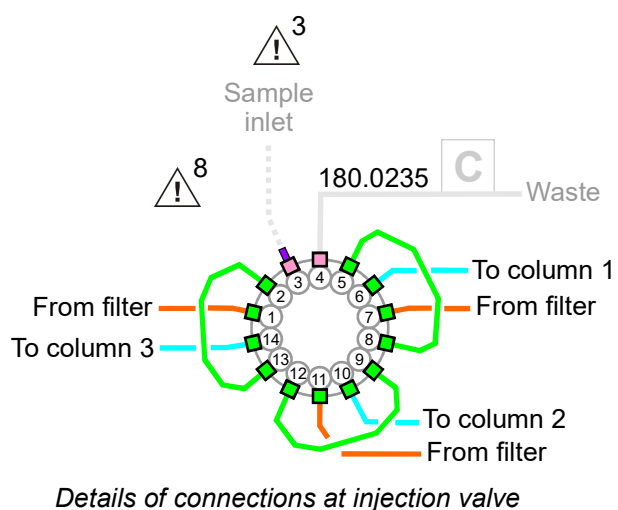


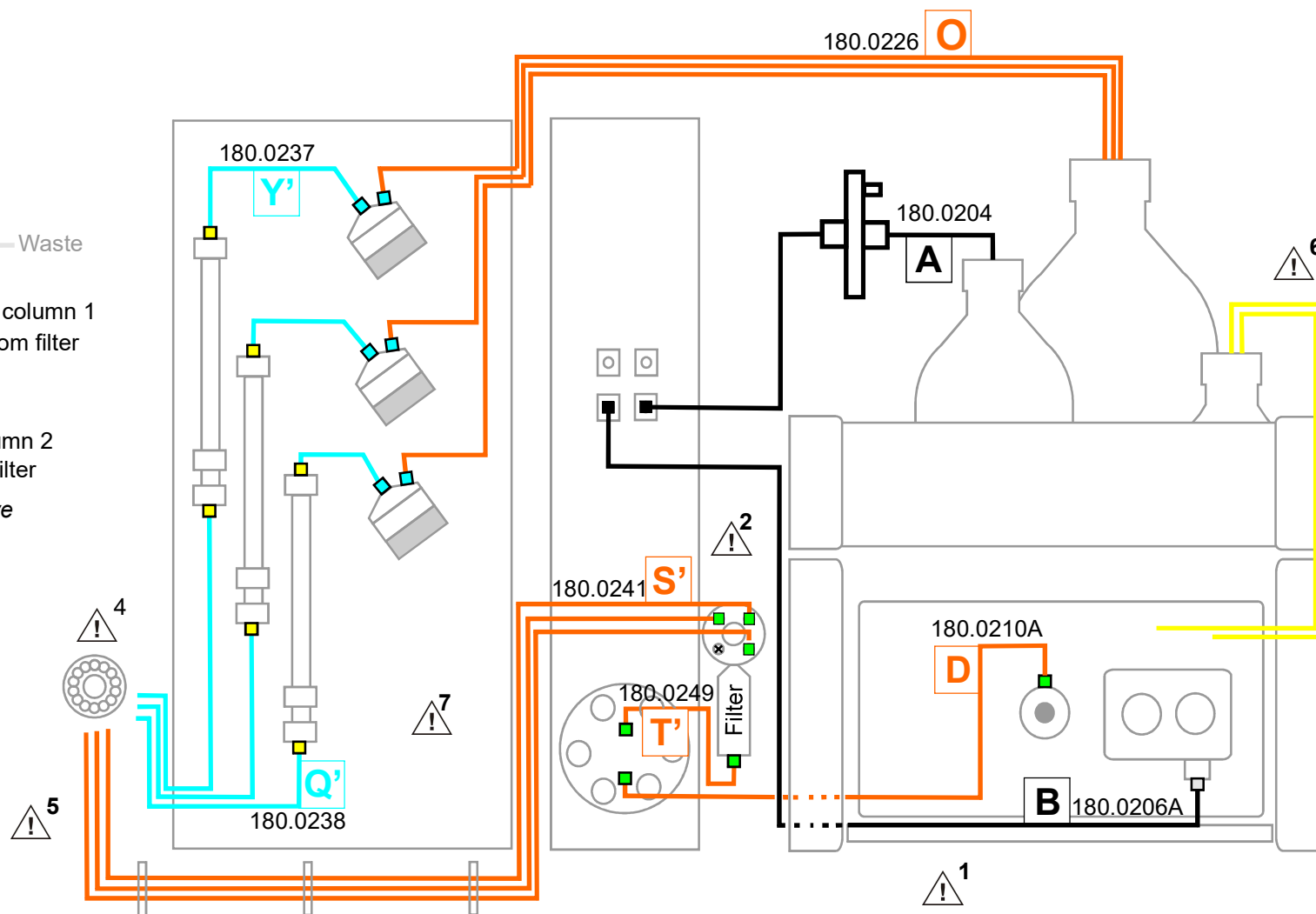
### LC connections

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>■ 250.1550 Ferrule Tefzel, 1/8", flangeless</li> <li>■ 250.1552 Nut PEEK, 1/8", flangeless, 1/4-28</li> <li>■ 250.1566 Ferrule CTFE, 1/8", collapsible</li> <li>■ 250.1568 Nut PEEK, 1/8", hex, 5/16-24</li> <li>■ 250.1554 Ferrule SS, 1/16", SSI</li> <li>■ 250.1556 Nut SS, 1/16", SSI, 10-32</li> <li>■ 250.1558 Ferrule SS, 1/16", Valco</li> <li>■ 250.1560 Nut SS, 1/16", Valco, 10-32</li> <li>■ 250.1572 Fingertight fitting PEEK, 10-32, hex head</li> </ul> | <ul style="list-style-type: none"> <li>■ 250.1572 Fingertight fitting narrow hex-head</li> <li>■ 250.1598 Sleeve FEP 1/16" x 0.033" ID</li> <li>■ 250.1570 Fingertight PEEK, 10-32</li> <li>■ 250.1571 Fingertight PCTFE, 10-32</li> </ul> |
|---|--|

On the backside important installation information is provided for the parts marked with a caution sign.



Details of connections at injection valve





**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.**

Read the LC connection kit install guide (p/n 180.7001A), before installation.

## IMPORTANT INSTALLATION INFORMATION

Read the LC connection kit install guide (p/n 180.7001A), before installation of the LC connection kit.

1. For optimal performance it is required to passivate all metal parts in this system using a 15% solution of HNO<sub>3</sub>.
2. Install the 5 port manifold assembly (p/n 250.1805) on the lowest bracket mounting position on the right-side panel of the OR 110 organiser rack. For additional filtering of the mobile phase stream mount a guard column (p/n 250.1504 column guard holder 1 mm, with 250.1520 ALF 3um drop-in cartridge 10x1.0mm) on the inlet of the manifold. See also Appendix II of the LC connection kit install guide (p/n 180.7001A).
