

PROFLOW SC

POWERED AIR RESPIRATOR



MORE FLEXIBILITY ADDED SAFETY

PROFLOW SC

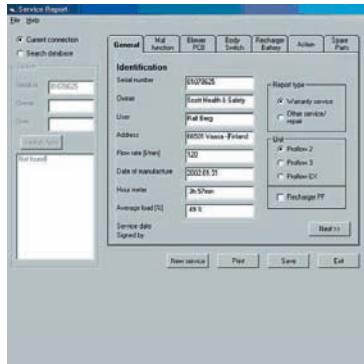
Comprehensive powered air respiratory protective system from Scott Safety.



- Proflow SC represents the next generation of powered air respirators. Intelligent and easy to use the PF SC has a number of advanced refinements over the original Proflow concept. Lightweight and compact Proflow SC's ergonomic design incorporates a curved backplate, which ensures user comfort for long periods of use. An extensive choice of headtops meets the widest range of applications. The unique 3 year blower warranty confirms the reliability and robust design of Proflow SC.
- **INTELLIGENT**
 - Electronic control of the air supply maintains the comfortable airflow, automatically compensating for changes in filter resistance
 - On board data logging records usage to provide reliable and downloadable maintenance information
 - Unique 3 year/1800 hour blower warranty, whichever comes first (battery warranty 1 year)
- **PERFORMANCE MONITOR**
 - Comprehensive alarm system ensures operational safety
 - Continuous visible monitor of battery status and filter blockage with audible warning of need to recharge/replace the filters
 - Typical 7-15 hours use from a single charge (depending on the filter/facepiece combination)
- **MULTI-FUNCTION, MULTI-PURPOSE**
 - Extensive headtop options to cover the widest range of applications
 - Comprehensive choice of filters available, including PSL, APSL, BPSL, ABPSL, ABEPSL, ABEKPSL and ABEKHgPSL



INTELLIGENT SAFETY SMARTER SOLUTIONS



MINIMAL MAINTENANCE

- No user calibration or servicing required
- The electronics allow your Scott approved service centre to run diagnostic checks and provide full service history records



LOW THROUGH LIFE COSTS

- Durable construction and heavy-duty materials ensure a long working life
- Shower-proof casing for easy decontamination

ALWAYS ON STANDBY

- Integrated battery is safely enclosed within the casing and is rechargeable in-situ
- Lightweight NiMH battery with fast recharge
- Smart charger indicates charging status and reverts to trickle charge, allowing fully charged battery to remain plugged-in on standby
- Shielded on/off button eliminates accidental shut-off

Proflow SC

Technical Data

Approvals:	EN12941 & 12942 (TH1/TH2/TH3/TM3). CE 0121.
Air flow:	Min 120 l/min, automatic adjustment.
Battery:	Rechargeable, PF NiMH 9.6V/ Standard. Optional PF NiMH 9.6V/Power
Battery operating time	7-15 h from a single charge, depending on the filter/facepiece combination
Charging device:	6 h recharging time. Automatic trickle charge.
Power pack status indication:	Visual display of battery status (A), filter blockage (P). Warning buzzer of low battery status; running time ca.15 minutes left.
Weight of unit without filters:	1,4 kg
Sound level:	< 70 dB
Temperature range:	-10 °C ... + 50 °C
Humidity:	< 95%
Recharging temperature:	Recommended recharging temperature ca + 20 °C
Ingress Resistance:	IP54S IEC 60529

HEADTOPS

TH2 HELMETS AND HOODS

PROCAP

Procap features a sturdy heat-resistant polyamide shell, adjustable head harness, comfortable face seal and parallel-rail guided visor frame.

- Choice of visors for protection against impact, glare, heat and infrared radiation available
- The breathing hose is swivel-jointed to provide freedom of movement
- CE certified to EN 12941, TH2. EN 397. EN 166/169. EN 175. EN 352-3.



AUTOMASK

Lightweight and comfortable multi-purpose face shield.

- The durable frame is polyethylene and the acetate visor is anti-mist coated.
- Replaceable and washable polyether-foam face seal.
- CE certified to EN 12941, TH2.



FLOWHOOD 5

Flowhood 5 combines head, face and respiratory protection.

- Lightweight, well-balanced ABS helmet
- Airflow distribution minimises wind in the eyes discomfort
- Choice of polycarbonate or acetate visors with PU-coated nylon face seal
- CE certified to EN 12941, TH2. EN 397. EN 166 1B9 (Eye & Face).



PROVIZOR

This lightweight face shield has a skinfriendly silicone face seal, a moulded frame and replaceable anti-mist acetate visor.

