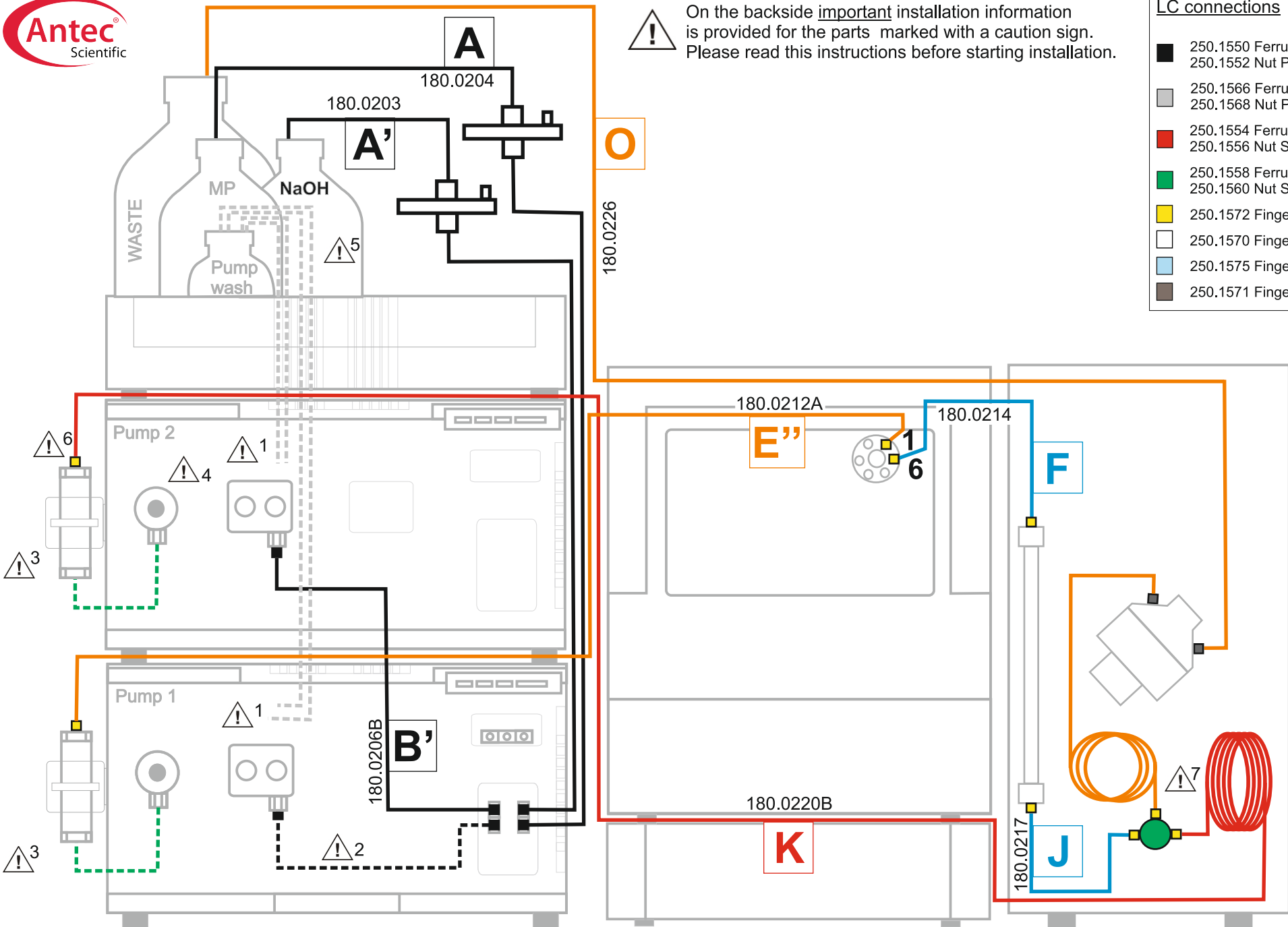




On the backside important installation information is provided for the parts marked with a caution sign. Please read this instructions before starting installation.

**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
■	250.1558 Ferrule SS, 1/16", Valco 250.1560 Nut SS, 1/16", Valco, 10-32
■	250.1572 Fingertight fitting PEEK, hex, 10-32
■	250.1570 Fingertight fitting, PEEK, 10-32
■	250.1575 Fingertight VT-03, M5
■	250.1571 Fingertight Flex/Sencell, 10-32



Installation diagram pn 180.0150W LC connection kit, post-column II, 375 µL



**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 pulse damper 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. Please use the 2.5 L plastic HDPE bottle (p/n 184.0203C) in combination with a prepunctured bottle cap from the glass bottle kit (p/n 184.0202) for the delivery of NaOH. Exposing the analytical column to sodium hydroxide (NaOH) will cause damage to the column. Make sure that the sodium hydroxide bottle is connect to the correct LC line (for post-column mixing), before starting-up the set-up.
6. All PEEK tubing connections in the high pressure part of the LC system are made with PEEK fingertight fittings with a HEX head (pn 250.1572). Use pn 250.0094 Tightening Tool for PEEK hex-head 1/16" nuts (delivered with the kit) to tighten the finger tights firmly. This is necessary to assure that the tubing will not slip out of the connector when the system is under pressure. Sudden loss of pressure might result in damage to for example the pulse damper or analytical column. Do not use a wrench, because with a wrench one might apply too much force and may result in rupture/damage of the plastic connector.
7. Part 180.0220B, post-column mixer assembly 375 µL, consists of three parts: (1) a restrictor (10 meter of coiled red-striped PEEK tubing), (2) a stainless steel mixing T and (3) mixing coil (orange-striped PEEK tubing). The tubing-end of the restrictor should be connected to the pulse damper outlet. The tubing-end of the mixing coil to the inlet of the cell. Make sure that the coil of red-striped PEEK is installed in the oven compartment of the detector for preheating of the eluent.

### Legend LC tubing\*

- FEP 1/8", 1.59 mm ID, transparent
- PEEK 1/16", 0.50 mm ID, orange-striped
- PEEK 1/16", 0.25 mm ID, blue-striped
- PEEK 1/16", 0.13 mm ID, red-striped
- PEEK 1/16", 0.064 mm ID, pink-striped
- Silicone 3 mm, 1 mm ID, transparent
- Stainless Steel 1/16", 0.50 mm ID, metal

\*) Note that the color coding of the LC tubing in the drawing does not necessarily reflect the real color of the corresponding tubing.