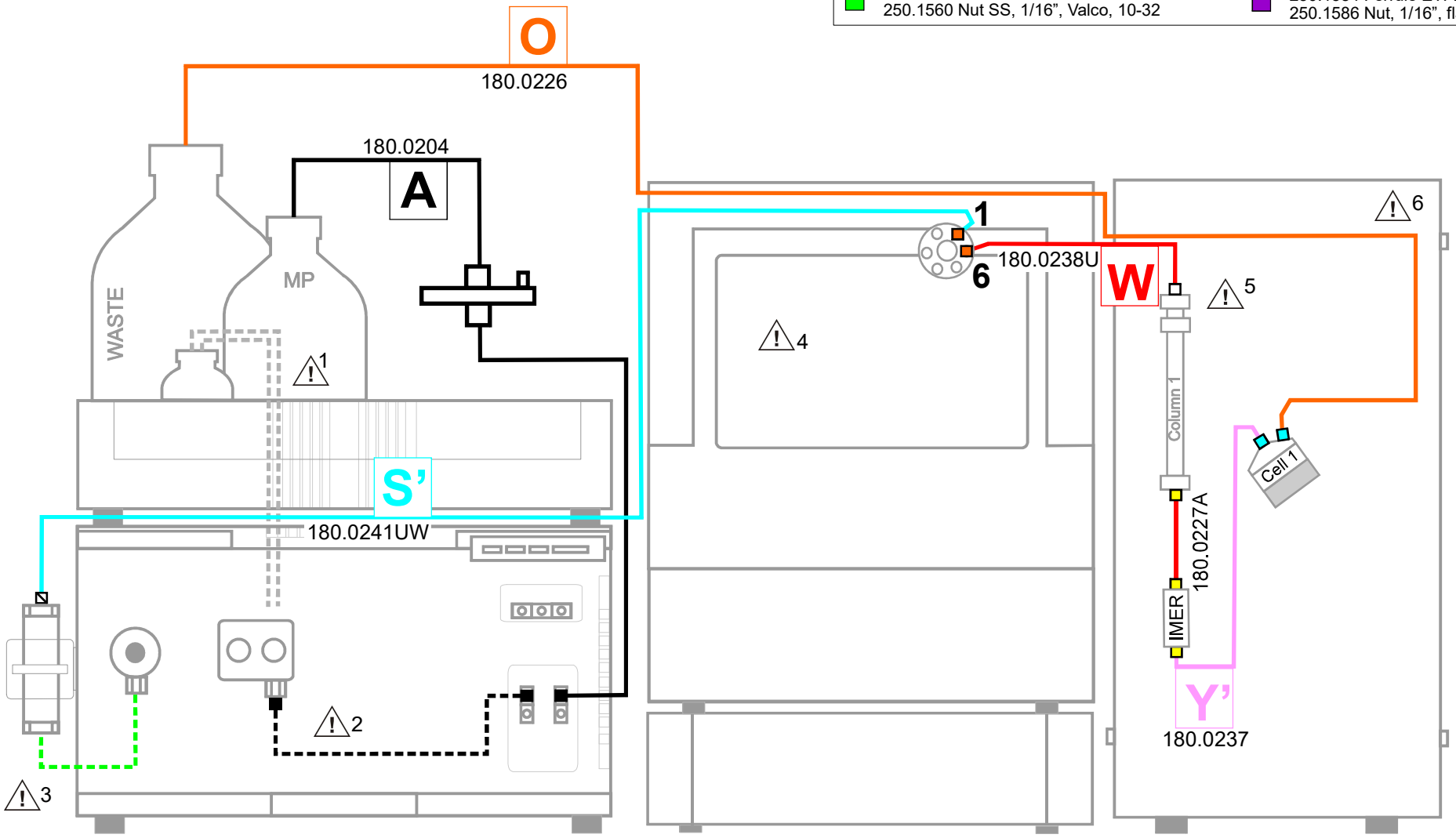
Antec Scientific

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

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, 6-40
- 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
- 250.1587 Internal reducer 1/16"x1/32", 1/32"
  250.1597 Fitting 1/32", 10-32, Waters comp.
- 250.1570 Fingertight PEEK, 10-32
- 250.1571 Fingertight PCTFE, 10-32
- 250.1584 Ferrule ETFE, 1/16", flangeless
  250.1586 Nut, 1/16", flangeless, 1/4-28



Installation schematics for ALEXYS Neurotransmitter Analyzer for the analysis of Acetylcholine and Choline, using

ALEXYS LC conn. kit, UHPLC base (pn.180.0190UW) + add-on parts for ACh/Ch analysis (pn. 180.0505W) + AChE/ChOx postcolumn-IMER (pn. 250.3532)

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 for leak management (funnels, hoses, nozzles) as described in the pump user manual.

2. The P6.1L pump with integrated degasser comes with pre-installed tubing between degasser and pump inlet. Reordering information for a replacement tubing is: Degasser outlet assembly, P6.1 (p/n 180.0206B).

3. The tubing between pump purge valve and pulsedamper is not part of the LC connection kit. This part can be found in the pulse damper shipkit. Follow the LC connection kit install guide (p/n. 180.7001W) for instructions concerning the connection between pump head and pulse damper (paragraph 'Instructions for connecting the flexible 1/32" OD tubing with fused 1/16" end sleeves). The UHPLC pulse damper, p/n 250.EZZ00NB has to be mounted in a bracket on the side of the P6.1 L pump using the parts and instructions supplied in the shipping box of the damper. Reordering information for the tubing is: Pulse damper inlet assembly, UHPLC (p/n 180.0210U).

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. For the connection to the pre-column inlet use the Waters-compatible fittings (p/n 250.1597) or the internal reducer with 1/32" through bore (p/n 250.1587). 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. The LC connection kit install guide (p/n 180.7001W) explains how to connect.

6. 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
- PTFE 1/16", 0.5 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)
- PEEK 1/16", 0.064 mm ID, 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.