



# AirLite Sample Pump

## Cat. No. 110-100

### Operating Instructions

863 Valley View Road, Eighty Four, PA 15330 USA • Tel: 724-941-9701 • www.skinc.com

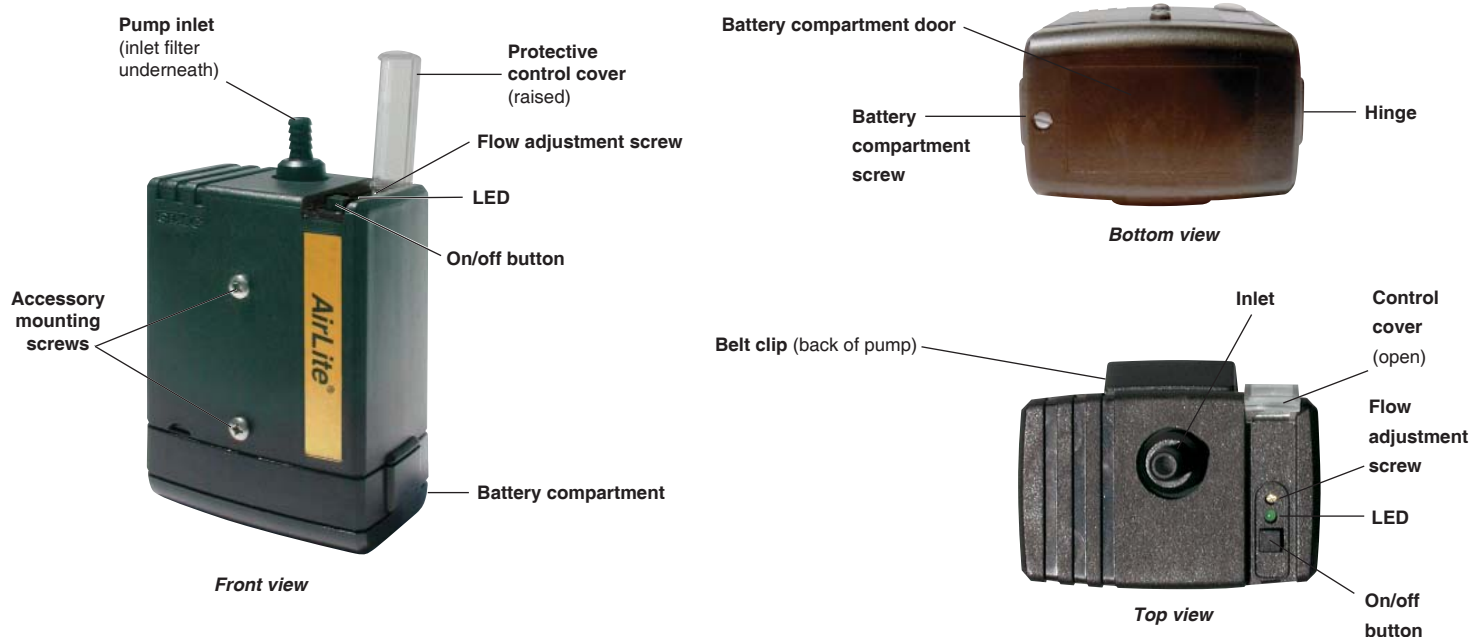


Figure 1. AirLite Sample Pump

## Introduction

### Description

The AirLite Sample Pump (Figure 1) provides 5 to 3000 ml/min flows and is suitable for abatement, indoor air sampling, and emergency response in non-hazardous locations.

### Checking Pump/Kit Contents

Use the table below to verify that you received all items associated with the Cat. No. ordered. If you are missing items, contact SKC at 800-752-8472 (U.S. only) or 724-941-9701.

If You Ordered Cat. No.	Your Package Should Contain
110-100	AirLite Sample Pump only, with three AA alkaline batteries and screwdriver set
110-100K5	High Flow Sample Pump Kit includes 5 pumps as described above and filter cassette holders, in a Pelican case
110-100K5D	High/Low Flow Sample Pump Kit includes 5 pumps as described above, filter cassette holders, All-in-One adjustable tube holders, and Type A protective tube covers, in a Pelican case

### Required Equipment

- ☒ 1/4-inch ID tubing
- ☒ Low flow accessories if sampling at 5 to 500 ml/min. See *Accessories*.

