TECHNICAL DATASHEET

PROFLOW 2 SC 160 POWERED AIR RESPIRATOR

DESCRIPTION

Powered Air Respirator providing 160l/min flow rate

Proflow 2 SC 160 incorporates a blower unit supplying filtered air to the facepiece through a breathing hose, a NiMH battery encased in a polyurethane casing.

A large selection of headtops classified to TH2, TH3, TM2 and TM3 are available. A micro-controlled charger is available for the battery pack.

Proflow powered air respirators are compatible with approved Scott Safety Pro2000 filters. Please see filter approvals data further in this document.

The blower unit contains a DC motor powered radial fan running between 7,000 & 11,500 rpm, variable according to the filter/face piece combination requirements

A microprocessor calculates the power required to maintain the set flow rate and automatically adjusts the flow rate. If the flow rate falls below the minimum 160 l/min, an audible warning sounds. An electronic limiter for motor rotation speed protects the motor from excessive wear during long-term use. The supplied units are calibrated.

BATTERY

A NiMH rechargeable battery is safely enclosed within the casing. Batteries are 4/3 A size NiMH, 8 cell providing 9.6V/4.5Ah.

The service life of the battery is extended by electronic control of recharging. The charging time is approximately 6 hours when fully discharged. Optimum performance of new batteries are obtained after three full charging cycles.

The battery operating time is at least 4.5h, depending on the filter/headtop combination, satisfying the minimum 4h run time of the EN12941:1998+A2:2008, EN12942:1998+A2:2008 Standards.

The battery includes an internal overcurrent protection and temperature protection.

CHARGER

The microprocessor-controlled charger features an automatic recharging system including signal lights. The signal lamp on the charger indicates charging status. A fully-charged battery can be left connected to the charger without damage. The power pack can be left on standby charge and used whenever needed.

BLOWER UNIT DISPLAY

An automatic monitoring feature checks that the unit is operating correctly, warns the user of low battery and quickly compensates for changes in airflow. A self-diagnostic test on start-up shows the current status of the respirator on the digital display.

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