

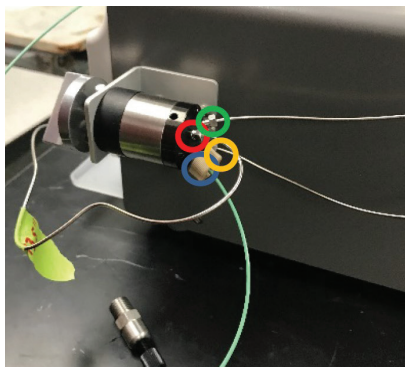
ACCQPrep® HP150 Large Sample Load Pump Installation Instructions

Overview:

One of the available options on the ACCQPrep HP150 is an additional external pump to load large volumes of sample. This option allows for the loading of large volumes of sample onto the column.

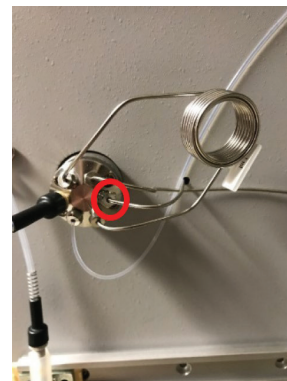
Initial Set-up Instructions:

1. Mount valve and bracket onto pump.
2. Place the sample load cartridge bracket on top of the ACCQPrep with the hole to the left-hand side of the instrument. Then place the sample load pump on top of the ACCQPrep.
3. Plumb lines as shown in picture below.



- a. Plumb the short piece of SST tubing to loading pump on the front to the valve port circled in red.
- b. Plumb green waste tubing to a waste container from the blue circled port on the loading pump valve. (It is suggested to plumb this to a separate unique waste container to recover any crude sample lost during priming or injection).
- c. Disconnect tubing coming from ACCQPrep into injection valve at port 5 and connect to SST union, as circled below.
- d. Connect one of the long lengths of SST tubing to the union and to the loading pump valve port circled in orange.

- e. Connect the other long length of SST tubing from the loading pump valve port circled in green to the empty port #5 you disconnected from the injection valve of the ACCQPrep in step 2.
4. Connect the supplied tee with two clear short lengths of tubing to the inlets on the bottom of the pump heads. The other end can be connected in several different ways depending on sample delivery.
 - a. Connect to the supplied Sample needle to draw solvent from a bottle or other container.
 - b. To the supplied luer lock syringe fitting to deliver sample via syringe.
 - c. To the supplied luer lock syringe fitting to connect to the sample load cartridge (mounted to the side of the instrument with the supplied bracket).
 5. Connect the USB cable to the back of the sample load pump and to either the ACCQPrep or the USB hub on the back of the AutoSampler.
 6. Connect the power cord from the back of the pump to a power source and turn on.
 7. Prime the pump with solvent or sample.
 - a. Place a 5-mL syringe on the black Prime port and rotate the counterclockwise to open.
 - b. Press the P button on the pump and withdraw the syringe to remove air from the pump.
 - c. Close the prime port and empty the syringe. Repeat until no more air is removed.
 - d. Press P to end prime.



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