## Getting Started


### Insert/Replace the Batteries

The AirLite is powered by three standard AA alkaline batteries located in a compartment on the bottom of the pump (Figure 1). To insert new or replace existing batteries:

1. Use a slotted screwdriver to loosen the screw on the bottom of the case (Figure 1).
2. Open and remove the compartment door.
3. If replacing existing batteries, remove them. Insert new batteries.



Polarity of batteries

 **Note the polarity of the batteries.** See right.

4. With the new batteries in place, insert the hinge (Figure 1) on the compartment door under the lip of the case, close the door, and tighten the screw until secure.

### Determine Battery Charge and Pump Status

- Indication of pump shutdown due to exhausted batteries will override all other indicators.

Read the LED as shown in the table below:

LED Flashes	Indicates
Slow	Normal run
Fast	Flow fault
Double	Low battery, approximately one-hour run time remaining
Every eight seconds	Pump shutdown due to exhausted batteries
Four times every six seconds	Pump shutdown due to flow fault

### Notes and Cautions

- Do not operate AirLite in hazardous or explosive locations. AirLite is designed for applications that do not require intrinsic safety.
- Failure to follow warnings or cautions voids any warranty.
- **For maximum run time**, insert new batteries in pump before each sampling period. If using rechargeable AA 1.2-volt NiMH batteries, expect approximately half the run time stated for disposable batteries.
- To prevent corrosion of battery terminals, remove batteries when AirLite will not be used for an extended time.
- Increases in back pressure in sampling condition due to buildup on filter can decrease battery life.

## Operation

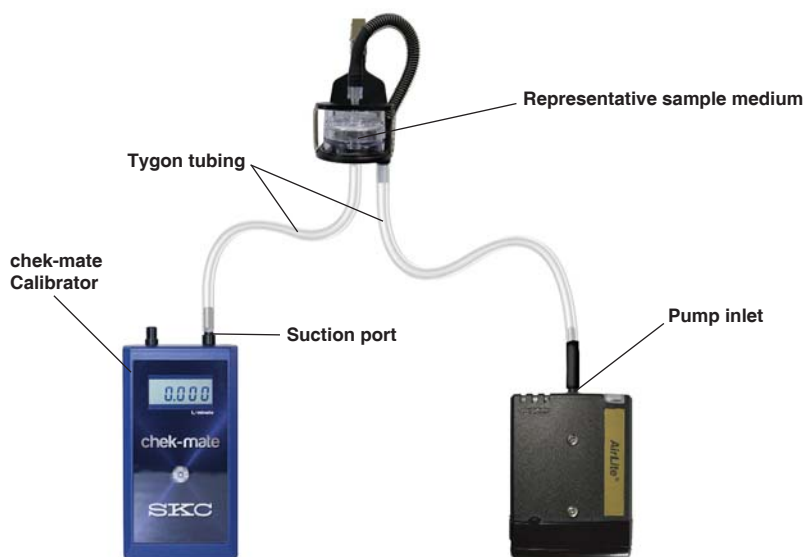
### High Flow Applications (1000 to 3000 ml/min)

#### Set/Calibrate Flow Rate

 Do not operate pump in hazardous or explosive locations. AirLite is designed for applications that do not require intrinsic safety.

- Allow pump to equilibrate after moving it from one temperature extreme to another.

1. Turn on the pump using the on/off button (*Figure 1*) and run for 5 minutes before calibrating. Leave the pump running.
2. Prepare the calibrator. See *calibrator instructions*.
3. Set up a calibration train (*see below*): Using flexible tubing, connect the calibrator outlet (suction port) to the representative sample medium inlet. Using 1/4-inch ID tubing, connect the representative sampling medium outlet to the pump inlet.
4. Using a small screwdriver, set the pump flow rate by turning the flow adjustment screw (*Figure 1*) **clockwise** to increase the flow or **counterclockwise** to decrease the flow until the calibrator indicates the method-specified flow rate. Take a minimum of three readings and record the average flow rate, as per OSHA/NIOSH instructions.
5. Press the on/off button to turn off the pump. Disconnect the calibrator and flexible tubing from the representative sample medium and proceed to *Set Up/Sample*.



*Calibration train with filter cassette*

## Set Up/Sample

- Allow pump to equilibrate after moving it from one temperature extreme to another.
- Protect sample pump from weather when sampling outdoors.
- Do **not** operate the pump in hazardous or explosive locations. AirLite is designed for applications that do not require intrinsic safety.
- **For maximum run time**, insert new batteries in pump before each sampling period. If using rechargeable AA 1.2-volt NiMH batteries, expect approximately half the run time stated for disposable batteries.

