

TECHNICAL DATASHEET

PROFILE² TWIN FILTER HALF MASK

DESCRIPTION

Profile² is a twin-filter half mask which features a TPE (thermoplastic elastomer) face piece in three sizes S, M/L, L. The wide and soft peripheral sealing edge provides a leak-proof and secure fit.

The adjustable, elastic four-point head harness comprises a cradle-type headband and neck strap. It is threaded through the polyacetal (POM) front cover to ensure good stability and balance on the nose and jaw.

The mask features two inhalation valves and one exhalation port.

The exhalation channel is protected with a downward facing grille.

The exhalation valve disc is made from liquid silicone and the inhalation valve discs from EPDM.

The sizing and anatomic design is based on a wealth of anthropometrical data and a multitude of in-house test panels.



Profile² accepts gas, particle and combined cartridges from the Scott Pro² filter range using a safety bayonet locking mechanism and featuring unique protective covers with recessed inlet grilles. The covers protect the filters from splashes and sparks. Filters are positioned with the inlet grilles to the rear for good balance and an unobstructed field of vision.

The Pro² filters feature low breathing resistance; they are light in weight and filter capacity exceeds EN140:1998 standard requirements. All filters are tested on the automated production line as follows:

- particle filters: penetration and resistance
- gas filters: resistance and carbon layer thickness
- combined filters: penetration, resistance and carbon layer thickness.

LEAKAGE TESTING

This can be performed in two alternative ways:

1.) Cover the recessed exhalation port grille with your hand and exhale gently to create overpressure. No outward leakage should be felt around the faceseal edge.

2.) Cover the recessed filter inlet grilles with your palms and inhale to cause the facepiece to collapse slightly. If leakage is detected with either method, re-adjust the head harness or try another mask size.

Cleaning: use lukewarm water and mild detergent (neutral pH 6-8). Do not use solvents (like turpentine, acetone), hot water or bleaching agents (like perborate, percarbonate).



MAINTENANCE

Use only original spare parts. After use the mask must be checked, cleaned and disinfected. Replace damaged parts. Valve discs must be replaced every other year at the latest.

STORAGE

The mask should be protected from direct sunlight, grease and oil. The store should be dry and cool. The components should not be more than 5 years old. Storage of Ready-Pak™ (mask + filters): -10°C...+30°C, max RH 75 %. After use, an opened filter must be sealed tightly if it is to be reused, but it must be replaced within 6 months at the latest.

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TEST RESULTS. BGIA 10.02.2005. Test report Nr. 200423612/2120. (Average values, full test reports available from Scott Safety customer service)

Feature	PROFILE ² HALF MASK	EN140:1998 requirement
Breathing resistance:		
30 l/min	0.08 mbar	Max 0.5 mbar
95 l/min	0.3 mbar	Max 1.3 mbar
160 l/min	0.7 mbar	Max 2.0 mbar
Exhalation 160 l/min	0.45 mbar	Max 3.0 mbar
CO ₂ content inside the mask	0.5%	Max 1.0%
Inward leakage (with combined filter Pro ² A1B1E1K1 P3)	0.1 % *	max 2.0 %
Weight:		
Size S	113g	-
Size M/L	114g	-
Size L	118g	-
	(with A1B1E1K1P3 filter ~280 g)	

*) Tested with mask sizes S, L and M. According to the test procedure EN 140:1998 paragraph 7.2.

Profile² and Pro² filters are fully approved and CE certified to EN140, EN14387:2004, EN 143. EC-type examined by BGIA, ID:0121.

MATERIAL DATA

Part	Material
Facepiece	SEBS (TPE)
Cover (front of exhal. valve + body for the harness)	POM (polyacetal)
Body with valve seats	PA66 (polyamide)
Inhalation valve disc	EPDM
Exhalation valve disc	Silicone (LS)
Cradle (head harness)	PP (polypropylene)
Harness	Elastic PES-band

PROTECTION FACTORS

Combination	Nominal protection factor, NPF EN529:2005	UK values, APF BS 4275.UK	Multiples of O.E.L. values German figures BGR 190	Finnish Institut of Occupational Health. FIOH & STM 2007
Half mask with particle filter P3	50	20	30	30
Half mask with gas filter	50	10	30	20
Half mask with combined filter	50	10	30	20



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.