

## SPECIFICATION SHEET

### 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
Adjustment Mechanism	Stainless Steel and glass filled polyamide
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

Single configuration (less cylinder)	3.10 kg
Single configuration & Facemask (less cylinder)	3.72 kg
Duo configuration with manifold & Facemask (less cyls)	4.24 kg

### Dimensions

Length	565 - extendable to 610mm
Width	260 mm
Depth (with 6.8 litre 300 bar Cylinder)	245 mm

### Packing Specification

Single	59x30x21 cm	4.10 kg
Duo	59x30x21 cm	4.20 kg

## Approvals

EN137 Class II	Open circuit self contained compressed air breathing apparatus
EN136	Full facemasks for respiratory protective devices
AS1716	Australian approval for respiratory protective equipment
MED	Marine Equipment Directive (Shipswheel)

## 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

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