1. Replace the representative sample medium used for calibration with new unexposed medium for sample collection.
2. Place the sample medium where appropriate for sampling. For **personal sampling**, clip the sample collection medium to the worker in the breathing zone and the pump to the worker's belt using the belt clip.
3. Press the on/off button to turn on the pump and start sampling. Record the start time and other pertinent information.
4. Observe the LED to monitor pump and battery status while sampling for the time specified in the method used. At the end of the sampling period, turn off the pump and record stop time and other pertinent information.
5. Cap the sample and send it with blanks and pertinent sampling information to a laboratory for analysis.
6. Verify the flow.
  - a. Turn on the pump and reinstate the calibration train and sample medium.
  - b. Take three readings and record the average value as the post-sample flow rate. **Do not adjust the pump flow rate during this step.**
  - c. Compare the pre and post-sample flow rates. Note in sampling documentation if the values differ by more than  $\pm 5\%$ .



*Clip sample medium to worker and pump to belt.*

### Flow Fault Detection

If the pump is unable to compensate for  $> 10$  seconds due to excessive back pressure, the pump enters flow fault. The motor will stop and the LED will flash quickly. The auto-restart feature will attempt to restart the pump after 10 seconds. If back pressure is not corrected for an additional 10 seconds, the pump will attempt a second restart. The pump will continue restart attempts every 10 seconds for a total of five times. If restart attempts are unsuccessful, the pump will shut down and the LED will flash four times every six seconds. If the excessive back pressure is removed within the five restart attempts, the pump will run normally.

**Note:** The pump must be running without fault for at least 20 seconds for the auto-restart feature to be reset to five attempts.

## Low Flow Applications (5 to 500 ml/min)

- Single-tube sampling requires the All-in-One Adjustable Tube Holder; see the operating instructions for the All-in-One for details on its operation.
- Multiple-tube sampling requires a Constant Pressure Controller (CPC) and a Dual, Tri, or Quad Adjustable Low Flow Tube Holder accessory; see the operating instructions for the CPC and Adjustable Low Flow Tube Holder for details on their operation.

### Using the All-in-One Adjustable Tube Holder

#### Set/Calibrate Flow Rate for Single Tube

 Do not operate AirLite in hazardous or explosive locations. AirLite is designed for applications that do not require intrinsic safety.


- Allow pump to equilibrate after moving it from one temperature extreme to another.
- Calibrate/verify pump flow rate before and after each sampling operation using the tube holder and pump to be used for sampling.
- Set the flow rate through the pump first and then calibrate the flow rate through the representative sorbent tube.
- Two small inlet holes on the bottom of the built-in CPC of the All-in-One can become blocked. Periodically inspect and, if needed, clean with a small pick and blow particles away with a puff of air.

#### Pump Flow Rate

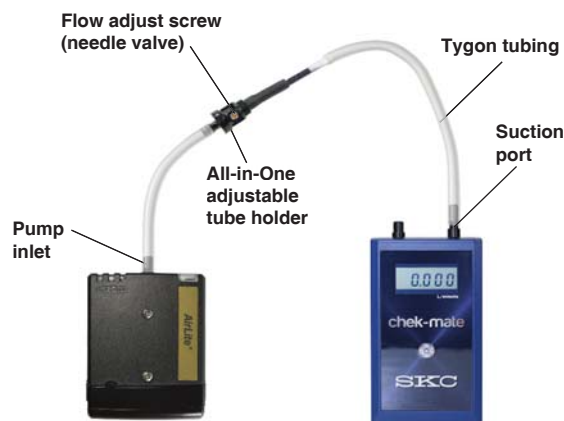
1. Turn on the pump using the on/off button (Figure 1) and run for 5 minutes before calibrating. Leave the pump running.
2. Prepare the calibrator (see calibrator instructions). Using flexible tubing, connect the calibrator outlet (suction port) to the pump inlet.
3. Set the pump flow rate to 1.5 L/min. Using a small screwdriver, turn the flow adjustment screw on top of the pump (Figure 1), **clockwise** to increase flow or **counterclockwise** to decrease flow, until the calibrator indicates 1.5 L/min.
4. Remove tubing from the pump inlet.

