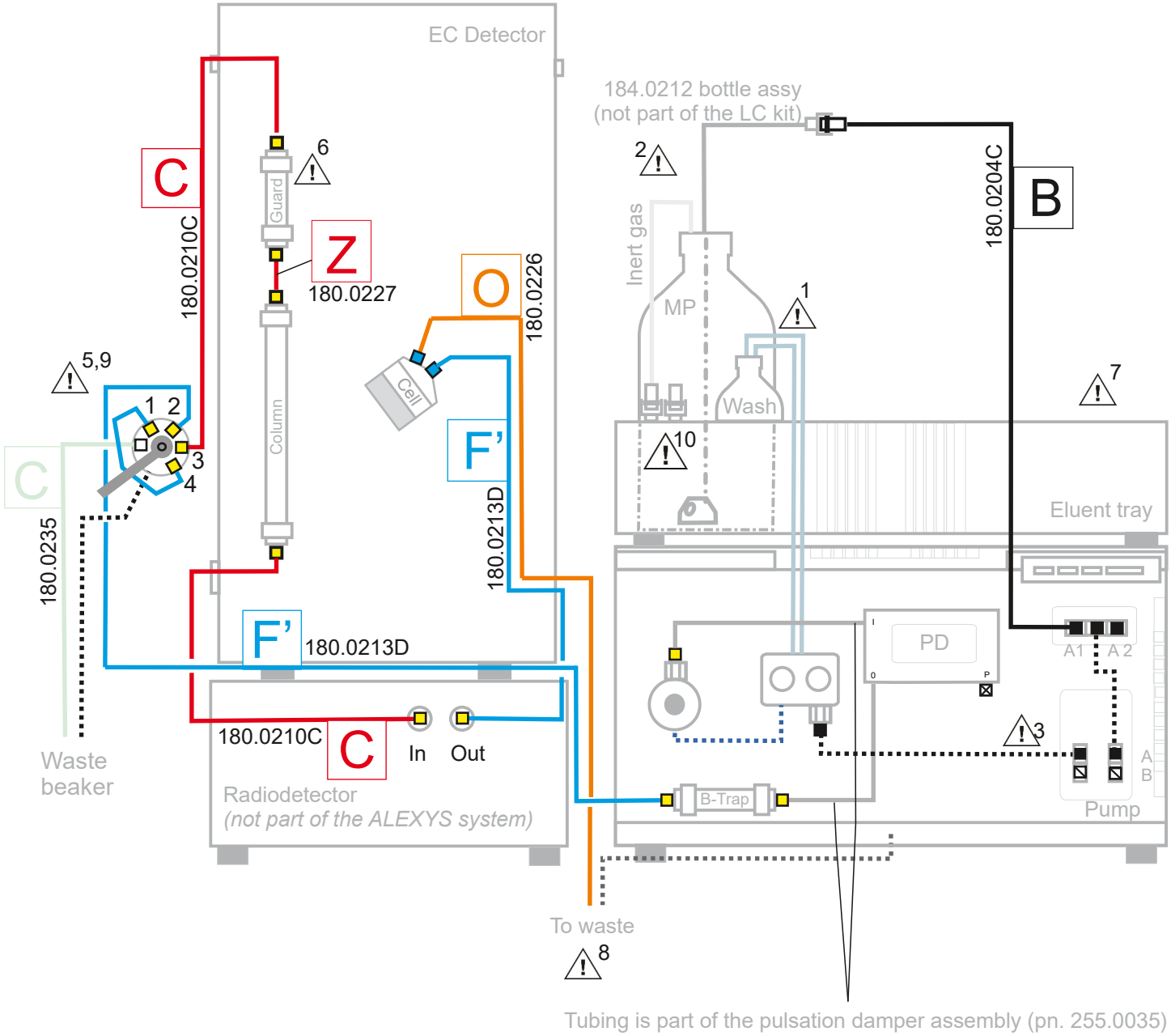
Antec Scientific

LC tubing 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
- 250.1572 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

⚠4

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



LC equipment 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, hoses, nozzles) for leak management as described in the user manual of the pump.

2. Connect the tubing labeled 'B' to the tubing of the bottle cap assembly. Follow the instructions in the ET210 user manual (pn. 192.0010) to purge the ET210 with inert gas before connecting the gas lines from the bottles to the gas outlets.The ET210 user manual also contains instructions how to prepare CO_2-free mobile phase.

3. A P6.1L pump with integrated degasser contains factory-installed tubing (dotted lines).

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 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.

5. For optimal performance it is required to rinse all parts down to the valve using a 2 M NaOH solution before First use. See the LC connection kit install guide for detailed instructions.

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

7. If the system is installed together with a post-column kit EP (pn. 180.0605EP): position the post-column pump on top of the pump of the LC system. Refer to the documentation provided with the post-column kit (pn. 180.7150W) for specific installation instructions.

8. 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.

9. The two open-ended wires of the manual valve have to be connected to [pin 21 = TTL in – start] and [pin 25 = GND] at the IO connector board (pn. 250.0131B), which is part of the standard-provided DECADE Elite accessory kit (pn. 175.0200).

10. 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.

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.