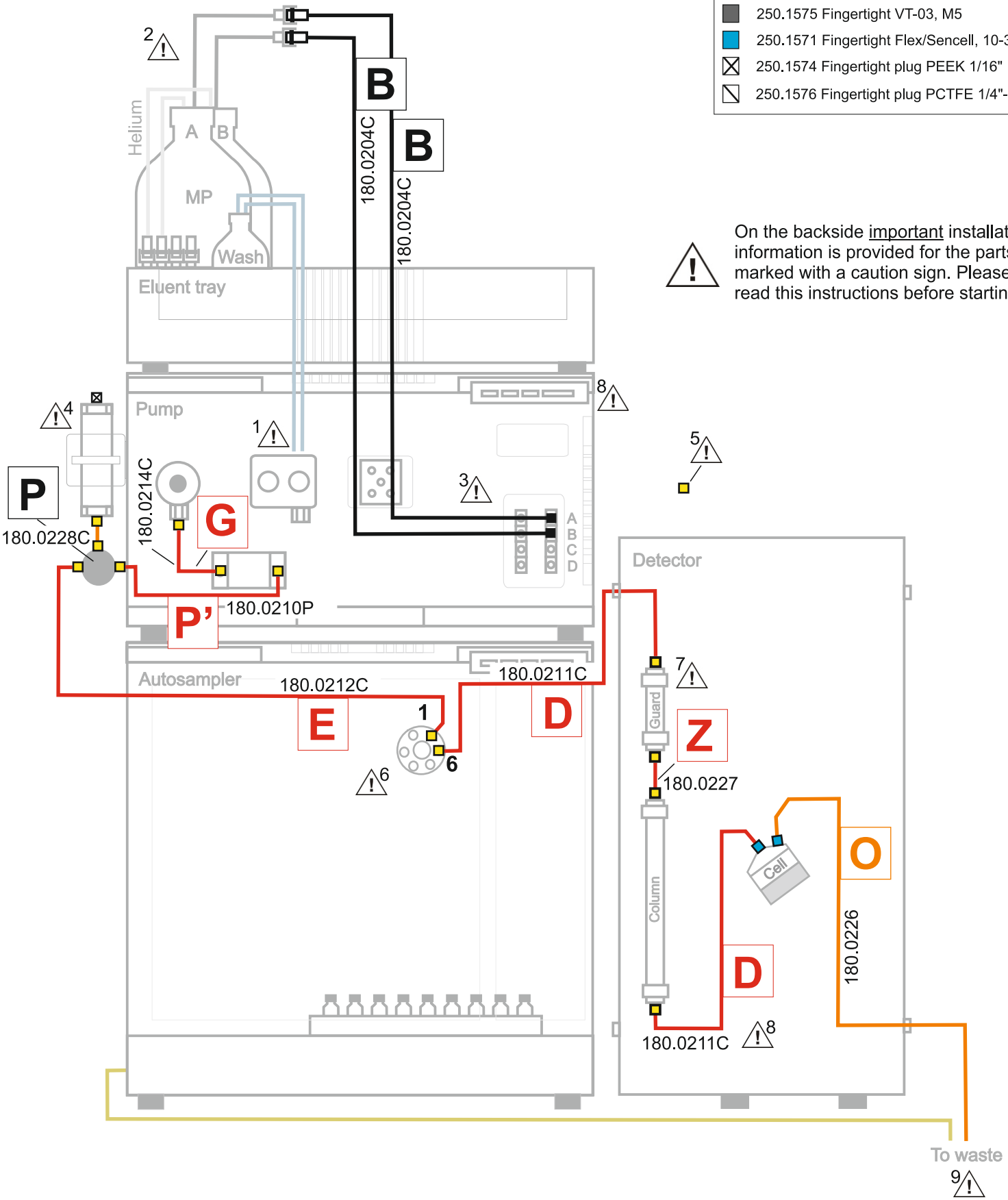
Antec Scientific

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

184.0205/184.0209 (bottle assy not part of this LC kit)



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

PN 180.0156W ALEXYS LC conn. kit antibiotics, gradient

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, hooses, nozzles) for leak management as described in the user manual of pump and autosampler.

2. The bottle assemblies pn 184.0205 and/or 184.0209 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 on 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. For sake of clarity the pre-installed internal pump flow path of the P 6.1L quaternary LPG pump is not depicted in this schematics (e.g. tubing connections between degasser and solenoid valve, from solenoid valve to pump head etc.). Connect the mobile phase bottles (A - B) to the corresponding degasser ports using degasser inlet assembly pn 180.0204C.

4. The pulse damper, p/n 250.AZZ00NB has to be mounted on a bracket on the side of the P6.1 L pump using the parts and instructions supplied in the shipping box of the damper.

5. 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 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.

6. 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.

7. In the case a guard column is used, connect the guard to the analytical column using pn 180.0227 precolumn assembly.

8. If the system is installed together with an post-column kit EP (pn 180.0604EP): position the post-column pump on top of the pump of the LC system. Please refer to the documentation provided with the post-column kit (pn 180.7150W) for specific installation instructions.

9. 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
- 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
- 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.