



## 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:

- As agreed when ordering sampling supplies, pumps are pre-calibrated using a primary calibrator at SGS Galson. Rotameters may be used to verify flow. See the Rotameter Quick Start Guide for more information.
- Connect tubing to the Air inlet port and turn on the pump and attach the sampling media. Be sure the arrow on the sampling media is pointing toward the pump. Turn on the pump by pressing the button under the clear plastic.
- Begin sampling. Note the start time.
- If desired, perform post-calibration after sampling is completed. Use the sample or calibration media in line after sampling is complete to verify flow.
- If requesting laboratory post calibration, leave tubing connected to the pumps and attach the provided post calibration stickers to the inside of the pump case.
- Turn off the pump and record the sample stop time. Remove media from sample tubing and cap or replace nibs on both ends.
- Place sampled media in the Samples for Analysis bag.
- Place unused media, calibration media, and any void samples in the unused media bag provided.
- Pack equipment and samples and ship back to SGS Galson.

## Low Flow Applications



- When using the pumps for low flow applications, do not adjust the flow adjustment set screw on pump. The pump will always be set at 1.5lpm to accommodate the low flow tubing. All flow adjustments are to be made to the adjustment screw on the needle valve where media fits into 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.