

PROPAK-SIGMA-VIS (V2) WITH VISION 3 FACEMASK AND STEEL CYLINDERS 45 Min**PROPAK-SIGMA-VIS (V2)**

2027157 - ProPak Sigma is a self-contained positive pressure breathing apparatus complete with PanaSeal positive pressure facemask in black Neoprene, the lightweight rigid backplate with a fully adjustable harness and adjustable webbing cylinder band. The backplate is manufactured from a lightweight composite material and includes a lumbar pad. The fully adjustable body harness is fabricated from a flame retardant Kevlar blend webbing.

Buckles and fittings are injections moulded from a corrosion resistant polyamide. The two-stage pneumatic system features a first breath activated positive pressure demand valve, a first stage pressure reducing valve with an integral 200/300 bar cylinder connector and a shoulder mounted pressure gauge with 55 bar whistle. Apparatus accepts the full range of Scott breathing apparatus cylinders from 4.7 to 9 liters capacity, 200 or 300 bar.*

Apparatus is CE Marked to EN137:2006 Type 2 and MED approved

VISION 3 FACEMASK

1071671 - Vision 3 PP LQF - Vision 3 positive pressure facemask featuring Torodial visor for improved vision. Silicone outer mask and TPE inner mask. Left-sided quick-fit connection for demand valve. Medium/Large, rubber head harness. CE marked to EN136

STEEL CYLINDERS

CYL-1800-RA - 9.0 liter, 200 bar, steel cylinder, CE specification, painted to BS specification, complete with cylinder valve fitted with safety locking handwheel. 1800 litre free air capacity providing the total duration of 45 minutes*.

Dimensions: 180mm diameter x 575mm long. Fully Charged Weight - 13.0kg

PROPAK-SIGMA

HIGH PERFORMANCE, RUGGED DEPENDABILITY, TRUSTED TECHNOLOGY



The ProPak-Sigma has been designed specifically for use as a compliance set in Marine or Industrial fire fighting environments.

The entire ProPak range has been approved to EN137:2006 Type 2, incorporating the stringent Full Flame Engulfment Test, and to the 9th amendment of the MED meaning that it has the latest approval for the Marine market.

PRODUCT HIGHLIGHTS

- EN137:2006 Type 2 MED Approved Breathing Apparatus
- Compliance set for Marine and Industrial firefighting environments
- Rigid backframe construction
- Easily removable pneumatics
- Simple to service and maintain

PROPAK-SIGMA

SELF CONTAINED BREATHING APPARATUS



MAJOR COMPONENTS

Compact positive pressure demand valve featuring servo-assisted, tilting diaphragm mechanism with low inspiratory resistance and responsive dynamic performance, automatic first breath actuation and hands free bypass facility

REDUCING VALVE

First stage pressure reducing valve featuring non-adjustable, spring loaded piston mechanism and outlet supply protected by pressure relief valve

HOSES

Stainless steel swivel hose fittings
 Medium pressure hose
 High pressure hose
 Medium working pressure 16 bar
 Minimum burst pressure 80 bar
 Maximum working pressure 450 bar
 Minimum burst pressure 800 bar

Product Specifications	
Weight	
Single Configuration (less cylinder)	2.6kg
Single Configuration and facemask (less cylinder)	3.2kg
Dimensions	
Length	630mm
Width	285mm
Depth (with a 6 litre 200 bar cylinder)	215mm

Ordering Information		
Part Number	Description	Application
ProPak-Sigma	EN137 Approved, Type 2	Marine / Industrial Fire Fighting

PRESSURE INDICATOR & WARNING WHISTLE

Bourdon tube type dial indicator
 Heat and Impact resistant polycarbonate lens

COMMUNICATIONS

The Sabrecom2 is a radio communication interface designed for use with Scott Safety's range of positive pressure full facemasks. Fully integrated and ready to use the Sabrecom 2 is approved to EN136 class 3, meeting the stringent flame and radiant heat test requirements.

OPTIONS

The Scott Safety ProPak-Sigma can be specified in many configurations including Duo, Split Demand Valve Coupling (SDC), Y Piece (Y2C) and attachments for Airline, which can be used for Rescue Second Man and Decontamination.



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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TECHNICAL DATASHEET

VISION 3 - POSITIVE PRESSURE FACEMASK FOR SCBA



DESCRIPTION

The Scott Vision 3 is offered in 4 different sizes and will accommodate a wide range of facial shapes and sizes. The facemasks are positive pressure and feature a Liquid Silicone Rubber outer mask with reflex seal and EDME ori-nasal inner mask. The facemask visor is multi curvature and made of a scratch and impact resistant polycarbonate material with a flame retardant coating and provides excellent panoramic vision. The visor is held in place by two U-shaped clamps. The mask allows the wearer to wear integrated spectacle frames, without compromising the facemask seal. The facemask is available with either a five-point fully adjustable neoprene strap style harness, a two-point adjustable polyester or Kevlar™ net style harnesses or a clamping system for the Gallet F1 Helmet.