#### Flow Rate Through Sorbent Tube

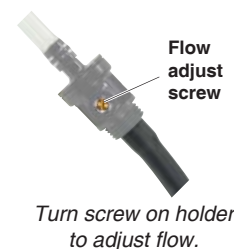
1. Attach the Tygon tubing of the All-in-One to the pump inlet. See calibration train at right. **Note:** If the pump flow faults shortly after the holder is attached, check that the needle valve is open by using a small flat-head screwdriver to turn the flow adjust screw on the holder **slightly** counterclockwise. If flow fault continues, check that the two small holes on the bottom of the built-in CPC are not blocked. If needed, clean holes with a small pick and blow any particles away with a puff of air.
2. Break tips off the representative sorbent tube and insert it into the rubber sleeve on the All-in-One (arrow on the tube points toward the holder). Ensure that the sorbent tube fits snugly in the rubber sleeve prior to sampling to avoid air leakage. Two sleeves, each a different inner diameter, are supplied with the All-in-One.
3. Using flexible tubing, connect the calibrator outlet to the inlet of the representative sorbent tube in the holder.

 In the next step, do not shut off flow completely with flow adjust screw or use an oversize screwdriver to adjust flow — valve or thread seat damage may result.

4. **Do not adjust the flow on the pump.** Adjust the flow rate through the representative sorbent tube using a small flat-head screwdriver to turn the flow adjust screw on the All-in-One (**counterclockwise to increase, clockwise to decrease**) until the calibrator displays the method-specified flow rate. Take a minimum of three readings and record the average flow rate, as per OSHA/NIOSH instructions.
5. When calibration is complete, turn off the pump by pressing the on/off button. Disconnect the calibrator and tubing from the representative sorbent tube inlet.



Calibration train with All-in-One connected to AirLite



Turn screw on holder to adjust flow.

## Set Up/Sample with Single Tube

- Do not operate AirLite in hazardous or explosive locations. AirLite is designed for applications that do not require intrinsic safety.
  - **For maximum run time** insert new batteries in pump before each sampling period. If using rechargeable AA 1.2-volt NiMH batteries, expect approximately half the run time stated for disposable batteries.
  - Allow pump to equilibrate after moving it from one temperature extreme to another.
  - Protect sample pump from weather when sampling outdoors.
  - Calibrate/verify pump flow rate before and after each sampling operation using the tube holder and pump to be used for sampling.
1. Replace the representative sorbent tube used for calibrating flow with a new unexposed sorbent tube for sample collection. **Note:** Ensure sorbent tube fits snugly in rubber sleeve of the All-in-One before sampling to avoid any air leakage. Two sleeves, each a different inner diameter (ID), are supplied. See Figure 2.
  2. Place the protective tube cover over the sorbent tube and thread it into place on the All-in-One until secure.
  3. Place the sorbent tube where appropriate for sampling. **For personal sampling**, clip the sample medium to the worker in the breathing zone and the pump to the worker's belt.
  4. Press the on/off button to turn on the pump and start sampling. Record the start time and other pertinent information.
  5. Observe the LED to monitor pump and battery status while sampling for the time specified in the method used. At the end of the sampling period, stop the pump and record stop time and other pertinent information.
  6. Cap the sample tube and send it with blanks and pertinent sampling information to a laboratory for analysis.
  7. Verify the flow.
    - a. Turn on the pump and reinstate the calibration train and sample media.
    - b. Take three readings and record the average value as the post-sample flow rate. **Do not adjust the pump flow rate during this step.**
    - c. Compare the pre and post-sample flow rates. Note in sampling documentation if the values differ by more than  $\pm 5\%$ .



Clip tube holder to worker and pump to belt.

