





LC equipments should be used by trained laboratory personnel only. Use proper eye and skin protection when working with solvents under high pressures. Additional safety requirements or protection may be necessary depending on the chemicals used with this equipment.



### IMPORTANT INSTALLATION INFORMATION

The ALEXYS step-gradient upgrade (p/n 180.0602) is primary intended to be used with the ALEXYS Neurotransmitter base system (p/n 180.0091U). Read the LC connection kit install guide (p/n 180.7001A) before installation.

1. The piston wash tubing is not part of the LC connection kit, it can be found in the LC 110 shipkit (p/n 193.0426). Read instruction in manual 193.0010S.
2. The pulse damper integrated in the OR 110 organizer rack UHPLC (p/n 184.0040U) has three ports one of the ports must be closed with a stainless steel closing plug (nut with solid ferrule) supplied in the shipkit of the organizer rack. Connect the mixing Tee assembly (p/n 180.0228U) to the top-right port of the pulse damper. When connecting the OR 100/110 pulse damper inlet assembly, UHPLC (p/n 180.0210U) to the mixing Tee use the Valco nut & Ferrule pre-mounted on the mixing Tee. Do not use the SSI nut and ferrule (p/n 250.1554 and p/n 250.1556) supplied with assembly 180.0210U, this nut/ferrule should only be used when connecting to the SSI pulse damper directly.
3. For optimal performance it is required to passivate all metal parts in this system using a 15% solution of HNO<sub>3</sub>. See LC connection kit install guide for instructions. The system will operate at high back pressures, make sure that the connection is sufficiently tight, to avoid leakage. A sudden disconnection of tubing in a running system can lead to a large instantaneous pressure drops which can damage the column and other parts of the system.

### Legend LC tubing\*:

- FEP 1/8", 1.59 mm ID, transparent
- Stainless Steel 1/32", 0.25 mm ID, with 1/16" ends
- Stainless Steel 1/32", 0.13 mm ID
- PEEKSIL 1/32", 0.075 mm ID (black cladding)
- PEEKSIL 1/32", 0.050 mm ID (grey cladding)
- Silicone 3 mm, 1 mm ID, transparent
- PEEK 1/16", 0.50 mm ID, orange-striped

\*) Note that the color coding of the LC tubing in the drawing does not necessarily reflect the real color of the corresponding tubing.