

# DURAFLOW

POWERED AIR RESPIRATOR



# DURABLE PROTECTION

## DURAFLOW

Scott Safety's new DURAFLOW PAPR provides durable, versatile protection for users in a wide range of demanding environments at an affordable price.



- The DURAFLOW powered air respirator is designed with end user comfort in mind. Its sleek, modern ergonomic profile allows the user to experience enhanced comfort while working in the most demanding environments. DURAFLOW features a durable body to withstand arduous environments and a range of design features including: real-time air flow control; audible/visual alarms; 2 battery options, LED operation displays. Additionally DURAFLOW'S high IP rating (IP67) means the unit can be submerged for cleaning\*. DURAFLOW is available with a wide range of approved Scott Safety headtops and filters for a variety of applications.
- **REAL-TIME FLOW CONTROL**
  - Intelligence in the unit is constantly monitoring the flowrate in real-time to ensure correct flowrate delivered to user. Even as system parameters change such as battery power deteriorating correct flowrate is guaranteed. Alarms sound if correct flowrate cannot be achieved so user can take appropriate action.
- **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.
- **COMFORTABLE TO WEAR FOR LONG PERIODS OF TIME**
  - The lightweight, low profile ergonomic design provides comfort even over extended durations of hard work.
- **2 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
- **IP 67 INGRESS PROTECTION**
  - Unit can be submerged when fitted with battery and decontamination plugs, and is resistant against a variety of commonly used cleaning solutions (please refer to instruction manual for exact Cleaning & Maintenance details)
- **REMOVABLE BATTERY**
  - DURAFLOW has a removable battery to allow users to charge and change batteries for uninterrupted work.
- **EASILY SERVICEABLE**
  - Service support for main parts available as per Scott Safety's wide approved PAPR service network.
- **ULTRA LIGHTWEIGHT**
  - At approx 600g (without filters or battery), DURAFLOW is ultra-light and has a compact profile for comfortable long shift duration.

\*please note: decontamination hose plug, filter plugs and battery should be fitted if submerged for cleaning! Battery operating times are based on a fresh battery, appropriately charged with new filters being used at room temperature and moderate workrates. Extremes of temperature, the age and cycle of the battery, charge status, filter clogging, and high workrates may negatively impact operating time. If the application is sensitive to operating time it is recommended that the end user consult Scott Safety to determine which type of battery should be used.

Intuitive design allows compatibility with existing belt options for optimal configuration

Range of hose options available enables usage with variety of headtops

Sleek and modern design enhances user comfort

Intelligent real time flowrate control ensures correct airflow to user

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

High IP rating minimizes dust and water ingress during decontamination

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

Choice of Standard, Comfort or Decontamination belts\*



## 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 minimize downtime
- Wide assortment of headtops & filters
- High IP rating for effective decontamination
- Starter kit & readypaks available including most popular headtop types

Please note: FH31/ABEK-PSL/ABEKHg-PSL/PU (stretch & fixed) hose not an approved combination

## 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 hose, which should be ordered separately.



Fixed Length PU



Self Adjusting PU



EPDM

\*Standard belt included in starter pack. Other belts available separately. Please note: FH31/ABEK-PSL/ABEKHg-PSL/PU (stretch & fixed) hose not an approved combination

# YOUR STATUS. AT YOUR FINGERTIPS.

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.



## Duraflow

### 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
Battery operating time (Extended Battery)*	Up to approx. 16 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

\* Operating times are based on a fresh battery, appropriately charged with new filters being used at room temperature and moderate workrates. Extremes of temperature, the age and cycle of the battery, charge status, filter clogging, and high workrates may negatively impact operating time. If the application is sensitive to operating time it is recommended that the end user consult Scott Safety to determine which type of battery should be used.

# HEADTOPS

APPROVED WITH DURAFLOW

**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 with skin-friendly neoprene chin seal
- CE certified to EN12941 TH3, EN166 1F

**FH21**



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

**FH22**



- Quick-draw adjustable headband and harness assembly for easy donning
- Double cape design for compatibility with various coverall designs
- Disposable full hood design with optional disposable hose cover
- Can be used for single or multi-use when maintained in accordance with user instructions
- CE certified to EN12941 TH3, EN166 1F

**FH31**



- Lightweight polyethylene frame with anti-mist coated acetate visor
- Washable and replaceable polyether foam face seal
- Face shield design with broad elastic headband harness
- CE certified to EN12941 TH3, EN166 1B

# EVERYTHING YOU NEED. IN ONE PACKAGE

Scott Safety offers the DURAFLOW Powered Air Respirator in a number of convenient "Readypak" configurations. These Readypaks provide users a convenient "ready to go" respiratory solution, enabling the simple initiation of equipment. Readypaks contain all the equipment required to commence using DURAFLOW.

