

TECHNICAL DATASHEET

PROMASK FULL FACE MASK

DESCRIPTION

Promask full face mask is to be used with a filter (40 mm thread, EN 148-1), with Autoflow or Proflow powered air filtering device and or a face piece of compressed airline system with flow control valve and a clean air supply from an industrial compressed air system.

Promask full face mask features a faceblank with wide T-profile sealing edge, transparent inner mask with 2 check valves, 5-point adjustable rubber harness with quick release plastic buckles, speech diaphragm, and panoramic visor. The faceblank is made from special engineered halo-butyl elastomer compound. The Promask is available in two sizes: M general size and S small.

Inner mask is made from non-allergenic silicone. The visor is available in 2 material choices: polycarbonate, polycarbonate HC = hard-coated for scratch resistance.



ACCESSORIES

A special welding visor frame for Promask can be mounted on the mask by two lever-hooks; the flip-up lens can be fitted with welding glass of different shade or with an electro-optical "Autoshade" 10/11 lens (size 60 x 100 mm).

The Promask can be provided with a spark guard for exhalation valve or speech channel.

Custom-made, easy-to-attach spectacle frame is optional for wearers of prescription lenses.

The optional Data Carrier electronic identification system enables tracking of maintenance history of each mask. The mask is equipped with an electronic tag and the data is fed by a reader/writer head and saved to the tag and company's data system.

Protester, a leak-test device provides a simple but reliable means of testing the fit of the full face mask.

MATERIALS	
Part	Material
Faceblank	Halo butyl elastomer compound, including: Butyl IIR, EPDM and natural rubber (Procomp™)
Inner mask	Silicone; transparent liquid silicone
Visor	Polycarbonate or Polyamide HC (hard coated on both sides for solvent resistance)
Head harness	Natural rubber (NR)
Valve discs	Silicone

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TEST RESULTS. (BGIA. Average values, full test reports available from Scott Safety customer service)

Feature	PROMASK	EN136 requirement
Breathing resistance:		
30 l/min	0.3 mbar	Max 0.5 mbar
95 l/min	0.8 mbar	Max 1.5 mbar
160 l/min	1.3 mbar	Max 2.5 mbar
Exhalation 160 l/min	1.05 mbar	Max 3.0 mbar
CO ₂ content inside the mask	0.5%	Max 1.0%
Inward leakage	0.01 % (average)	max 0.05 %
Field of vision:		
Effective	85 %	min 70 %
Overlapped	83 %	min 80 %
Filter thread	EN 148-1, 40 mm, NATO	-
Weight	500 g	-
Approvals	<ul style="list-style-type: none"> • CE 0121. EN 136 class 3 • CE 0121. EN 12942 TM3 • CE 0403. EN 139 	<ul style="list-style-type: none"> • Filter mask • Powered air respirator facepiece • Compressed air-line full face mask

WEIGHT

Part	Weight	Weight with P3 filter	Weight with CF22A2-P3 filter	Weight with CF32 A2B2E2K2-P3 filter
Promask Procomp™	525g	615g	755g	895g

PROCOMP MATERIAL PROPERTIES (TEKNIKUM OY)

Feature	Promask Procomp
Mechanical durability	good
Chemical resistance	excellent
Temperature range	excellent (-40 ... +100°C)
Steam resistance	good
Leak-tightness (gas & vapour impermeability)	excellent
Ozone resistance	excellent
Light resistance	good
Resistance to wear and tear	good

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PROTECTION FACTORS			
Combination	Maximum use of concentrations as multiple of exposure limit¹	Assigned protection factors BS4275²	Nominal protection factor³
Full face mask and particle filter P3	400 x O.E.L.	40	1000
Full face mask and gas filter class 2	400 x O.E.L.	20	2000
Powered respirator facepiece	500 x O.E.L. [TM3]	40 [TM3]	2000 [TM3]
Compressed airline facepiece	1000 x O.E.L.	100	2000

¹⁾ BGR 190 "Benutzung von Atemschutzgeräten". HVBG. April 2004. Germany.

²⁾ BS4275 "Respiratory protective equipment at work" HSE 2005. UK.

³⁾ Respiratory protective devices - Recommendations for selection, use, care and maintenance. PrEN 529:2003 CEN/TC 79. 2003-12-1 prEN 529.

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