3. All accessories for online sampling (syringe pump, tubing, microdialysis probes etc.) are not part of the LC connection kit. To connect the microdialysis (MD) tubing to the 1/16" inlet port of the valve a PEEK fingertight (p/n 250.1572) with FEP sleeve (p/n 250.1599) is provided.
4. Mount the 14-port valve (p/n 250.0014) to the left-side panel of the DECADE Elite as described in manual 250.7002 supplied with the valve kit. Mount all tubing connections on the 14-port valve as depicted on the schematic installation drawing. A loop tubing assembly (p/n 180.0254) is provided to prepare tailor-made loops, with a volume between 2 – 5 µL, for the ALEXYS TCC time resolution system. See Appendix II of the LC connection kit install guide (p/n 180.7001A) for detailed instructions.
5. Arrange/fix the tubing assembly S' (p/n 180.0241) behind the instruments and connect the tubings to the corresponding ports on the 14-port sampling valve. Close the top port of the manifold with the fingertight plug (p/n 250.1574) supplied with the tubing assembly p/n 180.0241.
6. The piston wash tubing assembly is not a part of the LC connection kit, it is supplied in the LC 110 shipkit (p/n 193.0426). Please read the installation instructions in manual 193.0010.
7. For identification the labels "1", "2" and "3" from the TCC label set (p/n 802.0406) can be adhered on the tubing of the three different LC channels.
8. FEP tubing is relatively soft, do not overtighten the nuts too much to avoid closure of the waste line (p/n 180.0235).

### Legend LC tubing\*:

- FEP 1/8", 1.59 mm ID, transparent
- 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
- PEEK 1/16", 0.125 mm ID, red-striped

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