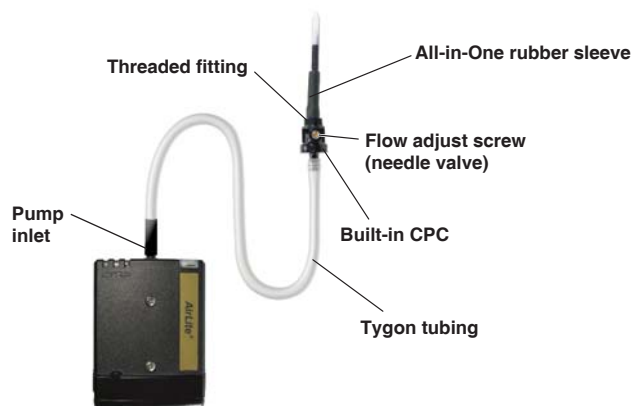


Figure 2. All-in-One Adjustable Tube Holder Connected to AirLite

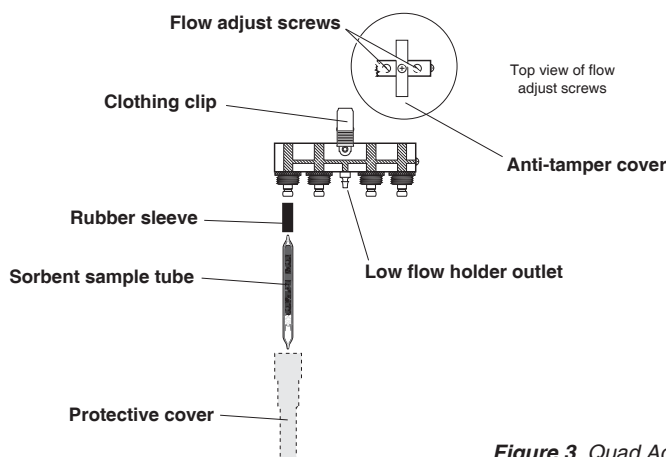
## Flow Fault Detection

If the pump is unable to compensate for > 10 seconds due to excessive back pressure, the pump enters flow fault. The motor will stop and the LED will flash quickly. The auto-restart feature will attempt to restart the pump after 10 seconds. If back pressure is not corrected for an additional 10 seconds, the pump will attempt a second restart. The pump will continue restart attempts every 10 seconds for a total of five times. If restart attempts are unsuccessful, the pump will shut down and the LED will flash four times every six seconds. If the excessive back pressure is removed within the five restart attempts, the pump will run normally.

**Note:** The pump must be running without fault for at least 20 seconds for the auto-restart feature to be reset to five attempts.

## Using a CPC and Dual, Tri, or Quad Adjustable Low Flow Tube Holder (Figure 3)

### Set/Calibrate Flow Rate for Multiple Tubes



**Figure 3.** Quad Adjustable Low Flow Tube Holder

- Do not operate pump in hazardous or explosive locations. AirLite is designed for applications that do not require intrinsic safety.
- Requires Constant Pressure Controller (CPC) and Adjustable Low Flow Tube Holder (see Accessories). The low flow tube holder used with CPC allows up to four tube samples to be taken simultaneously, each at different flow rates if desired.
- Allow pump to equilibrate after moving it from one temperature extreme to another.
- Calibrate/verify pump flow rate before and after each sampling operation using the tube holder and pump to be used for sampling.
- Set the flow rate through the pump first and then calibrate the flow rate through each sorbent tube.

## Pump Flow Rate



### Follow these important steps before proceeding.

1. Ensure that the battery is fully charged and that the pump has run for 5 minutes before calibrating. Leave pump running.
2. Prepare a calibrator (see calibrator instructions). Using flexible tubing, connect the calibrator outlet (suction port) to the pump inlet.
3. Calculate the sum of all tube flow rates. The maximum flow rate through any one tube is 500 ml/min.\*
  - a. If the sum is  $\leq 1000$  ml/min, set the pump flow rate to 1.5 L/min.
  - b. If the sum is  $> 1000$  ml/min, multiply that number by 0.15 and total the two numbers. Set the pump flow rate for the resulting new sum. (**Example:** Sampling with three sorbent tubes, each with a flow rate of 500 ml/min.\* The sum of the tube flow rates is calculated as  $3 \times 500 = 1500$ . Determining a 15% higher flow rate is calculated as  $1500 \times 0.15 = 225$ . Calculating the final pump flow setting would be  $1500 + 225 = 1725$  ml/min.)

\* Back pressure across some sample tubes can be higher than average. In these instances, the maximum flow rate of 500 ml/min per tube may not be achieved.



- Using a small screwdriver, turn the flow adjustment screw on top of the pump (Figure 1), **clockwise** to increase or **counterclockwise** to decrease flow, until the calibrator indicates the required flow rate.
- Remove tubing from the pump inlet and calibrator outlet.