- Headband options: comfortable textile or silicone
- A hose with an angled connector available
- Impact resistant visor to class 3-B.
- CE certified to EN 12941, TH2.



FLOWHOOD 3

Flowhood 3 combines respiratory and face protection.

- The replaceable flip up visor is available in polycarbonate or acetate
- Lightweight and comfortable with a broad face seal
- CE certified to EN 12941, TH 2.



FLOWHOOD 1

An ultra-lightweight semi-hood for applications where impact protection is not required.

- Manufactured from durable PU coated nylon material with a flexible acetate visor.
- Available in two sizes to ensure a good fit for all wearers.
- CE certified to EN 12941, TH 2.



TH2 HOODS AND HELMETS



HEADTOPS

TH3 HELMETS AND HOODS

FLOWHOOD 25

For the most demanding applications, this headtop provides head, face and respiratory protection and a full hood in Hypalon to also provide chemical splash resistance. Provides the highest level of PAPR protection.

- Integrated protection for high risk environments
- Utilises proven Protector safety helmet with ratchet adjustment
- CE certified to EN 12941, TH3. EN 397 (Head) and EN 166 1B9 (Eye & Face).



FLOWHOOD 25 CS / AS

Flowhood 25 CS- As Flowhood 25 in bonded Butyl-Viton for even greater chemical splash resistance.

- CE certified to EN 12941, TH3, EN 397 (Head) and EN 166 1B9 (Eye & Face).

Flowhood 25 / AS - As Flowhood 25 in black anti-static Hypalon.

- CE certified to EN 12941, TH3, EN 397 (Head) and EN 166 1B9 (Eye & Face).



FLOWHOOD 2

A lightweight full hood with a flexible acetate visor providing the highest level of PAPR protection.

- Simple drawstring neckseal
- Overcomes fit issues, such as spectacles and facial hair
- Durable PU coated nylon material
- CE certified to EN 12941, TH3.



FLOWHOOD 2 / AS

As Flowhood 2, in white with an enhanced anti-static polyurethane coating.

- AS hood prevents static build-up and transfer
- Taped seams prevent liquid ingress
- Overcomes fit issues, such as spectacles and beards
- CE certified to EN 12941, TH3.



FLOWHOOD 2 / SU

As Flowhood 2, in white non-woven material. Utilises chinseal design in place of drawstring.

- Disposable/Single Use to prevent need to decontaminate for re-use
- Cost efficient - retain hose and replace headtop only
- Seals on fitting - no drawstring required
- CE certified to EN 12941, TH3.



AUTOMASK LITEHOOD

The addition of a PVC hood to the lightweight, comfortable and multi-purpose Automask face shield.

- Offers full head and neck cover as well as excellent facial impact protection
- Further increases level of respiratory protection
- CE certified to EN 12941, TH 3.



TH3 HOODS AND HELMETS



HEADTOPS

TH2 & TH1 WELDING HELMETS AND SHIELDS

PROCAP WELD

All the benefits of Procap plus a removable lightweight welding shield with a flip-front.

- 110x90mm lens aperture which accepts electro-optical and passive welding lenses.
- The unique patented dual visor-glide mechanism allows the user to smoothly retract the welding shield individually or both visors.
- CE certified to EN 12941, TH2. EN 175. EN397.



WS-PF WELDING SHIELD

WS-PF is a new lightweight welding shield approved for the Proflow system. Clean air is delivered direct to the breathing zone through the crown duct.

- WS-PF features a shaded UV-visor a flip-up welding visor
- Airflow distribution minimises wind in the eyes discomfort
- Comfortable to use - the lateral distortion from the hose is eliminated
- CE Certified to EN 12941, TH2. EN 175 (Welding).



ALBATROSS 300 WELDING SHIELD

Incorporates a flip-front 60 x 110 mm which accepts passive and electro-optical lenses.

- EN 12941. TH1.



WELDING SHIELDS TH2 & TH1



HEADTOPS

TM3 FACEMASKS



PROMASK BLACK

Promask offers particularly comfortable high level protection.

- Promask black is made from special halo-butyl elastomer with high chemical resistance as well as being skin-friendly
- CE certified to EN 12942, TM3



PROMASK SIL

Promask offers particularly comfortable high level protection.

- Promask Sil full face mask in yellow hypo-allergenic silicone
- CE certified to EN 12942, TM3



SARI

Available in soft natural rubber, Sari offers cost effective full facemask protection

- Features a comfortable face seal, wide-view visor and excellent anatomic fit.
- CE Certified to EN 12942, TM3.



