

TECHNICAL DATASHEET

PROMASK SINGLE FULL FACE RESPIRATOR



DESCRIPTION

The Scott Safety Promask Single is a multi-functional full face respirator suitable for use with negative pressure and powered air respirators. The respirator is also suitable for use with a compressed airline system.

The Promask full face single filter 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.

The Promask is available in two sizes: Medium general size and Small.

The Promask Single utilises the full range of Scott Safety Pro2000 filters.

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

| 012670 / 012681 | |
|---|--|
|  | |
| Facepiece | Halo-butyl elastomer compound, including: Butyl IRR, EPDM & natural rubber (Procomp™) |
| Inner Mask | Thermoplastic Elastomer (TPE) |
| Visor | Polycarbonate (PC) & optional PC HC (hard coated on both sides for scratch & solvent 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) |

WEIGHT

Filter weight can vary.

| COMBINATION | WEIGHT | WEIGHT WITH PF10 FILTER | WEIGHT WITH CF22 A2P3 | WEIGHT WITH CF32 A2B2E2K1P3 |
|-------------|--------|-------------------------|-----------------------|-----------------------------|
| Promask | 525g | 615g | 755g | 895g |

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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 |

VISOR PROPERTIES

| VISOR FEATURES | VISOR POLYCARBONATE (PC) | VISOR POLYAMIDE (PA) |
|------------------------------------|---------------------------------|-----------------------------|
| Impact Resistance | Excellent | Good |
| Scratch Resistance | Good | Excellent |
| Maximum Heat Resistance | 140°C | 140°C |
| Chemical Resistance (Hydrocarbons) | Average | Good |

APPROVAL INFORMATION

The Scott Safety Promask Single full face respirator is certified to AS/NZS 1716:2012.

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PROTECTION FACTORS

According to AS/NZS 1715

| COMBINATION | REQUIRED MIN PROTECTION FACTOR AS/NZS 1715* | MAXIMUM GAS/VAPOUR CONCENTRATION PRESENT IN THE AIR IN PPM (VOLUME) |
|--|---|---|
| Full Face Respirator with Particulate P3 Filter | Up to 100 | |
| Full Face Respirator with Proflow SC PAPR / Particle Filter P3 | 100+ | |
| Full Face Respirator with Proflow SC PAPR / Gas Filter Class 1 | Up to 10 | 1000 ppm |
| Full Face Respirator with Airline | 100+ | 5000 ppm |

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

FILTERS

The Scott Safety Pro2000 filters (40mm thread) for the Promask single filter full face respirator are also certified to AS/NZS 1716:2012.

ORDERING INFORMATION

| PART NUMBER | DESCRIPTION |
|-------------|---|
| 012670 | Promask Single Filter Full Face Respirator (Small) |
| 012681 | Promask Single Filter Full Face Respirator (Medium/Large) |

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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 | Annual | 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 | | | | • |

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, Trigene.

STORAGE

The Promask Single respirator 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 respirator and 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.

Storage and maintenance of a filter: The filters are sealed in plastic bags by the manufacturer. Store the filters unopened in a clean place at even temperature, most appropriate at 0...+30°C and relative humidity below 75%. Sealed filters tolerate also conditions of -10...+50°C and below 95% RH. The storage period (month and year) for filters is marked on the filter tape. Do not try to regenerate the filters. Never clean the filters with compressed air or compressed water. After use, the filters are special refuse. Make sure that they are disposed of according to the filtered substance (gases or particles) in accordance with current waste treatment regulations.

DISPOSAL

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