

SPECIFICATIONS

ACSF - SELF CONTAINED BREATHING APPARATUS

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 (Cyls)	Glass filled Polyamide
Harness	Kevlar and Pyrogard blend webbing with FR Proban covered flame retardant foam. Reflective thread
Backplate	Polyamide composite
Backpad	Thermoformed cross linked polyolefin foam covered with flame retardant aramid viscose
Cylinder Band	Kevlar and Pyrogard blend webbing, Reflective thread
Strap Buckles	Glass filled polyamide/Stainless steel
Cylinder	Steel or Composite
Cylinder Valve	Nickel Plated Brass
Demand Valve Casing	Glass filled Polyamide
Airline Belt Manifold	MP hose as above with brass fittings
Plastic Mounting Mouldings	Glass Filled Polyamide

WEIGHT / DIMENSIONS

Single configuration (less cylinder)	3.08kg
Single configuration & facemask (less cylinder)	3.70kg
Duo configuration with manifold & Facemask (less cylinder)	4.22kg
Length	565mm
Width	260mm
Depth (with 6.8 litre 300 bar cylinder)	245mm

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APPROVALS

EN137 Type 2	Open circuit self contained compressed air breathing apparatus
EN136	Full facemasks for respiratory protective devices
AS1716	Australian approval for respiratory protective equipment

MAJOR COMPONENTS - ACS

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 with rubber seals and diaphragms.

Peak flow performance:-	in excess of 500 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 U-clips. Cylinder connector to EN144-1 threads for use with 200 and 300 bar cylinder

OUTLET PRESSURE

200 bar inlet:-	5.5 to 9.5 bar
300 bar inlet:-	6.0 to 11.0 bar
Pressure relief valve protected:-	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