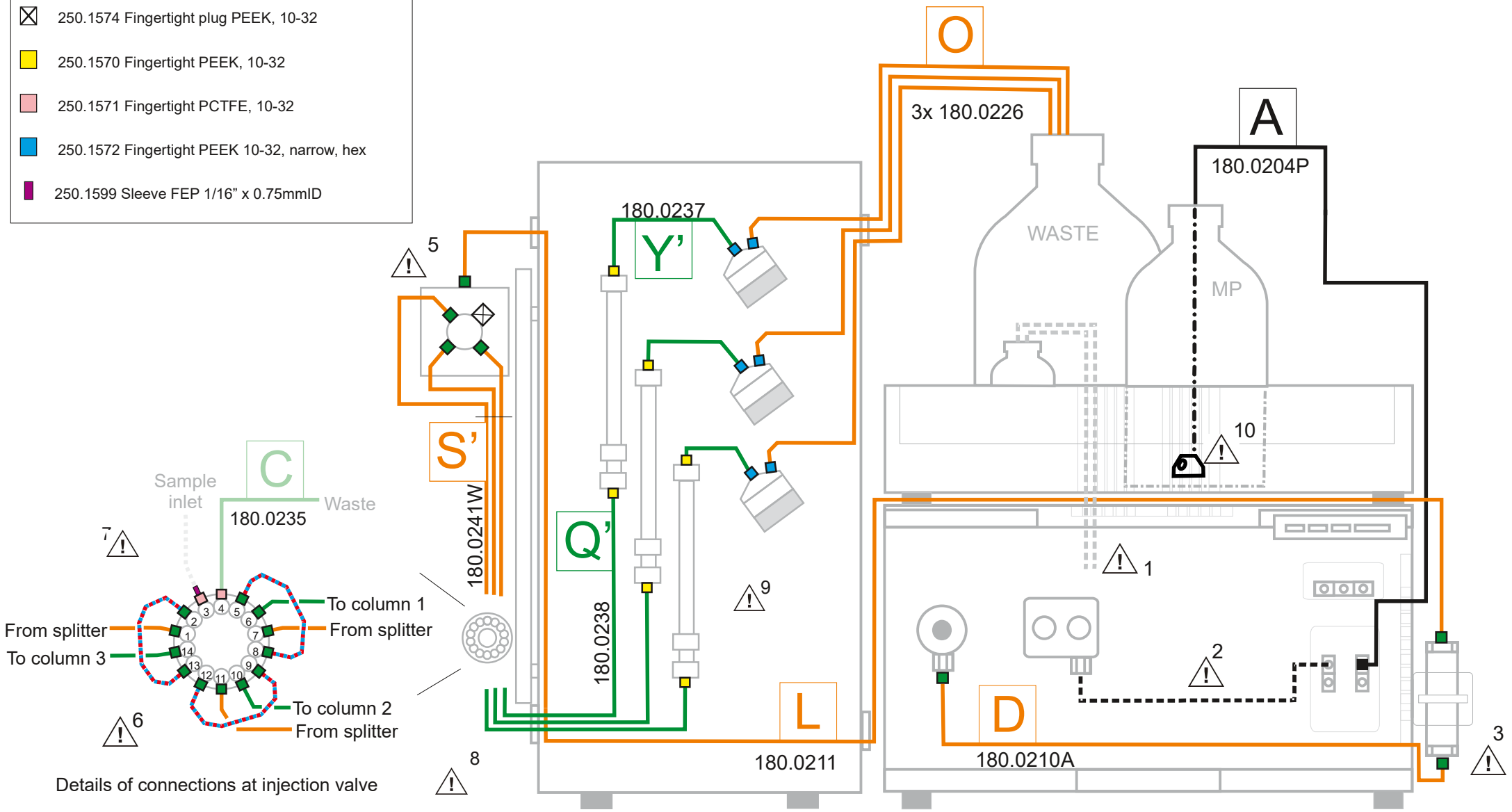
Legend LC connectors

- 250.1550 Ferrule Tefzel, 1/8", flangeless
  250.1552 Nut PEEK, 1/8", flangeless, 1/4-28
- 250.1558 Ferrule SS, 1/16", Valco
  250.1560 Nut SS, 1/16", Valco, 10-32
- 250.1574 Fingertight plug PEEK, 10-32
- 250.1570 Fingertight PEEK, 10-32
- 250.1571 Fingertight PCTFE, 10-32
- 250.1572 Fingertight PEEK 10-32, narrow, hex
- 250.1599 Sleeve FEP 1/16" x 0.75mmID

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



Details of connections at injection valve

Installation schematics for ALEXYS OMD High Throughput, using
ALEXYS LC conn. kit, el. inj. base + add-on parts for OMD Time Resolution
(pn.180.0193W) (pn. 180.0512W)

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 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.

4. Install the valve mounting panel (pn 250.0030E) and the OMD valve (pn 250.0014E) on the left side panel of the DECADE Elite using the supplied M3 mounting screws and brackets supplied in the kits (see documentation supplied with the parts).

5. Install the 5 port manifold assembly (p/n 250.1805) on the highest bracket mounting position on the valve mounting panel. Close the top port of the manifold with the fingertight plug (p/n 250.1574) supplied with the tubing assembly p/n 180.0241W.

6. All accessories for online sampling (syringe pump, tubing, microdialysis probes etc.) are not part of the ALEXYS system. To connect the microdialysis tubing to the 1/16” inlet port of OMD valve (port 3) a PCTFE fingertight (p/n 250.1571) with FEP sleeve (p/n 250.1599) is provided. FEP tubing is relatively soft, do not overtighten the nuts too much to avoid closure of the waste lines (p/n 180.0235).

7. A loop tubing assembly (p/n 180.0254) is provided to prepare tailor-made loops, with a volume between 2 – 10 µL, for the ALEXYS system. Both 127 (red-striped PEEK) and 250 µm ID (blue-striped PEEK) tubing is provided in the kit. When using the 127 µm ID tubing, approximately 8 cm (length) per 1 µL loopvolume is needed. With the 250 µm ID tubing, approximately 2 cm / 1 µL loop volume. See Appendix II of the LC connection kit install guide (p/n 180.7001W) for detailed instructions.

8. 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.

9. For identification of the lines, the labels “1”, ”2” and “3” from the TCC label set (p/n 802.0406) can be adhered to the tubing of the three different LC channels.

10. Replacement filters can be ordered as ‘*PEEK filter for 1/8” MP inlet, 2um*’ (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
- 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, natural or pink-striped
- Silicone 3 mm, 1 mm ID, transparent
- FEP 1/16”, 0.75 mm ID, transparent

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