



3M™ ProPak-Sigma T2 – Self Contained Breathing Apparatus

Description

The 3M™ Scott Safety ProPak-Sigma is a Type 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 Face mask.

Features

- Certified to AS/NZS 1716:2012 and EN137:2006 Type 2 MED
- Designed for use by the Fire Service or the Oil & Gas market
- the comfort of the padding means that it can also be worn in industrial applications where comfort is vital such as long duration usage
- Rigid backframe construction
- Easily removable pneumatics
- Simple to service and maintain

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.

Standards

CE marked in accordance with EN137:2006: Type 2
AS/NZS 1716:2012
MED (Shipswheel) revision 9th amendment



Suitable for use with Promask PP or Vision PP. Masks and cylinder purchased separately

Operation/Cleaning/Service/Training

Users need to be trained in the safe operation of this equipment. Routine checks must be carried out in accordance with the user instructions. Cleaning should also only be carried out as specified in the user instructions.

For training requirements please contact 3M Training Department on Phone: 1800 445 867 or Email: anzfallprotectiontraining@mmm.com

All servicing must be carried out by trained personnel who have been trained and are deemed competent by the manufacturer and hold a current 3M Scott Safety SCBA technician's certificate.

For Annual SCBA Servicing requirements please contact 3M Scott fire & Safety Service department on Phone: 131 772 or Email: scbaservice@mmm.com

Storage

The ProPak-Sigma must be stored in a clean dry environment away from direct heat and sunlight. Storage temperatures should not exceed -10°C to +40°C, with relative humidity (RH) under 75%.

Disposal

Decontaminated equipment should be dismantled and disposed of as solid waste. Empty cylinders should be treated as special waste and disposed of according to local and state guidelines. Please see local authority regulations for disposal advice and locations.

Specifications

Materials	
Pressure Reducing Valve	Nickel Plated Brass
Rust Tube	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
Face mask	Neoprene, Silicone or ProComp™
Face mask 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

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)	2.6 kg
Single configuration & Face mask (less cylinder)	3.2 kg
Length	630 mm
Width	285 mm
Depth (with 6.8 litre 300 Bar cylinder)	235 mm

Ordering Information

3M Code	Model#	Description
XP100141959	2027150	SCBA Promask SIGMA T2
AT010700105	1118245RAV	Cylinder 6.8L 300BAR Carbon Fibre RAV
AT010660218	1127413RAV	Cylinder 9L 300BAR Carbon Fibre RAV
AT010645821	2014810	SCBA Moulded Carry Case
XP100544202	013190	Promask PP Left Quick Fit Full Face Mask
XP100547379	013192	Promask PP REQF LQF
XP100149945	2032231	Promask PP LQF HC EPIC 3 M L Rubber Head Harness
XP100548815	2032232	Promask PP LQF HC EPIC 3 S Rubber Head Harness
XP100215068	5013166	Promask PP LQF RAS ML HC Std
XP100095122	2001703	Blank Plug REQF
XP100546108	012692	Rubber Head Harness (2)
XP100547270	012775	Webbing Head Harness Promask Suit M98
XP100071271	1071671	Vision 3 LQF Facemask Std Harness
XP100095239	2001746	Vision 3 LEQF RAS M L Full Face Mask RDIN
XP100106671	2008699	Vision 3 LQF REQF Facemask
XP100149911	2032227	Vision PP LQF HC EPIC 3 M L Rubber Head Harness
XP100149929	2032228	Vision PP LQF HC EPIC 3 S Rubber Head Harness
XP100065943	1033400	Vision 3 NET Head Harness
XP100095122	2001703	Blank Plug REQF

Important Notice

To the extent permitted by law, 3M shall not be liable for any loss or damage including any loss of business, loss of profits, or for any indirect, special, incidental or consequential loss or damage arising from reliance upon any information herein provided by 3M. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.



3M Australia Pty Ltd
Personal Safety Division
 Bldg A, 1 Rivett Road
 North Ryde NSW 2113
 TechAssist Helpline: 1800 024 464
 Customer Service: 1300 363 565
 Email: techassist@mmm.com
 Web: www.3M.com/au/ppesafety

3M New Zealand Ltd
Personal Safety Division
 94 Apollo Drive, Rosedale
 Auckland 0632
 TechAssist Helpline: 0800 364 357
 Customer Service: 0800 252 627
 Email: techassist@mmm.com
 Web: www.3M.com/nz/ppesafety

3M is a trademark of 3M Company.
 Please recycle. Printed in Australia.
 © 3M 2019. All rights reserved.
 AV011474200