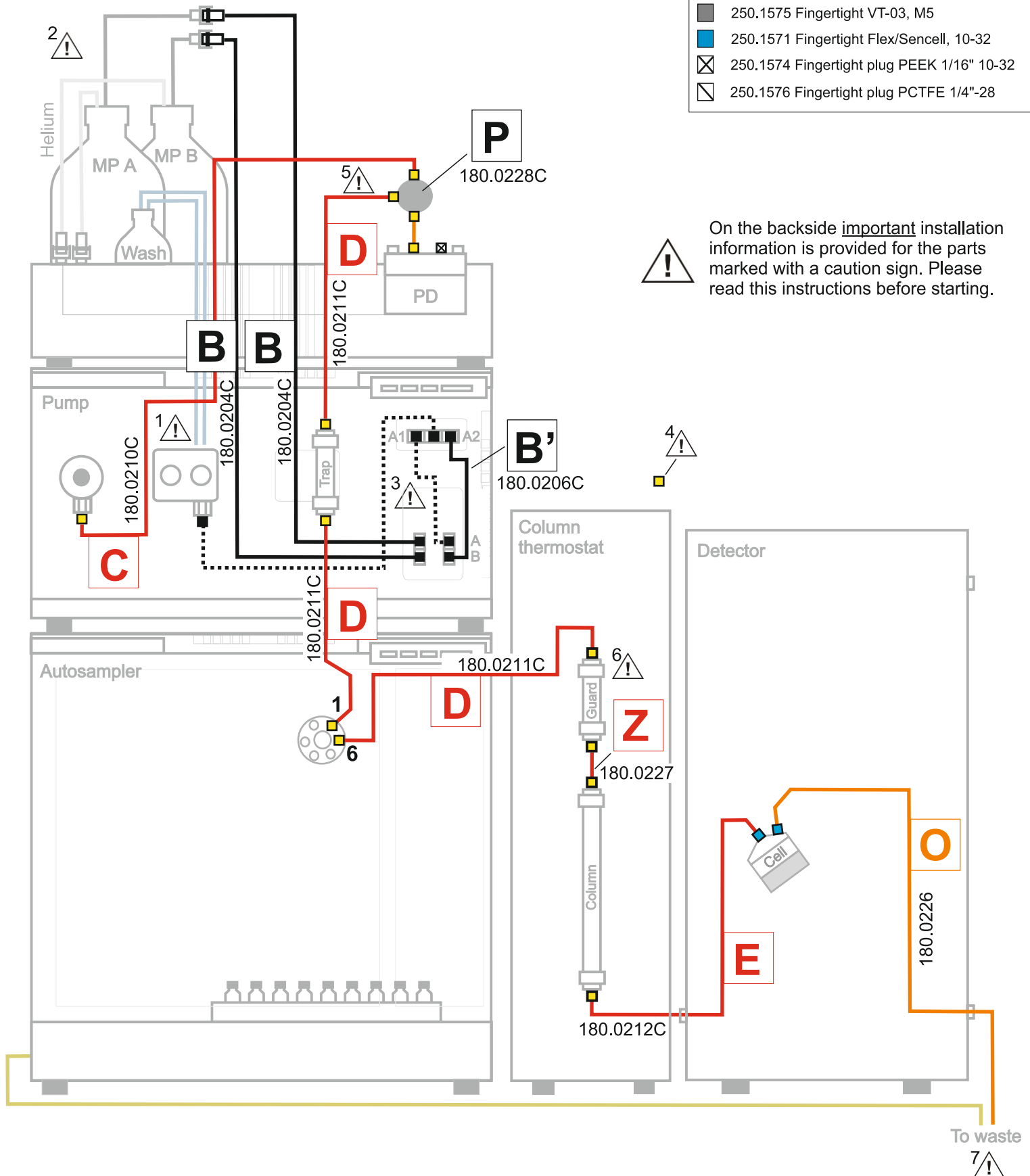


LC connections

- 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
- ⊗ 250.1574 Fingertight plug PEEK 1/16" 10-32
- ⊗ 250.1576 Fingertight plug PCTFE 1/4"-28

2x 184.0205 (bottle assy not part of this LC kit)





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. The same applies for the AS 6.1 L waste tubing, it is part of the autosampler ship kit. Also install the supplied drainage system (funnels, hoses, nozzles) for leak management as described in the user manual of pump and autosampler.
2. The bottle assemblies pn 184.0205 are not part of the LC connection kit. They need to be purchased separately or are delivered as a part of your ALEXYS system. Connect the Helium line of the bottles (red 1/8" OD polyurethane tubing) to the gas outlets of the ET 210 eluent tray (pn 192.0050). The ET210 user manual (pn 192.0010) contains instructions how to prepare CO₂-free mobile phases.
3. In case of a P 6.1L pump with integrated degasser, the tubing assembly marked with the dotted lines are already pre-installed. To match the flow path in the drawing these tubing assemblies need to be reconfigured on the P 6.1L as depicted. Use tubing assembly B' (pn 180.0206C) to make the connection between degasser channel B and port A2 on the solvent selection valve (SSV). Connect the mobile phase bottles to the corresponding degasser channels A and B as depicted, using tubing assy 180.0204C (B).
4. All tubing connections in the high pressure part of the LC system are made with PEEK HEX head fingertight fittings (pn 250.1572). Use the tightening tool (pn 250.0094) delivered with the kit to tighten the finger tight fittings 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.
5. In the case the system is installed together with an post-column kit for carbohydrates (pn 180.0605):
 - (a) Install the post-column pump on top of the pump of the LC system. For installation instructions of the LC-connections of the post-column flow path, please refer to the documentation provided with the kit.
 - (b) Replace tubing assembly C (pn 180.0210C) by tubing assembly F (pn 180.0213C) to make the connection between pump outlet and pulse damper.
 - (c) Use tubing assembly C (pn 180.0210C) to make the connection between pulse damper and the borate trap column.
6. In the case a guard column is used, connect the guard to the analytical column using pn 180.0227 precolumn assembly.
7. A 10 Liter waste container (pn 184.0206) is provided with the LC system. Place the waste container on the floor or other suitable place below the system and guide all marked waste lines into the container. Check regularly if the container is full and empty it when required.

Legend LC tubing*:

| | | | |
|---|---|---|---|
|  | FEP 1/8" OD, 1.59 mm ID, transparent |  | PEEK 1/16" OD, 0.064 mm ID, pink-striped |
|  | Stainless Steel 1/32" OD, 0.25 mm ID, with 1/16" ends |  | Silicone 3 mm OD, 1 mm ID, transparent |
|  | PEEK 1/16" OD, 0.25 mm ID, blue-striped |  | PEEK 1/16" OD, 0.50 mm ID, orange-striped |
|  | PEEK 1/16" OD, 0.13 mm ID, red-striped |  | Silicone 10 mm OD, 8 mm ID, transparent |

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