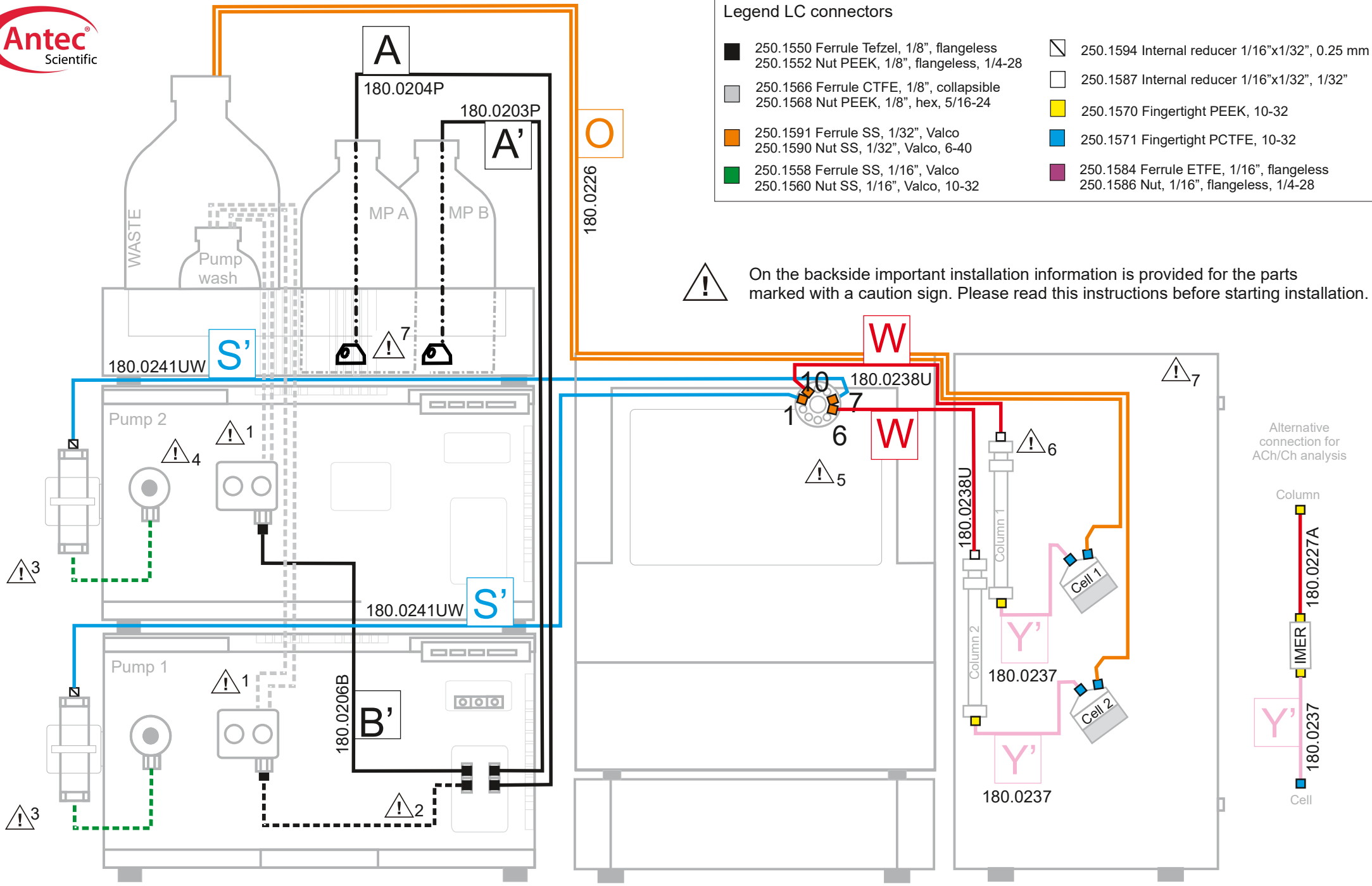




Installation schematics for ALEXYS Neurotransmitter Analyzer for the analysis of 2 UHPLC applications in parallel, using 2 x ALEXYS LC conn. kit, UHPLC base + Add-on parts for 2 parallel analyses (pn.180.0190UW) (p/n 180.0506W).



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. 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 the 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 replacement 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. Option: 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 kit for GABA-Glu
6. 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.
7. Replacement filters can be ordered as '*PEEK filter for 1/8" MP inlet, 2µm*' (pn. 250.1704). When replacing, push the tubing deep into the port that is connected to the bottom inlet until it holds.

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", 0.13 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.