



Portable Sampling Pumps



AFC-123 Personal Sampler

Applications

- Personal Sampling
- Powers Respirable Dust Cyclone (BGI-4)

Features

- Automatic Flow Control
- Accuracy of $\pm 5\%$
- An LED in Pump Case Indicates Operation
- Runs at Least 8 Hours on a Full Charge

Automatic Flow Control

The desired flow rate is preset by means of a screw adjustment on the case and then maintained constant within a tolerance of $\pm 5\%$ by means of an electronic control circuit. When pressure drop across the filter increases, this system automatically senses the rising demand by the motor and adjusts its voltage to compensate.

The pump is housed in a lightweight plastic case and includes a belt clip.

Specifications

Flow Range:	1.0 to 2.5 lpm
Flow Accuracy:	$\pm 5\%$ of Flow Setting
Max. Pressure Drop:	16" H ₂ O
Running Time:	8 - 10 Hours
Dimensions:	4.7" x 2.9" x 1.8"
Weight:	16 oz.



AFC-400 24-Hour Personal Sampler

Applications

- 24 Hour Exposure Monitoring
- Powers Respirable, Thoracic, Inhalable and PM_{2.5} Samplers

Features

- Automatic Flow Control
- Accuracy of $\pm 5\%$
- Ultra Quiet Operation
- Elapsed Time Indicator

There are a growing number of sampling applications which require flows in the 4 Lpm range for 24 hours. Designed for Indoor Air Quality (IAQ) work, the pump noise level is less than 50 dBA. The AFC-400 is powered by a separate Nickel Metal Hydride battery pack and is also fitted with a belt clip.

Specifications

Flow Range:	3 to 10 lpm
Flow Accuracy:	$\pm 5\%$ of Flow Setting
Max. Pressure Drop:	40cm H ₂ O at 4 lpm / 25cm H ₂ O at 10 lpm
Running Time:	Greater Than 24 hrs
Pump Dimensions:	6.8" x 3.1" x 2.3"
Pump Weight:	2 lbs
Battery Dimensions:	5.8" x 3.6" x 1.1"
Battery Weight:	1.3 lbs