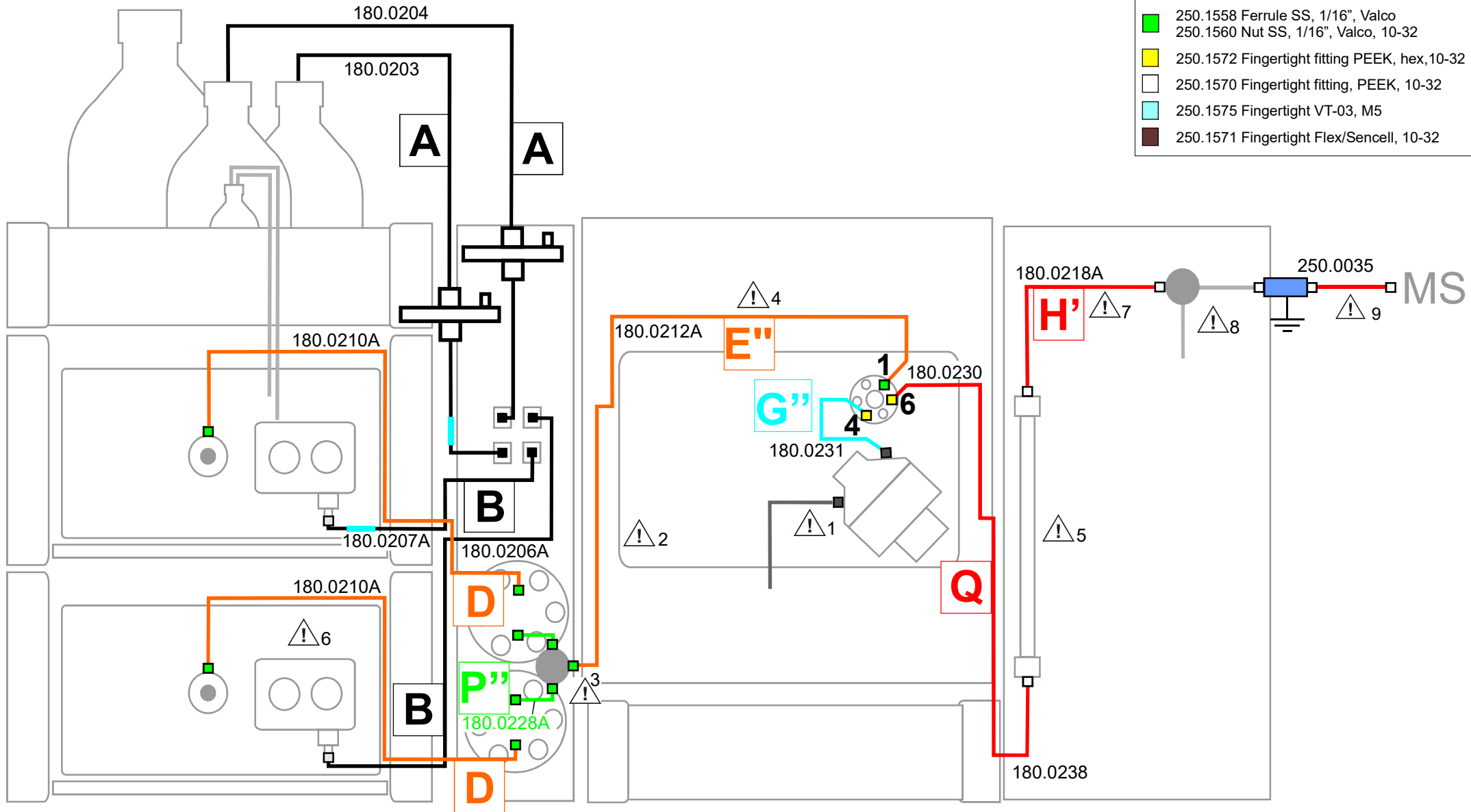


On the backside important installation information is provided for the parts marked with a caution sign.

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












## IMPORTANT INSTALLATION INFORMATION

Read the relevant sections in the LC connection kit installation guide (p/n 180.7001W), before installation of the LC connection kit.

1. Install the ReactorCell on to the AS 110/AS 100 auto sampler as described in Appendix III of the LC connection kit install guide (p/n 180.7001A). Use the 1 m cell cable (p/n 250.0125) to connect the ReactorCell to the cell connector of the ROXY potentiostat.
2. Replace the 100  $\mu$ L syringe of the AS 100 (p/n 181.0038) with the 25  $\mu$ L syringe (p/n 181.0400) supplied with the ROXY EC/LC system. The AS 110 cool, micro 10-PV (p/n 191.0038) is standard equipped with an 25  $\mu$ L syringe.
3. Install the Binary Tee mixer, 250  $\mu$ L (p/n 250.1816) supplied with the ROXY EC/LC system onto the pulse damper outlets of the OR 110, using assembly P''(p/n 180.0228A). In case the mixing volume of the mixer is too large for your application, mixing chamber cartridges with a smaller mixing volume of 150  $\mu$ L or 50  $\mu$ L are available and can be ordered separately.
4. When the ROXY EC/LC system is equipped with an AS 110 autosampler use assembly E'' (p/n 180.0212A) . In case of an AS 100 autosampler use assembly E (p/n 180.0212) to connect the AS 100 to the Binary Tee mixer (p/n 250.1816) .
5. The ROXY EC/LC system is shipped without an analytical column. A suitable column, matching your requirements for the separation of the compounds of interest should be ordered separately (from Antec or third party vendor). The ROXY EC/LC system is optimized for use with 3 mm ID columns operating at flow rates of typically 0.5 mL/min. In case columns with a smaller ID are used (operated at flow rates < 0.5 mL/min) a flow splitter between the mixer and the injector may be required for proper gradient mixing. The minimum flow rate for stable flow delivery of the LC 110 pump is 50  $\mu$ L/min. A flow splitter is not delivered with the LC connection kit.
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. For all pumps in the system the active piston wash should be installed (Note that in the drawing the wash tubing of the top pump only is shown as an example).
7. Optimize the length of the outlet assembly (p/n 180.0218A ) using a tubing cutter. Most mass spectrometers have an inlet which is properly grounded to protect the LC system/parts connected to the MS from exposure to high voltage. Please assure that the inlet of your MS is grounded.
8. Flow splitting may be required to reduce the output flow rate of the LC system to the proper input flow rate of the ESI interface of the MS. A flow splitter is not delivered with the LC connection kit.
9. The grounding kit (p/n 250.0035) is necessary to decouple the  $\mu$ -PrepCell from the high voltage of ESI source of an mass spectrometer and to protect the LC system/parts connected to the MS from exposure to high voltage. Please assure that the ReactorCell is connected to your MS via grounded fitting.

### Legend LC tubing

 FEP 1/8", 1.59 mm ID, transparent	 PEEK 1/16", 0.064 mm ID, natural or pink-striped
 PEEK 1/16", 0.50 mm ID, orange-striped	 Silicone 3 mm, 1 mm ID, transparent
 PEEK 1/16", 0.25 mm ID, blue-striped	 Stainless Steel 1/16", 0.50 mm ID, metal
 PEEK 1/16", 0.13 mm ID, red-striped	