



DURAFLOW Powered Air Respirator



DURAFLOW is a lightweight, durable powered air respirator designed for use in a number of arduous environments.

DURAFLOW is a cost effective respiratory solution. The unit itself is extremely affordable but also utilises the trusted Pro2000 filter platform and FH headtop range, allowing users to tailor their respiratory solution to their requirements.

COMFORTABLE TO WEAR FOR LONG PERIODS OF TIME

- The lightweight, low profile ergonomic design provides comfort even over extended durations of hard work.

TWO LITHIUM-ION BATTERY OPTIONS

- Standard duration battery -up to 8 hours coverage; Extended duration battery available for longer shifts – up to 16 hours coverage. *
- Both batteries utilise high energy density Lithium-Ion technology for increased power performance

ULTRA LIGHTWEIGHT

- At approx 600g (without filters or battery), DURAFLOW is ultra-light and has a compact profile for comfortable long shift duration.

VERSATILE RESPIRATORY SOLUTION

- With an extensive range of headtops, filters and accessories for a variety of hazardous applications, DURAFLOW provides flexible options for your respiratory needs.

“DURAFLOW,
offers durable,
lightweight,
reliable protection
at an
affordable cost”

Intuitive design allows compatibility with existing belt options for optimal configuration

Intelligent real time flowrate control ensures correct airflow to user

Range of hose options available enables usage with variety of headtops

Inhalation valve

Exhalation valve

Comprehensive filter options including Combination filters allow for usage in a variety of environments

High IP rating minimises dust and water ingress during decontamination

Removable battery means user can charge and change batteries for uninterrupted work

DURAFLOW features a simple, easy to use control panel, enabling the user to concentrate on the task at hand, not their equipment. An automatic monitoring feature checks that the unit is operating correctly, warns the user of low battery and quickly compensates for changes in airflow. Battery levels and flow rate alerts are displayed on the simple LED display.



POWER

The large power switch enables users to power on the unit even with no direct line of sight. An audible alarm will sound three times when the unit reaches the correct flow rate.



ALERT

The large alert icon illuminates if the unit drops below minimum flow rate (160 l/min). This is accompanied by an audible alarm.



BATTERY STATUS

The battery level is displayed with a simple LED gauge, enabling users to quickly check their battery status. An audible alarm will accompany the display when the unit reaches low battery level, indicating the user should immediately evacuate the hazardous area.

KEY FEATURES

- User notification of reaching correct airflow on start up
- Battery options for lightweight/longer duration (Lithium-Ion)
- LED display: battery life & operating status
- Removable battery to minimise downtime
- Wide assortment of headtops & filters
- High IP rating for effective decontamination
- Starter kit & readypaks available including most popular headtop types



HOSES

DURAFLOW can be fitted with a choice of hoses, a fixed length Polyurethane hose, an EPDM Rubber hose, or a new Self-Adjusting Polyurethane hose which stretches with the wearers' movements but remains low-profile and close to the body, reducing snag hazards and ensuring comfort even if working space is tight. DURAFLOW starter packs are supplied without a hose, which should be ordered separately.



Fixed Length PU



EPDM

HEAD TOPS



FH1

- Revolutionary soft head cradle for intuitive and straightforward donning
- Ultra-clear PETG visor giving wide field of view and a clear down-view panel
- Half hood design with skin-friendly neoprene chin seal
- CE certified to EN12941 TH3, EN166 1F



FH2

- Revolutionary soft head cradle for intuitive and straightforward donning
- Ultra-clear PETG visor giving wide field of view and a clear down-view panel
- Full hood design for shoulder and neck protection with skin-friendly neoprene chin seal
- CE certified to EN12941 TH3, EN166 1F



FH21

- Quick-draw adjustable headband and harness assembly for easy donning
- Anti-static double cape design for compatibility with various coverall designs
- Disposable full hood design for shoulder and neck protection
- Can be used for single or multi-use when maintained in accordance with user instructions
- CE certified to EN12941 TH3, EN166 1F

FILTERS



APPROVED FILTERS ("NOW EXPANDED FILTER RANGE")				
5052670	5052670	PF10 P R SL (20)		20
5042670	5042670	CF22 AP R SL (20)		20
5042671	5042671	CF22 BP R SL (20)		20
5542674	5542674	CF22 ABP R SL (20)		20
5042678	5042678	CF22 ABEP R SL (20)		20
5042799	5042799	CF32 ABEKP R SL (20)		20
5542798	5542798	CF32 ABEKHgP R SL (20) * Please Note: Hg filters approved only with the highest PAPR rating (TH3/TM3)		20

