

Specifications:-

Flow Range: Adjustable 1-3 litres / min
Flow Control: Variable potentiometer
Battery Pack: 9.6V 4/5A (x8) Pack NiMH 2.0Ah
Charge Time: Approx 4 hours
Duration: 8 hours
Display: Total run time
Material: Aluminium
Coating: Epoxy resin
Dimensions: H4.5cm x W 9.5cm x D13.0cm
Weight: 780g

Warranty Registration

Don't forget to register your new Airbox product by filling in the registration form provided and returning it to us at the address below.

Alternatively you can do this online at: www.airboxsp.com

Technical support

For all technical support or customer service enquiries please contact us:

telephone: +44(0)1903 524 610

email: sales@airboxsp.com

web: www.airboxsp.com



■ ■ ■ thank you for choosing this Airbox product

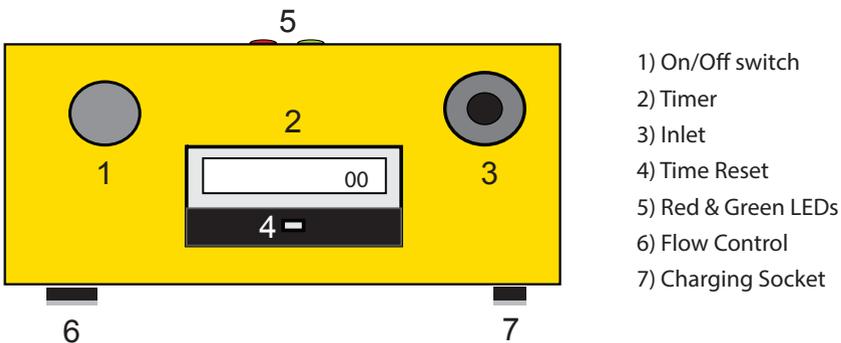
Our sampling pumps are designed to withstand the punishment of a long and active working life. They are manufactured from 2.5mm thick aluminium, cold formed and welded along all seams. This results in a case that is rigid, non rusting and durable. The units are finished in a tough epoxy powder coating which is resistant to minor damage.

Internally the pumps contain a high efficiency, rotary vane vacuum unit with a capacity of up to 3.0 litres/min of air through a standard 0.8 micron membrane filter.

The flow is set from 1.0 litres/min to 3.0 litres/min by means of an electronic control unit. This can be adjusted by turning the flow control screw found on the underside of the unit (6)

Flow control is maintained to within + or - 3% of the set figure by an electronic control unit which is epoxy sealed to protect against moisture, heat and vibration.

Power is provided by an 8 cell 9.6v 2000mah battery pack, this allows for approximately 8 hours sampling at 3.0 litres/min.



Running

When the pump is switched on the timer will display the time elapsed in minutes.

When the pump stops, the timer will display the elapsed time. If the pump is restarted, the timer will begin to count from the time at which it stopped.

Alternatively the display can be zeroed using the reset button (4).

Charging

Each pump comes with a voltage detecting battery charger. This is preset to give 500mA charge rate for sufficient time to recharge the battery pack.

At this rate the battery will be fully recharged from flat in approx 5 hours.

When the charger is plugged into the charging socket the red LED will be illuminated.

When the battery is sufficiently charged the green LED will light. The charger can be left connected for extended periods if required.

The charger also has a discharge facility built in which is triggered by the yellow button at the front of the charger. Use of this is not essential but it can be used to ensure a full discharge/charge cycle if required.

Troubleshooting

Pump will not start, red LED illuminated.	Battery voltage too low, recharge battery.
Flow rate insufficient.	Check motor speed control setting and sample tube for kinks.
Pump stops while running, red LED illuminated.	Battery voltage has dropped to 5.5v, recharge or replace battery.
Pump fails to run for specified duration.	Check battery pack.