TM3 FACEMASKS



Scott Distributors, Customer Services and Field Sales are committed to providing the best customer support and will be pleased to assist with and advise on your training, fit-testing and product service requirements.

Scott Safety supply to a network of Specialist Distributors with whom we work in close partnership to provide the highest levels of technical support and advice.

Our Specialist Distributors are also trained and audited to provide regular servicing, maintenance and re-certification of product to the exacting requirements of all local Legislative Authorities and industry Governing Bodies.

These products should not be used in atmospheres immediately dangerous to life, in confined spaces or in atmospheres deficient in oxygen (less than 19.5%).

APPLICATIONS

TYPICAL HEADTOP USE

Application	Facepieces								
	Full Face mask	Half Mask	Automask, Provizor	Flowhood 1, 3	Flowhood 2	Flowhood 5	Automask Litehood	Procap & Flowhood 25	Welding Shields
Aluminium works	•	•	•			•	•	•	•
Asbestos removal	•								
Nuclear industry	•				•	•	•	•	
Pharmaceutical	•	•	•	•	•	•	•	•	
Steel industry	•	•				•		•	•
Lead processing	•	•	•			•		•	•
Paint spraying	•	•	•		•	•	•	•	
Chemical plants	•				•	•		•	
General maintenance	•	•	•		•	•		•	•
Laboratories	•	•	•	•	•				
Welding								•	•
Shipyards	•	•						•	•
Foundries	•	•	•		•	•		•	•
Agriculture		•	•	•	•			•	
Flour mills and silos	•	•	•	•	•	•		•	
Food processing	•	•	•	•	•		•		
Pest control	•	•			•		•	•	
Animal husbandry		•	•	•	•				
Grinding	•		•			•	•	•	
Blasting operations							•	•	
Isocyanates	•						•	•	
Petrochemical	•				•	•		•	
Textiles			•	•	•				
GRP (glass-reinforced plastic) Manufacture	•		•		•	•	•	•	
Mining	•	•	•					•	
Demolition & maintenance	•	•	•			•		•	
Building & Construction	•	•	•			•		•	•
Purification & Sewage	•	•	•	•	•	•		•	
Paper & Pulp industries	•	•	•	•	•	•	•	•	•
Electronics/ PCB manufacture		•	•	•	•	•		•	



APPROVED FILTERS

PROFLOW SC PROTECTION FACTORS & APPROVED FILTERS

Proflow SC approved combinations and classifications EN12941 and 12942				
Headtops	Full Face mask	Automask-Litehood, Flowhood 2, Flowhood 25	Automask, Provizor, Flowhood 1, 3, 5, Procap, WS-PF and Procap Weld	Albatross 300
Filters				
PF10 PSL	TM3 PSL	TH3 PSL	TH2 PSL	TH1 PSL
CF22 A PSL	TM3 A2PSL	TH3 A2PSL	TH2 A2PSL	TH1 A2PSL
CF22 B PSL	TM3 B2PSL	TH3 B2PSL	TH2 B2PSL	TH1 B2PSL
CF22 AB PSL	TM3 A1B2E1PSL	TH3 A1B2E1PSL	TH2 A1B2E1PSL	TH1 A1B2E1PSL
CF22 ABE PSL	TM3 A1B2E1PSL	TH3 A1B2E1PSL	TH2 A1B2E1PSL	TH1 A1B2E1PSL
CF32 ABEK PSL	TM3 A1B2E2K2PSL	TH3 A1B2E2K2PSL	TH2 A1B2E2K2PSL	TH1 A1B2E2K2PSL
CF32 ABEKHg PSL	TM3 A2B2E2K2Hg PSL	TH3 A2B2E2K2Hg PSL	TH2 A2B2E2K2Hg PSL	TH1 A2B2E2K2Hg PSL

Protection Factors (National directions must be followed)		
Powered respirators with particle and combined filter combination	Nominal Protection Factor ¹⁾	BS 4275 Assigned Protection factors ²⁾
Powered respirator TH1	10	10
Powered respirator TH2	50	20
Powered respirator TH3	500	40
Power-assisted respirator TM1	20	10
Power-assisted respirator TM2	200	20
Power-assisted respirator TM3	2000	40

1) Respiratory protective devices -Recommendations for selection, use, care and maintenance.
PrEN 529:2003 CEN/TC 79 2003-12-1.

2) BS 4275 APF= assigned protection factor












Scott Safety recommends that the most conservative value of protection factor should be used. This is in accordance with international best practice.



READYPAKS

COMPLETE PACKAGES FOR PROFLOW SC

Scott Safety offers Proflow SC Readypaks which provide a "ready to go" system containing all you will need to get started.








