



SKC AirLite Sampling Pump



DO NOT operate AirLite in hazardous or explosive conditions. AirLite is designed for applications that DO NOT require intrinsic safety.

Setup:

1. Pumps are pre-calibrated by SGS Galson, unless otherwise specified when placing an order
2. To verify flow on pumps, you may use the provide field rotameter. See rotameter quick start for reference.

High flow sampling

1. Using provided high flow tubing place one end onto pump, depending on sampling type you may need a leur (ex: MCE cassette sampling), Leur end should be on the end not attached to pump.
2. Turn pump on to ensure it runs (let the pump run for a few minutes).
3. Place sampling media on other end of tubing.
4. Place on/ or set in sampling area/ person
5. Turn on pump and note start time
6. After Sampling is complete.
7. Turn off pump note stop time
8. To perform post calibration, using sampling media or calibration media verify your flow.
9. Remove media, place nibs back onto cassette, mark the chain of custody and place into Samples for analysis bag.
10. Any unused media place into, Unused media bag provided.



Low Flow Applications



Low flow Sampling

1. Tubing will already be attached when pre-calibrated by SGS Galson
2. Follow step 2 in set up for checking flow (DO NOT CHANGE FLOW ON PUMP). If re-calibrating with low flow, only use the restrictor found on the tubing to adjust flow.
3. Follow steps 2 through 10 in high flow sampling.
4. NOTE: the arrow found on sorbent tubes should be point into the sample tubing



Power Supply:



The SKC AirLite operates on three AA batteries. We have shipped the equipment with new batteries inside, as well as an extra set per pump for your convenience. Utilize the provided toolkit to access battery compartment.

Trouble Shooting: Most common causes and Corrective Actions of flow faults are;

- Kinked or restricted tubing/ Re-route tubing to ensure unrestricted flow.
- Clogged pump inlet filter/Replace filters with the extra filter provided.
- Overloaded media/If media is overloaded either stop or change sample media.
- Loose pump hose connector/ Ensure hose connector is hand tight.
- Worn or missing hose connector gasket/ Replace pump hose connector and gasket with the spare that was provided.
- Adjusting the flow rate of the pump may result in flow fault.