit Installation Instructions

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Kit, PEEK tube 0.02 ID, Binary System, part number 9910138800

## Parts List

**The follow items are supplied with this kit:**

- PEEK (Polyetheretherketone) tubing 1/16 in. OD x 0.020 in. ID, 1.35 m long, part number AL35727
- Nut, 10-32 x 1/16 SS Rheodyne 7011-009, 2 pcs, part number 1610141800
- Ferrule, SS, 1/16 tube Upchurch U-401, 2 pcs, part number 1610143200

## Installing the PEEK Tubing

**Note** The PEEK tubing is supplied as a coil and must be cut to the required lengths. Use a suitable plastic tubing cutter such as a Varian AL3206 Polymer Tubing Cutter. All cuts should be square and burr free. Two nuts and ferrules are provided in this kit as spares in case they are required.

**To install the PEEK tubing:**

1. If you are replacing tubing on an existing system, remove the old tubing first.



### **Warning – Chemical Hazard – Inhalation Hazard**

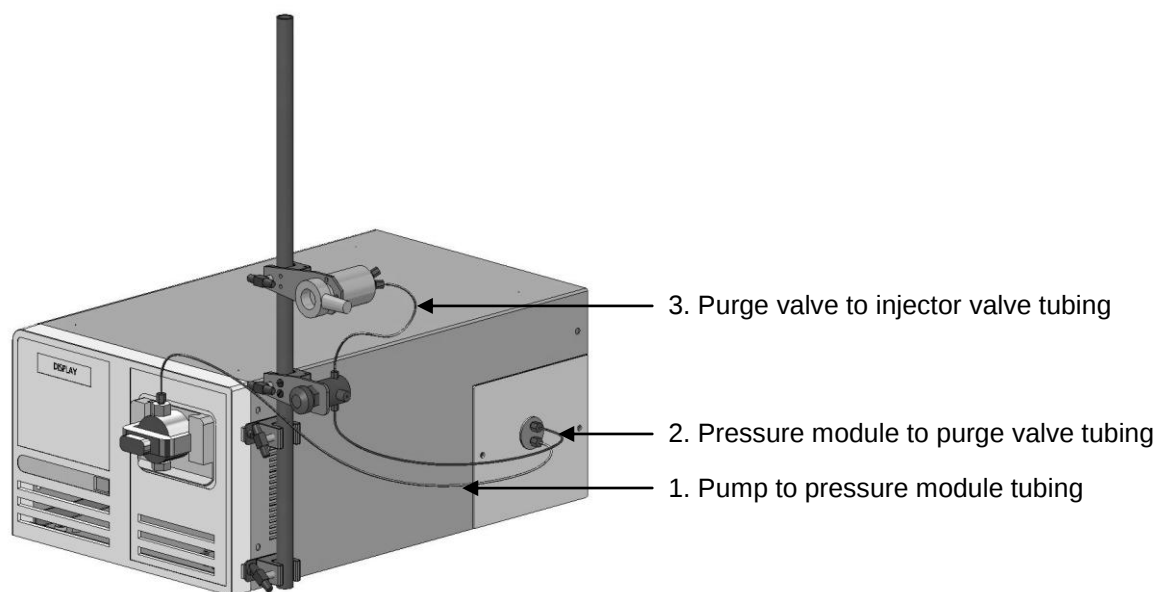
Tubing may contain residual chemicals which may be harmful when in contact with skin or eyes. To avoid injury to personnel or damage to equipment, always follow appropriate safety guidelines when using chemicals and solvents and always wear appropriate safety equipment and clothing.

2. Cut the PEEK tubing to the lengths specified in Table 1.

*Table 1. PEEK tubing lengths*

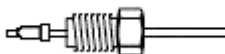
| Item Number | Tubing Description             | Length [m/(in.)] |
|-------------|--------------------------------|------------------|
| 1           | Pump to pressure module        | 0.63/(24.8)      |
| 3           | Pressure module to purge valve | 0.37/(14.6)      |
| 3           | Purge valve to injector valve  | 0.16/(6.3)       |

**Note** See Figure 1 below for the tubing locations.



*Figure 1. Tubing on an isocratic pump*

3. Using the fittings supplied with the component (pump, mixer, pressure module, valves etc.), place the nut and then the ferrule on the tubing. See Figure 2 below for ferrule and nut assembly.



*Figure 2. Placement of nut and ferrule on the tubing*

4. Place the loosely assembled fitting into the check valve port on the pump. Make sure the tubing is bottomed out inside the port. Tighten the nut finger-tight. Tighten the nut an additional  $\frac{3}{4}$  of a turn with a wrench.
5. Repeat Steps 3 and 4 for all tubing ends.

For further information about Varian and our products please contact your local Varian representative or e-mail:

[customercare@varianinc.com](mailto:customercare@varianinc.com)