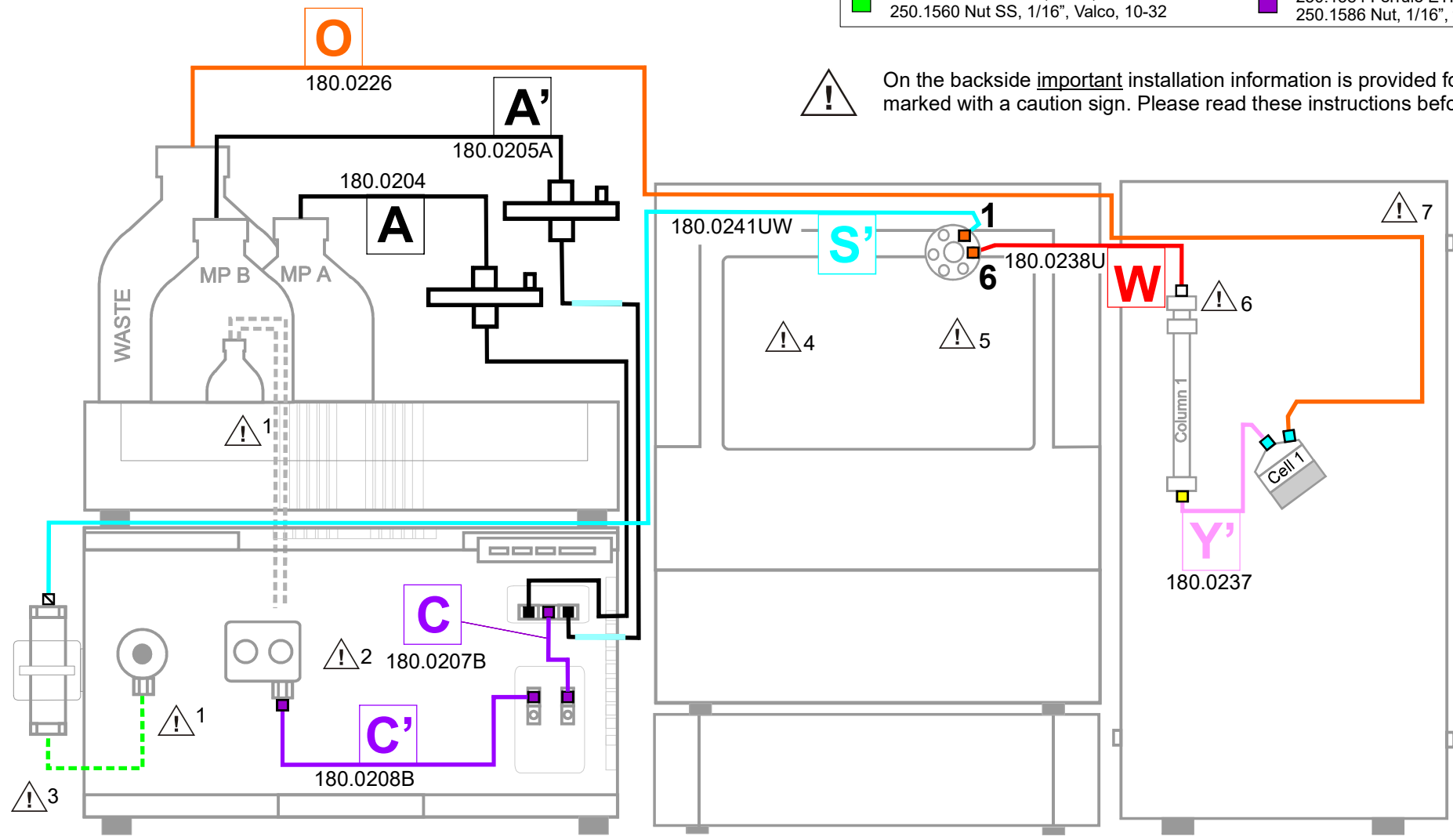


**LC connections**

■ 250.1550 Ferrule Tefzel, 1/8", flangeless	▢ 250.1594 Internal reducer 1/16"x1/32", 0.25 mm
■ 250.1552 Nut PEEK, 1/8", flangeless, 1/4-28	□ 250.1587 Internal reducer 1/16"x1/32", 1/32"
■ 250.1566 Ferrule CTFE, 1/8", collapsible	□ 250.1597 Fitting 1/32", 10-32, Waters comp.
■ 250.1568 Nut PEEK, 1/8", hex, 5/16-24	■ 250.1570 Fingertight PEEK, 10-32
■ 250.1554 Ferrule SS, 1/16", SSI	■ 250.1571 Fingertight PCTFE, 10-32
■ 250.1556 Nut SS, 1/16", SSI, 10-32	■ 250.1584 Ferrule ETFE, 1/16", flangeless
■ 250.1591 Ferrule SS, 1/32", Valco	■ 250.1586 Nut, 1/16", flangeless, 1/4-28
■ 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	

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



**Installation schematics for ALEXYS Neurotransmitter Analyzer for the analysis of GABA & Glu (1-p SSV option), using ALEXYS LC conn. kit, UHPLC base + add-on parts for GABA-Glu analysis (1-p SSV option) (pn.180.0190UW) (pn. 180.0504S)**



**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. A P6.1L pump with integrated degasser and Solvent Switch Valve (SSV) is equipped with a standard inlet tubing set. Replace these tubes with the indicated parts (P6.1L low volume inlet assembly, p/n 180.0245B).
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 HNO<sub>3</sub>. See LC connection kit install guide for instructions.
5. Replace the 5 µL SS loop that is default installed in the AS 110 autosampler for the 1.5 µL SS loop (p/n 250.1220) supplied with the ALEXYS GABA-Glu kit.
6. 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.
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
- 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.