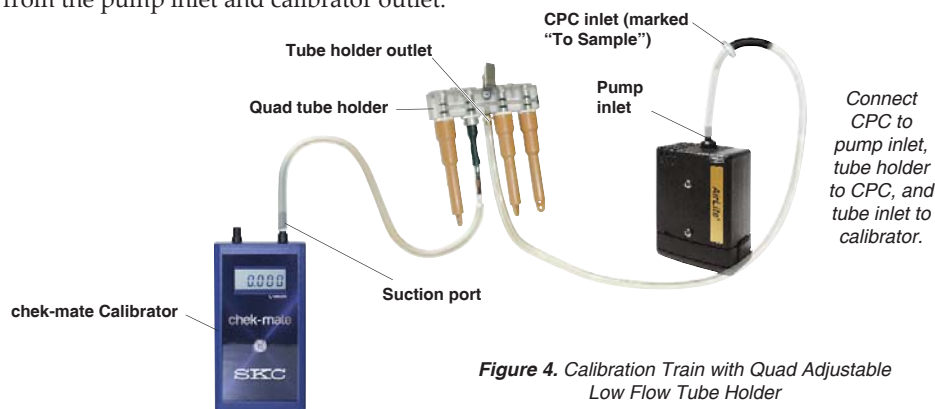


Figure 4. Calibration Train with Quad Adjustable Low Flow Tube Holder

### Flow Rate Through Sorbent Tubes

- Attach the tubing on the CPC outlet (side of the CPC without a label) to the pump inlet. Attach the Adjustable Low Flow Holder to the CPC inlet (marked "To Sample"). See Figure 4.
- Break tips off the representative sorbent tubes and insert them into the rubber sleeves on the holder (**arrow on each tube pointing toward pump**). Place unopened tubes in any unused ports to "seal" them.
- Label all representative sorbent tubes and ports.
- Using flexible tubing, connect the exposed end of the first representative tube to the calibrator outlet (suction port).
- Using a small screwdriver, loosen and turn the brass flow adjust screw (see above right) directly beneath the port holding the first active representative tube to be calibrated (**clockwise** to increase, **counterclockwise** to decrease) until the calibrator indicates the method-specified flow rate. **Do not adjust the flow rate on the pump.** *Note: For tri and quad models, first rotate each anti-tamper cover to expose the flow adjust screws, then adjust the appropriate one until the calibrator indicates the desired flow (Figures 3 and 5).*
- Repeat Steps 4 and 5 for each active representative tube. *Note: Changing the flow on one tube will not affect the flow rate through the remaining tubes.*
- Once flow is calibrated for each active representative tube, it is recommended practice to re-check the flow rate through all representative tubes before removing them. Any adjustment should be minimal.

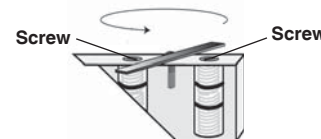
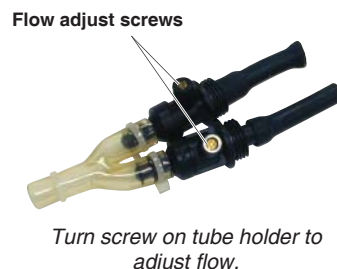


Figure 5. Cut-away of Tri/Quad Adjustable Low Flow Tube Holder

### Set Up/Sample with Multiple Tubes

- Do not operate pump in hazardous or explosive locations. AirLite is designed for applications that do not require intrinsic safety.
- Requires Constant Pressure Controller (CPC) and Adjustable Low Flow Tube Holder (see Accessories). The low flow tube holder used with CPC allows up to four tube samples to be taken simultaneously, each at different flow rates if desired.
- Allow pump to equilibrate after moving it from one temperature extreme to another.
- Protect sample pump from weather when sampling outdoors.
- For maximum run time**, insert new batteries before each sampling period. If using rechargeable AA 1.2-volt batteries, expect approximately half the run time stated for disposable batteries.
- The two small inlet ports on the bottom of the CPC can become blocked. Inspect these ports periodically for blockage that can occur when sampling in dusty environments. Such blockage may cause back pressure to increase. Clean ports with a small pick and blow away any particles with a puff of air.

- Replace the representative sorbent tubes used for calibration with new unexposed sorbent tubes for sample collection.
- Place a protective tube cover over each tube and thread into place on holder until secure.



3. Place the adjustable holder with tubes where appropriate for sampling. **For personal sampling**, clip the low flow tube holder to the worker in the breathing zone and the pump to the worker's belt. *See right.*
4. Press the on/off button to turn on the pump and start sampling. Record the start time and other pertinent information.
5. Observe the LED to monitor pump and battery status while sampling for the time specified in the method used. At the end of the sampling period, press the on/off button and record stop time.
6. Cap the sample tubes and send with blanks and pertinent sampling information to a laboratory for analysis.
7. Verify the flow.
  - a. Turn on the pump and reinstate the calibration train and sample media.
  - b. Take three readings and record the average value as the post-sample flow rate. **Do not adjust the pump flow rate during this step.**
  - c. Compare the pre and post-sample flow rates. Note in sampling documentation if the values differ by more than  $\pm 5\%$ .



