

TECHNICAL DATASHEET

PROMASK COMBI



DESCRIPTION

The Scott Safety Promask Combi is a continuous flow compressed airline system. The system needs to include the Scott Safety airline FCV regulator and be connected via a compressed air hose to the source of compressed air. The waistbelt mounted regulator enables the user to adjust the airflow to ensure optimum comfort.

The Promask Combi includes a right side adaptor for connection to a compressed air hose and a left side 40mm thread connector for a filter connection. The full face respirator is fitted with a self closing connector. When entering and leaving the contaminated area, the connector can be detached from the FCV regulator and the left side connector can be fitted with a suitable Scott Safety Pro2000 filter (40mm thread).

The Promask Combi full face respirator is made from specially engineered halo-butyl elastomer compound offering high resistance to chemicals and aging. The

facepiece has a wide T-bar sealing edge, transparent inner mask with two inhalation valves and a 5-point adjustable rubber harness with quick release plastic buckles. The speech diaphragm helps transfer clear and audible speech along with a sweat port in the chin pocket providing added comfort during extended wear times. Wide panoramic polycarbonate visor to maximise the field of vision, with an optional polycarbonate hard coat visor to enhance resistance to scratching.

Air from a compressed air source is fed to the flow control valve through the compressed air supply hose which is delivered to the facepiece via the compressed air hose. The airline FCV is a waistbelt-mounted flow control valve for use with medium pressure compressed air. The host airline system must be capable of delivering a minimum of 190 l/min at 7.5bar and a maximum flow of 315 l/min at a 7.5bar.


ACCESSORIES

A special welding visor frame for the Promask can be mounted on the respirator 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 100mm). The Promask can be provided with a sparkguard for the exhalation valve or speech channel.

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


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TECHNICAL SPECIFICATIONS

012781	
	
Facepiece	Halo-butyl elastomer compound, including: Butyl IRR, EPDM & natural rubber (Procomp™)
Inner Mask	Silicone
Visor	Polycarbonate (PC) & optional PC HC (hard coated on both sides for additional scratch resistance)
Head Harness	Natural Rubber (NR)
Valve Discs	Silicone
Visor Frame	Polybutylene terphthalate PBTE (thermoplastic polyester) reinforced
Connector with exhalation channel body	Polyamide (PA), reinforced (glass fibre)
Inhalation channel body	Polyamide (PA)
Speech channel body	Polyamide (PA)
Speech diaphragm body	Polyamide (PA)
Speech channel cover	Polyamide (PA)
Inhalation valve seat (of inner mask)	Polypropylene (PP)
Buckles	Polyamide (PA)
Buckle Roller	Polyacetal (POM)
Valve seat of inhalation valve	Silicone
Filter thread connector	Polyamide (PA)
Exhalation channel cover	Polyurethane (PU)

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TECHNICAL SPECIFICATIONS

2017250	
	
Airflow	Minimum 180 l/min Maximum >300 l/min
Air Supply Pressure	7.5 bar
Maximum Working Pressure	10 bar
Warning Facility	Low flow whistle on regulator
Operating Temperature Range	+4°C to +50°C (if used below +4°C excessive moisture in the compressed air may cause freezing)
Maximum Length of Compressed Air Hose	60 metres

PROCOMP MATERIAL PROPERTIES (TEKNIKUM OY)

COMBINATION	
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 & tear	Good

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VISOR PROPERTIES

VISOR FEATURES	VISOR POLYCARBONATE (PC)	VISOR POLYCARBONATE HARD COATED
Impact Resistance	Excellent	Excellent
Scratch Resistance	Good	Excellent
Maximum Heat Resistance	140°C	140°C
Chemical Resistance (Hydrocarbons)	Average	Average

WEIGHT

Filter weight can vary.

COMBINATION	WEIGHT
Promask	600g
Regulator + Belt + Hose	700g

APPROVAL INFORMATION

The Scott Safety Promask Combi is certified to EN14594 in combination with the Scott Safety Airline FCV.

PROTECTION FACTORS

COMBINATION	REQUIRED MIN PROTECTION FACTOR AS/NZS 1715*	MAXIMUM GAS/VAPOUR CONCENTRATION PRESENT IN THE AIR IN PPM (VOLUME)
Promask Combi	100+	10,000 ppm

* Refer AS/NZS 1715: Selection use and maintenance of respiratory protective equipment.

Limitations: The product is not suitable for use in oxygen deficient atmospheres, confined spaces or atmospheres that are immediately Dangerous to Life or Health (IDLH).

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
012781	Promask Combi - Medium
2017250	Airline FCV Regulator
1051463	10m Black PVC Hose with CEN couplings
1051467	20m Black PVC Hose with CEN couplings
1051471	30m Black PVC Hose with CEN couplings
1051477	50m Black PVC Hose with CEN couplings

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MAINTENANCE/CLEANING

Maintenance: Use only original spare parts. After use, the respirator must be checked, cleaned and disinfected.

Replace damaged parts.

* when needed

COMPONENT	WORK TO BE DONE	INTERVALS			
		Before Use	After Use	Annually	Every 6yrs
Mask Complete	Cleaning		•	•	
	Disinfection		•	•	
	Test for function & leak-tightness	•	•*	•	
	Pre-use check done by the user	•			
	Replacement visor, head harness, buckles, inner mask & other parts		•*		
Valve discs	Check		•	•	
	Replace		•*	•	•
	Check tightness of exhalation valve disc		•	•	
Inhalation valve	Check valve seat		•	•	•
Speech Diaphragm	Check		•	•	
	Replace				•

Maintenance: Airline FCV Regulator. Replace worn or damaged parts as necessary. Perform a flow test check as per operating manual. Service and clean the headtop as described in the technical datasheet or operating manual.

Cleaning: Use a lukewarm water and mild detergent (neutral pH 6-8). Do not use solvents (like turpentine, acetone), hot water or bleaching agents (like Perborate, Percarbonate). After cleaning, disinfect the inside/faceseal with a disinfection solution eg, Distel.

STORAGE

The Promask Combi 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 respirator: -10°C...+50°C, and relative humidity (RH) under 75%.

Storage of airline FCV: +10°C...+30°C, at a humidity of less than 65% RH. The filter has a shelf life of 5 years.

DISPOSAL

As the respirator is subject to dirt, dusts and liquids etc, they cannot be recycled. If the product is to be disposed of, it should be dismantled and disposed of as solid waste. Please see local authority regulations for disposal advice and locations.