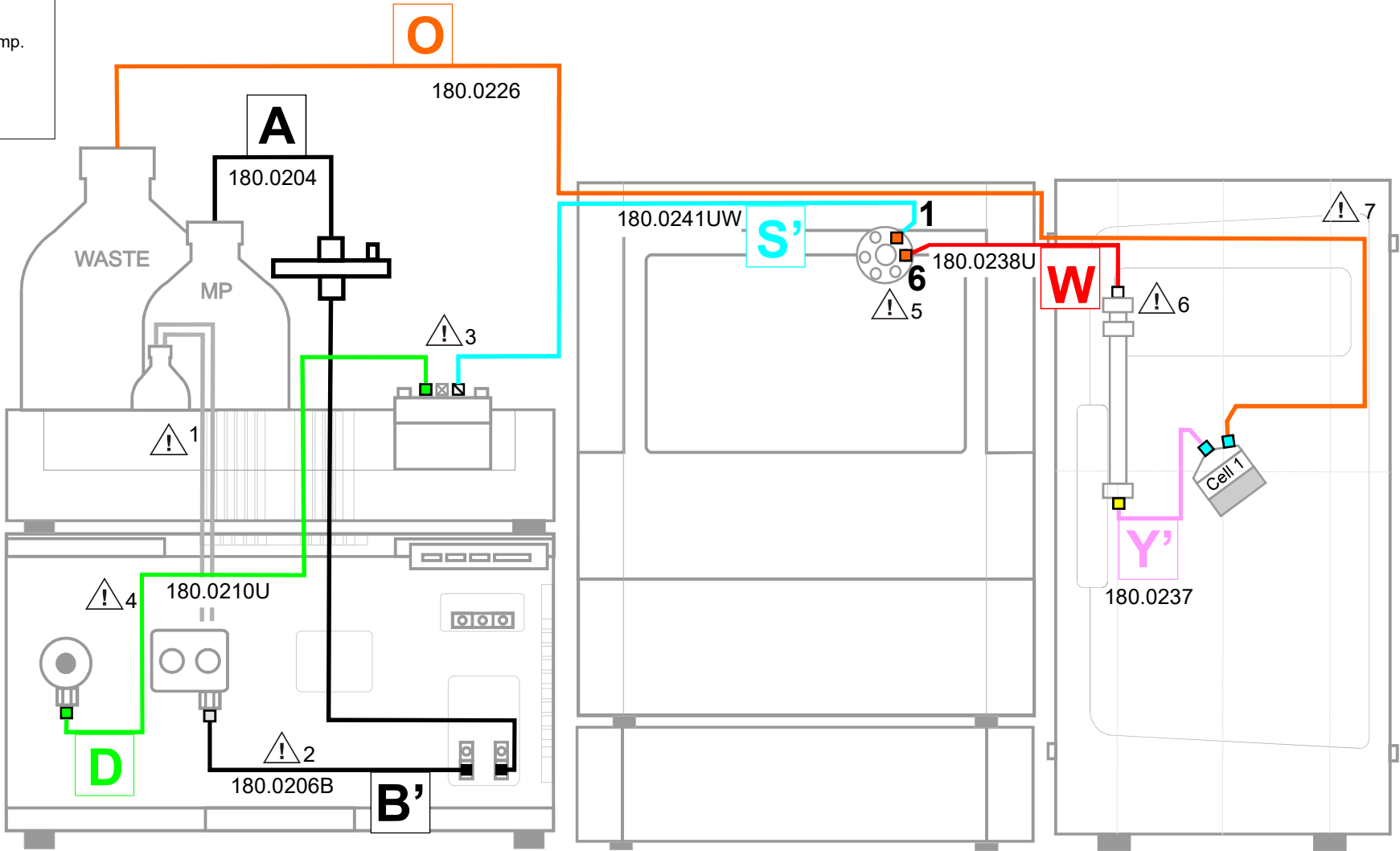


LC connections

- 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
- 250.1594 Internal reducer 1/16"x1/32", 0.25 mm
- 250.1596 Fitting 1/32", 10-32, UHPLC or
- 250.1597 Fitting 1/32", 10-32, Waters comp.
- 250.1570 Fingertight PEEK, 10-32
- 250.1571 Fingertight PCTFE, 10-32



On the backside important installation information is provided for the parts marked with a caution sign. Please read this instructions before starting installation.





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 180.7001W), 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 P6.1L shipkit. Read instruction in manual p/n 194.0010 how to install. Also install the supplied drainage system (funnels, hoses, nozzles) for leak management as described in the pump user manual.
2. In case of a P6.1L pump with integrated degasser, the tubing assembly p/n 180.0206B is already pre-installed. The assembly provided in the kit can be kept as a spare.
3. The UHPLC pulse damper(s) which are placed in the E2.1L eluent tray have three ports. One of the ports must be closed with a stainless steel closing plug (nut with solid ferrule), which is supplied in the shipkit of the UHPLC pulse damper. Read the install guide p/n 180.7040 prior before installation of the 1/32" OD stainless steel tubing with 1/16" ends. In case of a single channel system with one pump install the 40 cm long stainless steel tubing (p/n 180.0210U) supplied in the kit. In case of a dual channel system use the 80 cm long tubing (p/n 180.0242UW).
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. Guideline for connections between the injector and the flow cell:
For columns with Waters-compatible ports use the supplied fitting with p/n 250.1597; for Vici Valco compatible ports use fitting with p/n 250.1596. Install also the pre-column filter. For connections with a VT-03 flow cell instead of SenCell or Flexcell, use from VT-03 shipkit: 250.1575 Fingertight M5
7. The cell cable of the cell marked 'Cell 1' in the drawing should be connected to the corresponding connector marked Cell 1 in upper-right corner of the oven compartment of the detector.

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)
-  PEEK 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.