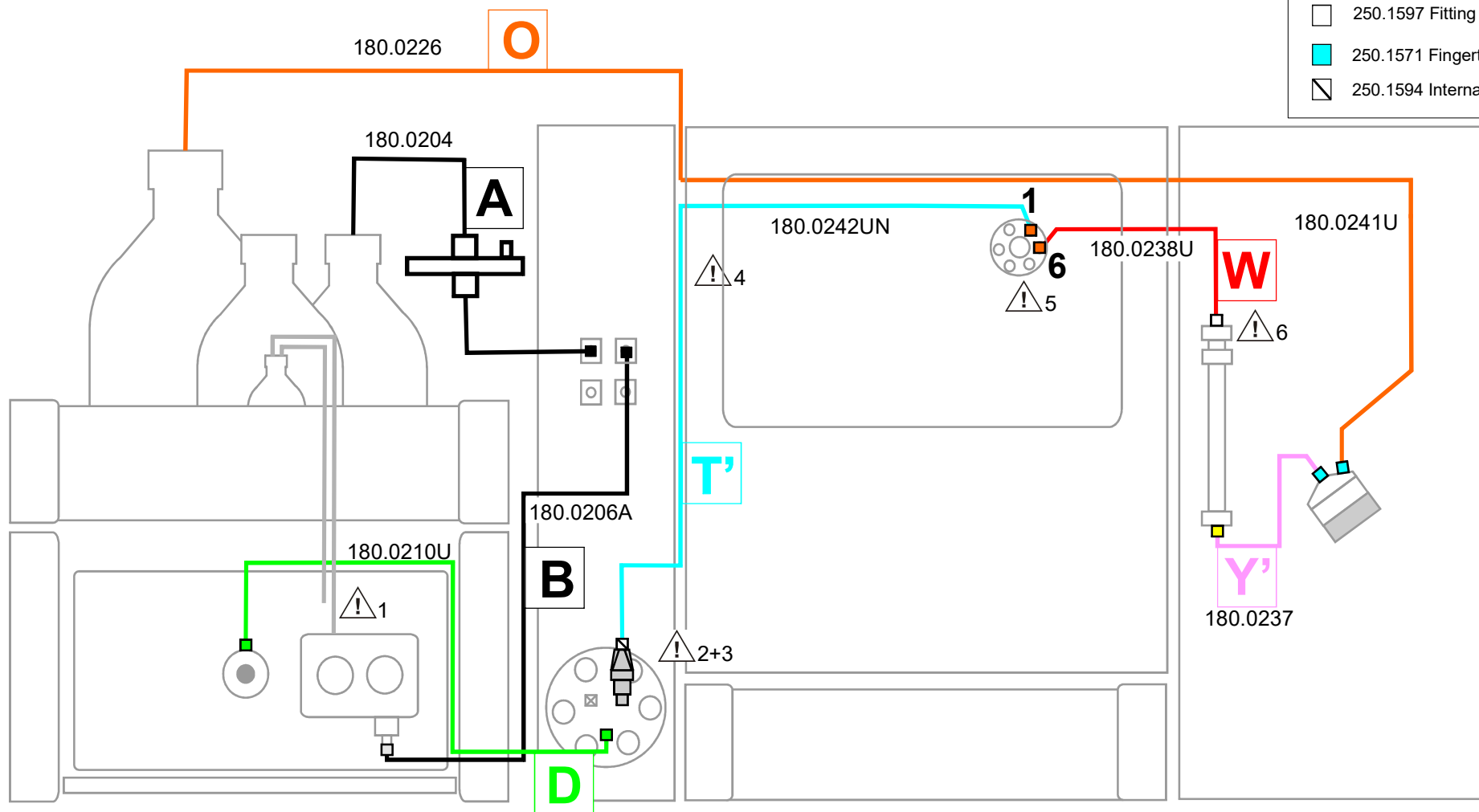




On the backside important installation information is provided for the parts marked with a caution sign.

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
- 250.1570 Fingertight PEEK, 10-32
- 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





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

Read the LC connection kit install guide (p/n 180.7001A), before installation of the LC connection kit.

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.
3. The OR110 PD outlet assembly (p/n 180.0242UN) includes an UHPLC inline filter (p/n 250.1165). The filter should be mounted on the outlet port of the pulse damper as shown on the picture shown below. Note that the flow direction marked on the filter is opposite to the actual flow direction, but this is not relevant because the filter in this case is not applied as a pre-filter on an analytical column. The 1/32" OD tubing is connected to the filter outlet using the internal reducer 1/16" x 1/32" (p/n 250.1594).
4. 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
5. Take care when making tubing connections in the flow path between injector and cell. Make sure that the tubing ends are properly inserted into the ports of the autosampler, column or cell when fixing the connector to avoid dispersion. The tubing end should touch the bottom of the port to achieve a zero dead-volume connection. 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.
6. Connect the pre-column filter on the inlet of the analytical column

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", 0.25 mm ID
- PEEKSIL 1/32", 0.075 mm ID (black cladding)
- PEEKSIL 1/16", 0.064 mm ID, natural or pink striped
- 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.