*Clip tube holder to worker and pump to belt.*

### Flow Fault Detection

If the pump is unable to compensate for  $> 10$  seconds due to excessive back pressure, the pump enters flow fault. The motor will stop and the LED will flash quickly. The auto-restart feature will attempt to restart the pump after 10 seconds. If back pressure is not corrected for an additional 10 seconds, the pump will attempt a second restart. The pump will continue restart attempts every 10 seconds for a total of five times. If restart attempts are unsuccessful, the pump will shut down and the LED will flash four times every six seconds. If the excessive back pressure is removed within the five restart attempts, the pump will run normally.

**Note:** The pump must be running without fault for at least 20 seconds for the auto-restart feature to be reset to five attempts.



## Maintenance

*See Insert/Replace the Batteries.*

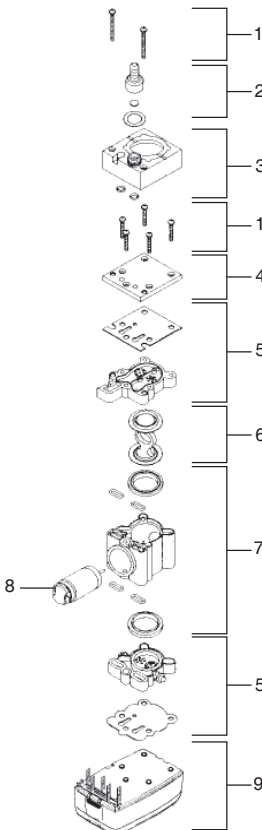
### Pump Service

Pumps under warranty should be sent to SKC Inc. for servicing. *See Limited Warranty and Return Policy.*

## Accessories/Replacement Parts

Accessories	Cat. No.
<b>chek-mate Calibrator with CalChek</b> , 0.50 to 5 L/min, includes 9-volt alkaline battery and NIST-traceable certificate	375-0550N
<b>Low Flow Sampling Accessories</b>	
<b>Low Flow Adapter Kit</b> includes an All-in-One adjustable tube holder and Type A Protective Tube Cover	110-500
<b>Constant Pressure Controller</b> , required for adjustable low flow holders below	224-26-CPC
<b>Dual Adjustable Low Flow Tube Holder</b>	224-26-02
<b>Tri Adjustable Low Flow Tube Holder</b>	224-26-03
<b>Quad Adjustable Low Flow Tube Holder</b>	224-26-04
	
<b>Protective Cover for Sorbent Tubes</b>	
<b>Type A</b> - 6-mm OD x 70-mm L, <i>included in Low Flow Adapter Kit above</i>	224-29A
<b>Type B</b> - 8-mm OD x 110-mm L	224-29B
<b>Type C</b> - 10-mm OD x 150-mm L	224-29C
<b>Type D</b> - 10-mm OD x 220-mm L	224-29D
	
<b>Miscellaneous</b>	
<b>Screwdriver Set</b> ( <i>included with pump</i> )	224-11
<b>Protective Nylon Pouch</b> with belt loop, black	224-902
<b>Waist Strap</b>	224-12

Replacement Parts		Cat. No.
1	Stack screws	P51891
2	Inlet hose connector	P20106
3	Pulsation dampener	P2010802
4	Stack plate	N/A
5	Valve plates (top and bottom)	P213201
6	Diaphragm/Yoke assembly	P22417HC
7	Pump body	P22417G
8	Motor/Eccentric	P51890
9	Pump base	P20182
	Battery case cover (not shown)	P20184



The diagram shows an exploded view of a pump assembly. The components are arranged vertically and numbered 1 through 9. The parts include: 1. Stack screws (small screws), 2. Inlet hose connector (a small fitting), 3. Pulsation dampener (a square block with a central port), 4. Stack plate (a flat plate), 5. Valve plates (top and bottom) (two flat plates), 6. Diaphragm/Yoke assembly (a circular component with a central port), 7. Pump body (a cylindrical component with a central port), 8. Motor/Eccentric (a small motor), and 9. Pump base (a rectangular base). The battery case cover is not shown.

## SKC Limited Warranty and Return Policy

SKC products are subject to the SKC Limited Warranty and Return Policy, which provides SKC's sole liability and the buyer's exclusive remedy. To view the complete SKC Limited Warranty and Return Policy, go to <http://www.skinc.com/warranty>.

