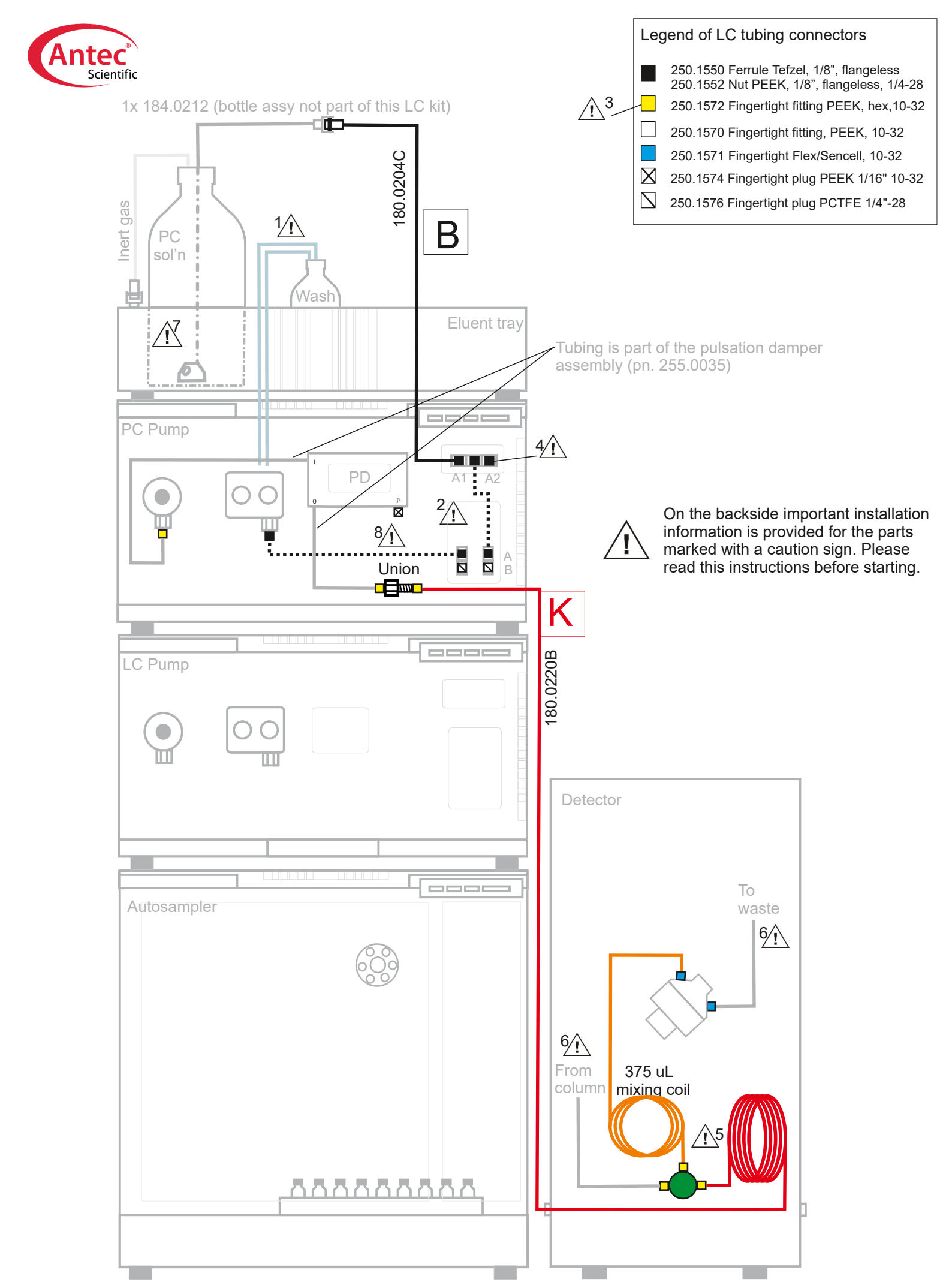

Legend of LC tubing connectors
250.1550 Ferrule Tefzel, 1/8", flangeless
250.1552 Nut PEEK, 1/8", flangeless, 1/4-28
250.1572 Fingertight fitting PEEK, hex,10-32
250.1570 Fingertight fitting, PEEK, 10-32
250.1571 Fingertight Flex/Sencell, 10-32
250.1574 Fingertight plug PEEK 1/16" 10-32
250.1576 Fingertight plug PCTFE 1/4"-28
1x 184.0212 (bottle assy not part of this LC kit)
180.0204C
B
Inert gas
PC sol'n
Wash
Eluent tray
Tubing is part of the pulsation damper assembly (pn. 255.0035)
PC Pump
PD
A1
A2
Union
On the backside important installation information is provided for the parts marked with a caution sign. Please read this instructions before starting.
K
180.0220B
LC Pump
Autosampler
Detector
To waste
From column
375 uL mixing coil

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 (pn. 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 instructions in manual pn. 194.0010 how to install. Also install the supplied drainage system (funnels, hooses, 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 (dotted lines) are already pre-installed. Connect the post-column mobile phase A (NaOH solution) to port A1 of the solvent selection valve (SSV).

3. All tubing connections in the high pressure part of the LC system are made with PEEK HEX head fingertight fittings (pn. 250.1572). Use a tightening tool (pn. 250.0094) to tighten the finger tights firmly. It will prevent that the tubing will slip out of the connector when the system is under pressure. Do not use a wrench, because with a wrench one might apply too much force resulting in rupture/damage of the plastic connector.

4. Sodium hydroxide solutions are corrosive and should not be left in the system with the flow off for long periods of time. A bottle of DI water (flush solvent) can be connected to SSV channel A2 of the pump using the degasser inlet tubing assembly (pn. 180.0204) supplied in the connection kit. Use a standard 2.5L HDPE bottle (pn. 180.0203C) for the DI water, because the use of Helium head space pressure is not required for the flush solvent. After a sample sequence a method can be programmed to flush and clean the post-column flow path with water.

5. The post-column mixer assembly (pn. 180.0220B) consists of 7 meter red-striped PEEK as pressure restrictor to build up system pressure, a PEEK mixer and a small piece of (375 µL) orange-striped PEEK mixing coil as outlet of the mixer. Make sure that the coil of red-stripped PEEK is installed in the oven compartment to get a consistent backpressure.

6. This document describes the tubing connections for this specific post-column LC connection kit only. For installation instructions of the LC-connections of the analytical flow path please refer to the documentation provided with the LC kit of your ALEXYS carbohydrate analyzer (pn. 180.0055W or 180.0057W).

7. Replacement filters can be ordered as '*PEEK filter for 1/8" MP inlet, 2um*' (pn. 250.1704). When replacing, push the tubing into the port that is connected to the bottom inlet until it holds.

8. The pulsation damper tubing should be connected to the union (pn. 250.1582). Then connect the outlet of the union to tubing K.

Legend LC tubing*:

- FEP 1/8" OD, 1.59 mm ID, transparent
- Stainless Steel 1/32" OD, 0.25 mm ID, with 1/16" ends
- PEEK 1/16" OD, 0.25 mm ID, Blue-striped
- PEEK 1/16" OD, 0.13 mm ID, red-striped
- PEEK 1/16" OD, 0.064 mm ID, pink-striped
- Silicone 3 mm OD, 1 mm ID, transparent
- PEEK 1/16" OD, 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.