The facemask features a left hand side bayonet connection for the demand valve. An option of an additional right quick-fit port is available to take a communications interface if required.

A speech diaphragm is mounted at the front of the mask to offer unimpeded speech transmission and will include a low resistance positive pressure exhalation valve that allows for normal breathing with no extra effort. The mask is designed with separate inspiratory and expiratory paths to minimise the risk of cross contamination of second stage regulators.

APPLICATIONS

The Vision 3 is specifically designed for use with the Scott range of breathing apparatus from the Professional Fire Fighting SCBA through to the Airline and escape breathing apparatus range. In conjunction with Scott breathing apparatus it is suitable for providing respiratory protection for an IDLH environment.

TECHNICAL DATASHEET

APPROVALS

CE marked in accordance with EN136 Class III

CE marked in accordance with EN137:2006 Class II when used in conjunction with Scott Propak

CE marked in accordance with EN139 when used with Scott airline equipment

AS1716/NZ

TECHNICAL SPECIFICATIONS

MATERIALS

Visor	Polycarbonate with silicone coating
Inhale Valve Flaps	Silicone rubber
Exhale valve flaps	Polyisoprene Rubber
Exhale valve housing	Polyamide
Exhale valve spring	Stainless Steel
Speech Diaphragm	Mylar (Polyester) film membrane in a moulded polyethylene grid with anodised aluminum coating
Visor Surround	Polyamide 6-6
Outer mask	Injection moulded liquid silicone
Front Cover	Glass filled polyamide
Demand Valve Port	Glass filled polyamide
Inner Mask	Thermoplastic elastomer
Screws	Stainless Steel
Nuts	Nickel plated brass
Buckles	Polyamide
Headharness	5 point Neoprene, net head harness in polyester or Kevlar material
Clamping System (optional)	Stainless steel brackets, plastic clamp mechanism
Packing specification	265x190x150m 0.75kg

MAINTENANCE/CLEANING/SERVICING

N.B. - Cleaning should only be carried out as specified in the user instructions. Maintenance and Servicing must only be performed by trained personnel following the procedures in the Service and Maintenance manual.

Cylinders

Over the years, compressed gas cylinders have been providing SCBA users with a supply of fresh air. The original cylinders were made of steel and quite heavy. Today, advances in technology have enabled cylinders to become much lighter and less burdensome to the SCBA wearer. Scott offers a complete assortment of cylinders, including the newest and lightest 5.5 cylinder, to meet the needs and demands of all SCBA users – aluminum cylinders for infrequently used SCBA to carbon-wrapped cylinders for daily use. In addition, Scott Safety offers cylinders in 30', 45', 60' and 75' durations.

ALUMINUM CYLINDERS

- + 2216 psig working pressure
- + Rated for 30-minute duration based on NIOSH breathing rates
- + Hydrostatic testing to be performed every five years
- + Unlimited life expectancy

CARBON CYLINDERS

- + Scott Safety's Carbon Cylinders are built to DOT and TC specifications
- + 2216, 3000, 4500 and new 5500 psig working pressures
- + Lightweight, composite cylinder consisting of an aluminum alloy inner shell with a total overwrap of carbon fiber, fiberglass and an epoxy resin
- + Rated for 30', 45', 60' and 75' (5.5 only) durations based on NIOSH breathing rates
- + 75' cylinder is ideal for RIT and extended duration operations
- + Hydrostatic testing to be performed every five years
- + 15-year life expectancy

ST7 TOUGH CYLINDERS

- + Scott Safety's ST7 Tough Cylinders are built to DOT and TC specifications
- + Built extremely tough and durable
- + Provides added protection
- + 4500 psig working pressure
- + Rated for 45' duration, on NIOSH breathing rate
- + Designed for demanding fire ground operations
- + Hydrostatic testing to be performed every five years
- + 15-year life expectancy