## Appendix

### Performance Profile

Flow Range	1000 to 3000 ml/min (5 to 500 ml/min requires low flow accessories. <i>See Accessories.</i> )					
Flow Control	Patented* system holds constant flow to $\pm$ 5% of set-point					
Compensation Range (for a minimum of 8-hour operation)	1000 ml/min at 30 inches water back pressure 2000 ml/min at 20 inches water back pressure 3000 ml/min at 10 inches water back pressure					
Typical back pressure of sampling media (inches water)	Flow Rate (L/min)	1.0	1.5	2.0	2.5	3.0
	Filter/Pore Size ( $\mu$ m)					
	25-mm MCE/0.8	6	9	12	15	—
	25-mm MCE/0.45	14	22	—	35	—
	37-mm MCE/0.8	2	3	4	5	6
	37-mm PVC/5.0	1	1	2	2	2.5
Compare the information in this table to pump compensation range to determine appropriate applications.						
Temperature Ranges	Operating: 32 to 104 F (0 to 40 C) Storage: -4 to 113 F (-20 to 45 C)					
Compensated Temperature Range	41 to 122 F (5 to 50 C)					
Operating Humidity	0 to 95% non-condensing					
Power	Three standard AA alkaline batteries <b>Rechargeable AA size 1.2-volt NiMH batteries may be used but will provide approximately half the run time stated for disposable batteries.</b>					
Tubing	Requires 1/4-inch ID tubing					
Case/Material	Plastic, RFI/EMI-shielded					
Certifications	CE marked					
Battery Run Time	Depends on batteries used. <i>See Table 1.</i>					
Intrinsic Safety	Do not operate AirLite in hazardous or explosive locations. AirLite is designed for applications that do not require intrinsic safety.					
Dimensions	4.6 x 3 x 1.75 in (11.7 x 7.6 x 4.4 cm)					
Weight (including batteries)	12 oz (340 grams)					

\* U.S. Patent No. 6,741,056

**Table 1. Pump Run Time in Hours with Alkaline Batteries**

- To prevent corrosion of battery terminals, remove batteries when AirLite will not be used for an extended time.
- Increases in back pressure in sampling condition due to buildup on filter can decrease battery life.
- For maximum run time, insert new batteries in pump before sampling.
- If using rechargeable AA 1.2-volt NiMH batteries, run time will be approximately half that stated for disposable batteries.

Following are typical run times achieved when using a new pump and new disposable AA alkaline batteries. Data is sorted by type of sample media. All run times are listed in hours. Pump and battery performance may vary.

**Mixed Cellulose (MCE) Filter, 0.8- $\mu$ m pore size**

Filter Diameter	37 mm	37 mm	37 mm	25 mm	25 mm
Flow Rate	1 L/min	2 L/min	2.5 L/min	1 L/min	2 L/min
Duracell® Standard	23.5	14.5	13.5	18.5	10.5
Rayovac® Maximum	20.0	16.5	14.0	16.5	11.0
Wal-Mart EverActive	24.0	16.0	10.5	18.0	10.5
Eveready Alkaline	20.0	14.0	13.0	17.0	Not tested

**Polyvinyl Chloride (PVC) Filter, 5.0- $\mu$ m pore size**

Filter Diameter	37 mm	37 mm	37 mm	25 mm	25 mm
Flow Rate	1 L/min	2 L/min	2.5 L/min	1 L/min	2 L/min
Duracell Standard	23.5	15.5	17.0	23.0	10.5
Rayovac Maximum	29.5	16.5	14.0	18.5	13.0
Wal-Mart EverActive	24.5	20.5	15.5	20.5	11.5

**Glass Fiber Filter**

Filter Diameter	37 mm	37 mm	37 mm	37 mm
Flow Rate	1 L/min	2 L/min	2.5 L/min	3 L/min
Energizer	29.5	18.0	21.0	18.5
Rayovac Maximum	26.5	23.5	23.0	14.0
Wal-Mart EverActive	33.5	24.5	17.5	19.0
Filter Diameter	25 mm	25 mm	25 mm	25 mm
Flow Rate	1 L/min	2 L/min	2.5 L/min	3 L/min
Energizer	29.0	18.5	18.5	12.0
Rayovac Maximum	9.5	19.5	14.5	13.5
Wal-Mart EverActive	26.0	20.0	14.5	14.0