Ordering Information	
Description	Part Number
DURAFLOW Starter Pack includes: Duraflow Powered Air unit; Standard duration battery; Standard belt; Charger	2031662
DURAFLOW/FH1 Half-hood Readypak: Duraflow Powered Air unit; Standard duration battery; Standard belt; Charger; 2x PF filters; FH1 headtop; PU fixed-length hose	2031663
DURAFLOW/FH2 Hood Readypak: Duraflow Powered Air unit; Standard duration battery; Standard belt; Charger; 2x PF filters; FH2 headtop; PU fixed-length hose	2031664
DURAFLOW/FH21 Hood Readypak: Duraflow Powered Air unit; Standard duration battery; Standard belt; Charger; 2x PF filters; FH21 headtop; PU fixed-length hose	2031665
Accessories	
Standard duration battery	2031744
Extended duration battery	2031745
Standard Belt	5062786
Comfort Belt	5063597
Harness	5063596
Decontamination plugs pack: 1x hose cap & 2x filter cap	2031747
Headtops	
FH1 Half-hood	2022948
FH2 Hood	2022949
FH21 Hood	2023098
Hoses	
PU Fixed Length	2026226
EPDM (80cm)	5564453
Filters	
PF10 P3 R (20)	5052670
CF22 A2-P3 PSL R (20)	5042670
CF32 A2B2E2K2-P3 PSL R (20)	5042799
CF32 A2B2E2K2 Hg P3 R (20)	5542798



TECHNICAL DATA	
Approvals	EN12941 . CE 0086.
Air flow	Min 160 l/min, automatic adjustment
Battery	Rechargeable, Li-ion - available in Standard or Extended durations
Battery operating time (Standard Battery)*	Up to approx. 8 hours depending upon Headtop/filter combination
Unit display	Power status; battery gauge; alarm status
Alarms	Low flow; Low battery
User notification	3 beeps when correct airflow reached on start up
Temperature range	-10°C to +50°C
Humidity	<95%
Ingress Protection Rating	IP55 (battery & filters fitted, without decon plugs fitted); IP67 (Battery fitted, with hose & filter decon plugs fitted)
Approximate weight of unit without filters & battery	600g
Sound level	< 70 dB
Recharging temperature	Recommended recharging temperature ca + 20 °C

MAINTENANCE

NOTE: Only Scott Safety certified technicians can perform maintenance on the Duraflow PAPR. Regular and scheduled maintenance is essential for safe use of the equipment. In addition to pre-use and storage checks, check the apparatus on a monthly basis, and replace any defective parts. A qualified service and maintenance operator must perform a service on an annual basis.

Scott Safety has an approved network of service centres for this purpose. A regular monthly maintenance schedule is performed as per the pre-use checks that includes a thorough visual inspection of all components. Perform a thorough inspection of all component parts before and after each use.

CLEANING

Regular cleaning will keep the unit operational for a longer duration. To clean, carefully wipe the powered air unit. You can clean the unit with any of the following cleaning solutions: soap and water, Tristel plc's DISTEL™ solution, Ecolab USA Inc.'s INCIDUR™ solution and some dioxyclohexane-based cleaning solutions. Do not submerge the PAPR unit unless a decontamination kit is fitted to the PAPR. The decontamination kit is available for purchase and comprises filter and hose plugs which prevent liquid entering the PAPR unit. Keep the battery and plugs fitted to the PAPR unit if submerging, because water exposure to the battery's electrical contacts and internals of the unit can cause an electrical short or damage to the unit. Duraflow has an IP55 rating for shower resistance and IP67 with battery and decontamination plugs fitted. If you shower the PAPR, keep the battery and filters or decontamination plugs fitted. Once clean, all components must be left to dry naturally.

STORAGE

Ensure that the Duraflow is protected from damage during transport. When not in use, store the equipment in a clean, dry environment, away from direct heat sources between -10°C and +50°C, at a humidity of less than 75% RH.

DISPOSAL

Dispose of the equipment in accordance with local regulatory requirements.