Proflow SC Readypak	
Packages contain Proflow SC blower, battery, charger, face piece, comfort belt, and Pro 2000 PF10P3 Filters.	
	Proflow SC Flowhood 1 S/M
	Proflow SC Flowhood 1 M/L
	Proflow SC Flowhood 2
	Proflow SC Flowhood 2 AS
	Proflow SC Flowhood 3
	Proflow SC Flowhood 5
	Proflow SC Flowhood 25
	Proflow SC Automask
	Proflow SC Automask Litehood
	Proflow SC Provizor w/ textile harness
	Proflow SC Promask, black

ACCESSORIES

Proflow SC has a range of available accessories including:

- Batteries
- Harnesses
- Waistbelts
- Carry cases
- Power cables
- Protective Covers
- Shower Covers



PRO2000 filters approved for Proflow SC				
	Colour Code	Filter		Code
		PF10 PSL	Solid and liquid toxic, radioactive and detrimental particles as well as micro-organisms, e.g. bacteria and viruses.	5052670
		CF 22 A PSL	Gases and vapours from organic compounds and solid and liquid toxic particles.	5042670
		CF 22 B PSL	Inorganic gases and vapours and solid and liquid toxic particles.	5042671
		CF 22 AB PSL	Organic, inorganic gases and vapours and solid and liquid toxic particles.	5542674
		CF 22 ABE PSL	Organic, inorganic and acid gases and vapours and solid and liquid toxic particles.	5042678
		CF 32 ABEK PSL	Organic, inorganic and acid gases and vapours, ammonia and solid and liquid toxic particles.	5042799
		CF 32 ABEKHg PSL	Organic, inorganic and acid gases and vapours, ammonia, mercury vapour and mercury compounds and solid and liquid toxic particles.	5542798

Pro2000 filters are fully EN-approved to the latest standards, CE-marked, and connect via a 40 mm EN148-1 thread.

PRACTICAL SERVICE

Proflow SC incorporates a data-logging function, which automatically records reliable information about usage and performance of the blower unit:



Scott recommends a yearly service calibration check carried out by authorized personnel.

- Provides historical maintenance log
- Maintains serial and owner ID on board
- Maintains loading data
- Tracks filtration resistance to assist in scheduling filter changes
- Downloads data at service, offers a full report to the customer
- Provides error information thanks to fault memory
- Includes diagnostic program technology - Auto Analysis
- Maintains warranty status
- Authorised service personnel carry out service, and we recommend a yearly service calibration and check.



LOW COST OF OWNERSHIP

Low cost of ownership and minimising through-life expense are priorities in modern industry. Proflow SC offers a 3 year or 1800 hour run time warranty on the motor and requires no user calibration, significantly reducing on-site maintenance costs and expensive downtime between uses.

The on-board electronics allow a Scott approved service centre to run a full diagnostic check during the recommended annual service, giving a fast turnaround and keeping service costs to a minimum.

The same electronics continuously record use and performance data, which is easily downloaded. This greatly simplifies RPE record keeping, and will maintain a full service history of the unit.



The Proflow SC system incorporates some of the most advanced features available today, including data-logging, electronic flow control, in-use status monitoring and filter & battery alarms, into a rugged blower designed to meet the demands of the most aggressive working environments.

ORDERING INFORMATION

PROFLOW SC - ADVANCED POWERED AIR RESPIRATOR

Blower

Part Number	Description
5064024	Proflow SC blower, including battery, charger, hose and belt

Headtops

Part Number	Description
5064281	Flowhood 1 S/M semi-hood
5064282	Flowhood 1 M/L semi-hood
5064282	Flowhood 2 full hood
5064283	Flowhood 2/AS antistatic full hood
5064670	Flowhood 2/SU single use hood
5064285	Flowhood 3 hood with visor
5064286	Flowhood 5 hood with helmet
5064284	Flowhood 25 full head/ shoulder cape with helmet, PC visor
5064284	Flowhood 25, AC visor
5064287	Flowhood 25/AS antistatic variant
5064299	Flowhood 25/CS variant in Butyl-Viton for better chemical resistance
5064401	Procap helmet, clear PC visor
5063080	Automask faceshield
5063085	Automask-Litehood hood
5064181	Provizor faceshield
5064421	Procap Welding helmet
5062782	WS-PF welding shield
5063280	Albatross 300 welding shield
5512681	Promask M, standard size full face mask
5512670	Promask S, small size full face mask
5512681	Promask Silicone
5511680	Sari NR full face mask



Scott Safety is a global business unit of Tyco International that supplies a variety of industries through manufacturing facilities located in the United States, United Kingdom, Asia, Finland and Australia.
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