CARBON FIBRE CYLINDERS

	CYL-FWC-540	2.0 litre, 300 bar, carbon fibre fully wrapped aluminium composite cylinder, CE specification, cylinder design life 15, years complete with cylinder valve incorporating safety locking handwheel 540 litre free air capacity providing total duration of 13.5 minutes* For use with CEN-PAQ apparatus only. Dimensions: 105mm diameter x 460mm long. Fully Charged Weight - 2.6kg.
1046044	CYL-FWC-540	Full
1046049	CYL-FWC-540	Empty
	CYL-FWC-1300	4.7 litre, 300 bar, carbon fibre fully wrapped aluminium composite cylinder, CE specification, cylinder design life 15, years complete with cylinder valve incorporating safety locking handwheel 1300 litre free air capacity providing total duration of 32 minutes* Dimensions: 136mm diameter x 576mm long. Fully Charged Weight - 5.2kg.
1045978	CYL-FWC-1300	Full
2006638	CYL-FWC-1300	Empty
2018935	CYL-FWC-1300-RA	Full
2018934	CYL-FWC-1300-RA	Empty
	CYL-FWC-1800	9.0 litre, 207 bar, carbon fibre fully wrapped aluminium composite cylinder, CE specification, cylinder design life 15, years complete with cylinder valve incorporating safety locking handwheel 1800 litre free air capacity providing total duration of 45 minutes*. Dimensions: 172mm diameter x 630mm long. Fully Charged Weight - 6.8kg.
1046000	CYL-FWC-1800	Full
2006641	CYL-FWC-1800	Empty
2018939	CYL-FWC-1800-RA	Full
2018938	CYL-FWC-1800-RA	Empty
	CYL-FWC-1860	6.8 litre, 300 bar, carbon fibre fully wrapped aluminium composite cylinder, CE specification, cylinder design life 15, years complete with cylinder valve incorporating safety locking handwheel 1860 litre free air capacity providing total duration of 46 minutes*. Dimensions: 160mm diameter x 600mm long. Fully Charged Weight - 7.1kg
1046013	CYL-FWC-1860	Full
2006640	CYL-FWC-1860	Empty
2018943	CYL-FWC-1860-RA	Full
2018942	CYL-FWC-1860-RA	Empty
	CYL-FWC-2460	9.0 litre, 300 bar, carbon fibre fully wrapped aluminium composite cylinder, CE specification, cylinder design life 15, years complete with cylinder valve incorporating safety locking handwheel 2460 litre free air capacity providing total duration of 61 minutes*. Dimensions: 178mm diameter x 640mm long. Fully Charged Weight - 8.8kg.
1046030	CYL-FWC-2460	Full
2010162	CYL-FWC-2460	Empty
2018947	CYL-FWC-2460-RA	Full
2018946	CYL-FWC-2460-RA	Empty

BURST DISC AND PRESSURE GAUGE:

-BD	Burst disc fitted to cylinder valve For 200 bar cylinders, burst pressure 300 bar For 300 bar cylinders, burst pressure 450 bar
-BD-PG	Burst disc and pressure gauge fitted to cylinder valve (please note -RA valves can only be fitted with either a BD or a PG)
-EFV	Excess Flow Valve fitted to cylinder valve



CYL-600



CYL-820



CYL-1200



CYL-1640



CYL-1800



CYL-FWC-540



CYL-FWC-1300



CYL-FWC-1800



CYL-FWC-1860



CYL-FWC-2460

STEEL CYLINDERS

	CYL-600	3.0 litre, 200 bar, steel cylinder, CE specification, painted to BS specification, complete with cylinder valve fitted with safety locking handwheel. 600 litre free air capacity providing total duration of 15 minutes*. For use with CEN-PAQ apparatus only. Dimensions: 110mm diameter x 375mm long. Fully Charged Weight - 5kg
1045898	CYL-600	Full
2006633	CYL-600	Empty
	CYL-820	3.0 litre, 300 bar, steel cylinder, CE specification, painted to BS specification, complete with cylinder valve fitted with safety locking handwheel. 820 litre free air capacity providing total duration of 20 minutes*. For use with CEN-PAQ apparatus only. Dimensions: 110mm diameter x 385mm long. Fully Charged Weight - 5.75kg
1045920	CYL-820	Full
2006634	CYL-820	Empty
	CYL-1200	6.0 litre, 200 bar, steel cylinder, CE specification, painted to BS specification, complete with cylinder valve fitted with safety locking handwheel. 1200 litre free air capacity providing total duration of 30 minutes*. Dimensions: 140mm diameter x 600mm long. Fully Charged Weight - 8.8kg. For cylinder to be used with ACS/new ProPak please add suffix -RA
1045790	CYL-1200	Full
2006635	CYL-1200	Empty
2018923	CYL-1200-RA	Full
2018922	CYL-1200-RA	Empty
	CYL-1640	6.0 litre, 300 bar, steel cylinder, CE specification, painted to BS specification, complete with cylinder valve fitted with safety locking handwheel. 1640 litre free air capacity providing total duration of 41 minutes*. Dimensions: 140mm diameter x 610mm long. Fully Charged Weight - 10.5kg.
1045831	CYL-1640	Full
2006636	CYL-1640	Empty
2018927	CYL-1640-RA	Full
2018926	CYL-1640-RA	Empty
2019219	CYL-1640-Marine	Full (fitted with CV-6)
2019215	CYL-1640-Marine	Empty (Fitted with CV-6)
	CYL-1800	9.0 litre, 200 bar, steel cylinder, CE specification, painted to BS specification, complete with cylinder valve fitted with safety locking handwheel. 1800 litre free air capacity providing total duration of 45 minutes*. Dimensions: 180mm diameter x 575mm long. Fully Charged Weight - 13.0kg.
1045856	CYL-1800	Full
2006637	CYL-1800	Empty
2018931	CYL-1800-RA	Full
2018932	CYL-1800-RA	Empty

BURST DISC AND PRESSURE GAUGE:

-BD	Burst disc fitted to cylinder valve For 200 bar cylinders, burst pressure 300 bar For 300 bar cylinders, burst pressure 450 bar
-BD-PG	Burst disc and pressure gauge fitted to cylinder valve (please note -RA valves can only be fitted with either a BD or a PG)
-EFV	Excess Flow Valve fitted to cylinder valve