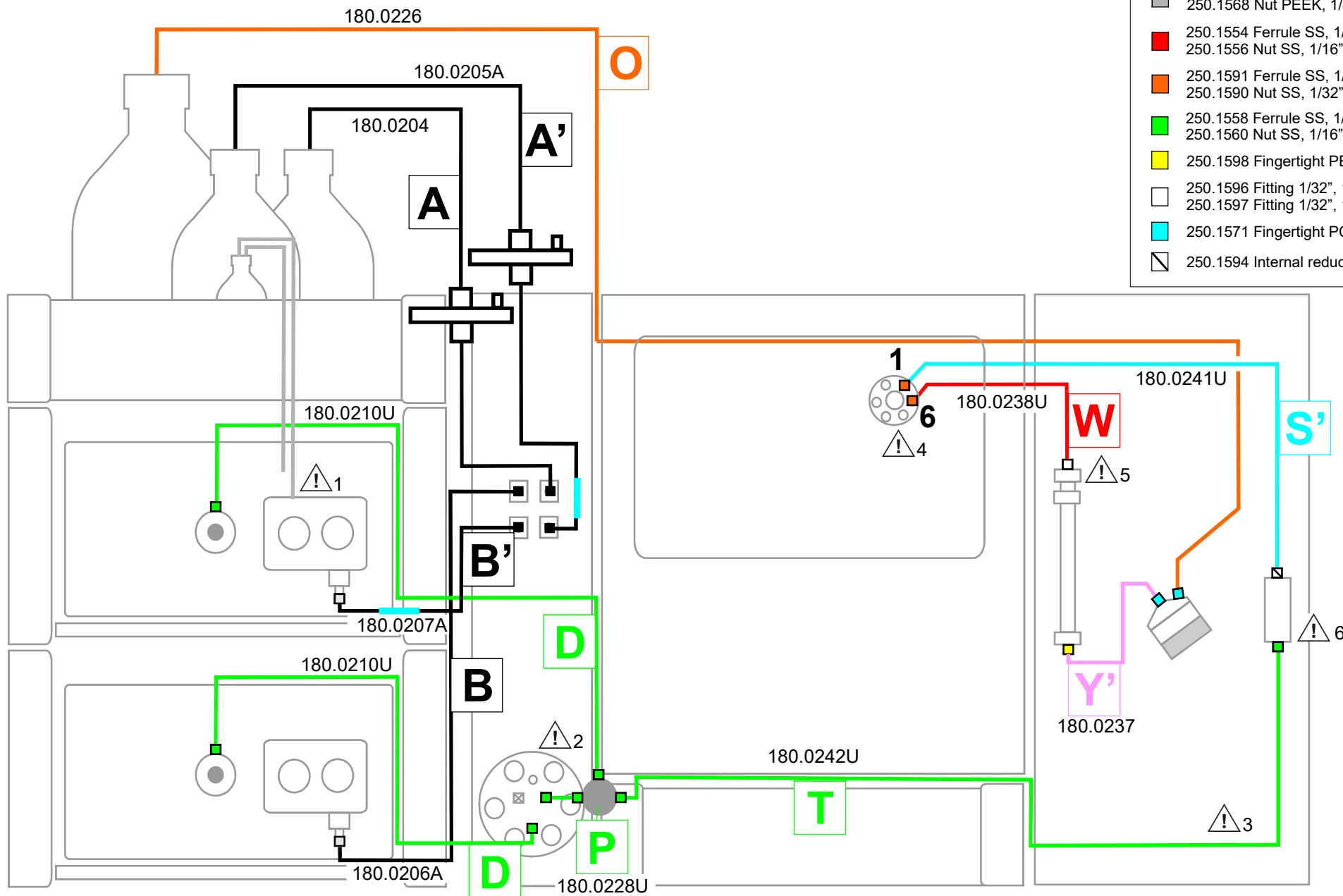




On the backside important installation information is provided for the parts marked with a caution sign.

LC connections

- 250.1550 Ferrule Tefzel, 1/8", flangeless
250.1552 Nut PEEK, 1/8", flangeless, 1/4-28
- 250.1566 Ferrule CTFE, 1/8", collapsible
250.1568 Nut PEEK, 1/8", hex, 5/16-24
- 250.1554 Ferrule SS, 1/16", SSI
250.1556 Nut SS, 1/16", SSI, 10-32
- 250.1591 Ferrule SS, 1/32", Valco
250.1590 Nut SS, 1/32", Valco, 10-32
- 250.1558 Ferrule SS, 1/16", Valco
250.1560 Nut SS, 1/16", Valco, 10-32
- 250.1598 Fingertight PEEK, 10-32
- 250.1596 Fitting 1/32", 10-32, UHPLC or
250.1597 Fitting 1/32", 10-32, Waters comp.
- 250.1571 Fingertight PCTFE, 10-32
- ▧ 250.1594 Internal reducer 1/16"x1/32", 0.25 mm



Installation schematics for analysis of GABA & Glu, UHPLC, using

LC connection kit SCC I, FLEX, UHPLC + GABA-Glu UHPLC kit + LC step-gradient upgrade
(pn.180.0176U) (pn. 180.0504) (pn. 180.0602)



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

For the installation of the LC connections in the drawing the LC connection kit SCC FLEX I, UHPLC (p/n 180.0176U), ALEXYS GABA-Glu SCC kit (p/n 180.0504) and LC step-gradient upgrade (p/n 180.0602) are required. The LC connection kit SCC FLEX I, UHPLC is part of 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 110 pulse damper UHPLC inlet assembly (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 tubing 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 HNO₃. See LC connection kit install guide for instructions
4. Replace the 5 µL SS loop that is default installed in the AS 110 autosampler with the 1.5 µL SS loop (p/n 250.1220) supplied with the ALEXYS GABA-Glu SCC kit.
5. For the connection to the pre-column inlet use the Waters-compatible fittings (p/n 250.1597). The system operates at high pressures and zero-dead volume connections are critical for best performance. Therefore, make sure that the connections are sufficiently tight and tubing ends are properly inserted into the ports when making the connections. A sudden slip of a tubing in a system under pressure can lead to a large pressure drop, which can damage the column and other parts of the system.
6. The large-capacity inline filter should be fixed into the oven compartment of the DECADE II using the 6 mm column clamp (p/n 250.0103K) supplied in the connection kit.

Legend LC tubing*:

 FEP 1/8", 1.59 mm ID, transparent	 PEEK 1/16", 0.064 mm ID, natural or pink-striped
 Stainless Steel 1/32", 0.25 mm ID, with 1/16" ends	 Silicone 3 mm, 1 mm ID, transparent
 Stainless Steel 1/32", 0.13 mm ID	 PEEK 1/16", 0.50 mm ID, orange-striped
 PEEKSIL 1/32", 0.075 mm ID (black cladding)	

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