

Varian Binary Pump PEEK™ Tubing Kit Installation Instructions

Kit, PEEK tube 0.02 ID, Binary System, part number 9910138900

Parts List

The follow items are supplied with this kit:

- PEEK (Polyetheretherketone) tubing 1/16 in. OD x 0.020 in. ID, 2.75 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

Installation of 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)
2	Pump to mixer	0.70/(27.6)
3	Pressure module to mixer	0.37/(14.6)
4	Mixer to purge valve	0.78/(30.7)
5	Purge valve to injector valve	0.16/(6.3)

Note See Figure 1 below for the tubing locations.

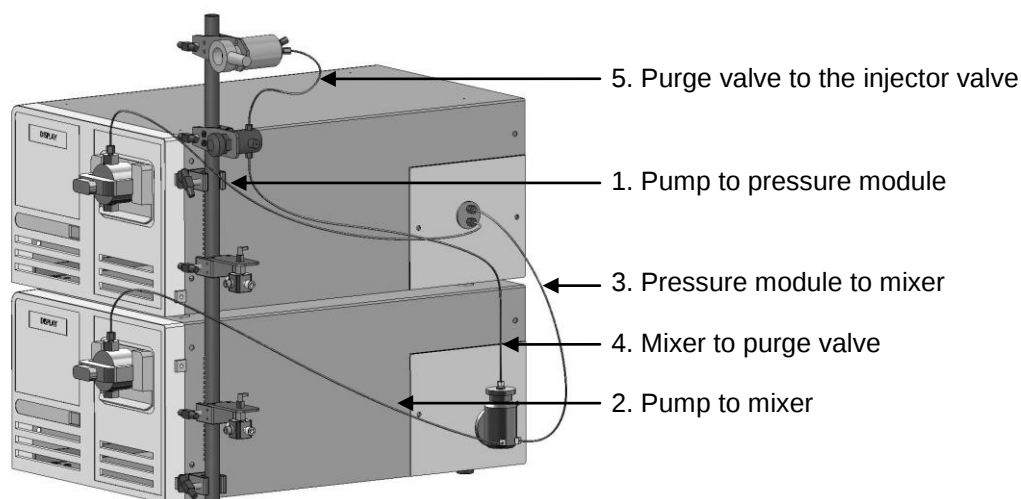


Figure 1. Tubing on binary pumps

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:

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