## STARTER PACKS

For users who own a Scott Safety headtop (subject to approval with DURAFLOW - see table opposite), a DURAFLOW Starter Pack is available which contains the DURAFLOW unit, standard belt, standard battery and charger. When used in conjunction with a Scott Safety headtop, filter and hose, the starter pack provides all product required to begin using DURAFLOW.

## READYPAKS

For the ultimate in convenience and for users who do not own an approved Scott Safety headtop, DURAFLOW Readypaks are available which comprise the same contents as the Starter Pack, with the addition of a Scott Safety headtop and particle filters. A number of headtop configurations are available to best suit the application and user.



# DURAFLOW ACCESSORIES

A range of accessories are available for Duraflow including extended duration batteries, decontamination kits and harnesses.



## BATTERIES

*Extended duration batteries are available, enabling almost double the operating duration*



## COMFORT BELT

*The addition of a comfort belt ensures comfort over long working periods*







## HARNESS

*When working for long periods a PAPR harness may be preferred*

# ACCESSORIES

## ORDERING INFORMATION

### PRO2000 STANDARD FILTERS APPROVED FOR DURAFLOW

Colour Code	Part Number	Filter Description	Protection	For Use Against
	5052670	PF10 P3 R	P S L	Solid and liquid particles of toxic agents, radioactive substances and microorganisms, e.g. bacteria and viruses.
	5042670	CF22 A2-P3 PSL R	A1 P S L	Organic gases and vapours, e.g. solvents with a boiling point above 65°C, solid and liquid particles, radioactive and toxic particles and micro-organisms.
	5042799	CF32 A2B2E2K2-P3 PSL R	A1B2E2K2 P S L	Organic, inorganic and acid gases and vapours as well as ammonia and organic ammonia derivatives, solid and liquid hazardous particles, e.g. radioactive and toxic substances and micro-organisms.
	5542798	CF32 A2B2E2K2 Hg P3 R	A1B2E2K2 Hg P S L	Organic, inorganic and acid gases and vapours as well as ammonia and organic ammonia derivatives, mercury and mercury compounds, solid and liquid particles, radioactive and toxic particles and micro-organisms.

### FLOWHOOD (FH) HEADTOPS APPROVED FOR DURAFLOW

Part Number W EUROPE	Part Number NORDIC	Description
2022948	2025473	FH1 Half-hood
2022949	2025480	FH2 Hood
2023098	2025486	FH21 Hood
2024478	2025499	FH22 Hood
2023084	2023086	FH31 Visor

### HOSES APPROVED FOR DURAFLOW

Part Number	Description
2026235	PU Stretch
2026226	PU Fixed Length
5564453	EPDM (80cm)

### ACCESSORIES FOR DURAFLOW

Part Number	Description
2031744	Standard duration battery
2031745	Extended duration battery
5062786	Standard Belt
5063597	Comfort Belt
5063596	Harness
2031747	Decontamination plugs pack: 1x hose cap & 2x filter cap

Please note: FH31/ABEK-PSL/ABEKHg-PSL/PU (stretch & fixed) hose not an approved combination



Duraflow Powered Air Respirator is a durable unit providing electronic flow control, in-use status monitoring and filter & battery alarms, in a durable blower designed to meet the demands of the most aggressive working environments.

## ORDERING INFORMATION

### DURAFLOW - POWERED AIR RESPIRATOR

Part Number	Description
2031662	DURAFLOW Starter Pack includes: Duraflow Powered Air unit; Standard duration battery; Standard belt; Charger
2031663	DURAFLOW/FH1 Half-hood Readypak: Duraflow Powered Air unit; Standard duration battery; Standard belt; Charger; 2x PF filters; FH1 headtop; PU fixed-length hose
2031664	DURAFLOW/FH2 Hood Readypak: Duraflow Powered Air unit; Standard duration battery; Standard belt; Charger ; 2x PF filters; FH2 headtop; PU fixed-length hose
2031665	DURAFLOW/FH21 Hood Readypak: Duraflow Powered Air unit; Standard duration battery; Standard belt; Charger ; 2x PF filters; FH21 headtop; PU fixed-length hose
2031666	DURAFLOW/FH22 Hood Readypak: Duraflow Powered Air unit; Standard duration battery; Standard belt; Charger ; 2x PF filters; FH22 headtop; PU fixed-length hose
2031667	DURAFLOW/FH31 Visor Readypak: Duraflow Powered Air unit; Standard duration battery; Standard belt; Charger ; 2x PF filters; FH31 headtop; EPDM rubber hose