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

SCOTT SAFETY

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

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.

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

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.

TECHNICAL DATASHEET

PROPAK-SIGMA – SELF CONTAINED BREATHING APPARATUS

DESCRIPTION

The Scott Safety ProPak Sigma is aType 2 open circuit, self-contained, compressed air breathing apparatus. It consists of a back plate, unpadded carrying harness and pneumatic system, containing a cylinder connector, reducer, pressure gauge, whistle and demand valve.

The ProPak Sigma can be configured in a number of different ways with various size single cylinders. There are also a range of variants available including Airline (AC), Split Demand Valve Coupling (SDC) and Y Piece configurations (Y2C).

The ProPak Sigma is used in conjunction with a range of composite or steel cylinders and the choice of Vision 3, or Promask PP facemask.

APPLICATIONS

The ProPak Sigma is specifically designed as a Marine / Industrial Fire-fighting SCBA, but is also suitable for providing respiratory protection in any IDLH environment.

APPROVALS
CE marked in accordance with EN137:2006: Type 2
AS1716
MED (Shipswheel)

TECHNICAL DATASHEET

MATERIALS	
Pressure Reducing Valve	Nickel Plated Brass
Rust Tube (Cyls)	Brass
Reducing Valve Seat	Polyamide (Nylon)
O-Rings	Nitrile, Silicone, EPDM
Reducing Valve Springs	Stainless Steel
HP Pressure Gauge	Stainless Steel, Polycarbonate Lens
HP Pressure Gauge Cover	Neoprene
MP Air Supply Hose Fittings	Nickel Plated Brass
Facemask	Neoprene, Silicone or Procomp
Facemask Visor	Polycarbonate
MP Air Supply Hose	EPDM Cover, fabric braid reinforcement, EPDM liner
HP Air Hose	PTCFE liner, stainless steel braiding, Estane sleeve
Valve Handwheel	Glass filled Polyamide/ TPE
Harness	Kevlar Blend Webbing
Backplate	Glass & Carbon filled Nylon composite
Backpad	Flame retardant cross linked polyolefin closed cell foam covered in a Proban fabric
Cylinder Band	Kevlar blend webbing with Velcro
Strap Buckles	Glass filled polyamide
Cylinder	Steel or Composite
Cylinder Valve	Nickel Plated Brass
Demand Valve Casing	Glass filled Polyamide

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.

SCOTT SAFETY

TECHNICAL DATASHEET

TECHNICAL SPECIFICATIONS	
Tempest Demand Valve	
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. Components injection moulded from Polyamide and Acetyl with rubber seals and diaphragms.	
First breath activation	-20 to -30 mbar
Peak flow performance	In excess of 1000 litres/minute
Bypass flow	150 litres/minute nominal
Static positive pressure	1.0 – 4.0 mbar
Reducing Valve	
First stage pressure reducing valve featuring non-adjustable, spring loaded piston mechanism and outlet supply protected by pressure relief valve. Valve body and cap machined from nickel-plated brass with stainless steel spring and hose retainer Uclips.	
Outlet Pressure	
200 bar inlet	5.5 to 9.5 bar
300 bar inlet	6.0 to 11.0 bar
Pressure relief valve protected	Approx. 13.5 bar
Flow restrictor to gauge supply hose	<25 litres minute
Pressure Indicator & Warning Whistle	
Bourdon tube type dial indicator	
Heat and impact resistant Polycarbonate lens	
Safety blow-out vent in rear of gauge	
Accuracy	+/- 10 bar between 40-300 bar
Hoses	
Stainless Steel swivel hose fittings	
Medium Pressure Hose	
Maximum working pressure	16 bar
Minimum burst pressure	80 bar
High Pressure hose	
Maximum working pressure	450 bar
Minimum burst pressure	800 bar
Weight/ Dimensions	
Single configuration (less cylinder)	2.6kg
Single configuration & facemask (less cylinder)	3.2kg
Length	630mm
Width	285mm
Depth (with 6.0 litre 200 bar cylinder)	215mm

SCOTT SAFETY