

# CEN-PAQ Specification Sheet

## Materials

|                              |  |
|------------------------------|--|
| Pressure Reducing Valve      | Nickel Plated Brass  |
| Rust Tube (Sabre 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 or Silicone   |
| Facemask visor               | Polycarbonate  |
| MP Air Supply Hose           | Chlorinated Polyethylene, fabric braid reinforcement,<br>nitrile liner |
| HP Air Hose                  | PTCFE liner, stainless steel braiding, Estane sleeve                   |
| Valve Handwheel (Sabre Cyls) | Glass filled polyamide   |
| Harness                      | PVC coated Nylon, Closed cell polyethylene, polyester<br>material      |
| Strap Buckles                | Velcro and polyamide   |
| Cylinder                     | Steel or Composite   |
| Cylinder Valve (Sabre cyls)  | Nickel Plated Brass  |
| Demand Valve Casing          | Glass filled polyacetal and polyamide                                  |
| Jacket                       | Flame retardent PVC  |

## Weight

|                          |       |
|--------------------------|-------|
| Cen-Paq                  | 2.8kg |
| Cen-Paq-15 with cylinder | 7.5kg |
| Cen-Paq-20 with cylinder | 8.5kg |
| Cen-Paq-30 with cylinder | 8.0kg |

## Packing Specification

|            |          |        |
|------------|----------|--------|
| Cen-Paq-15 | 69x41x28 | 11.5kg |
| Cen-Paq-20 | 69x41x28 | 12.0kg |
| Cen-Paq-30 | 69x41x28 | 13.0kg |

## Approvals

|        |  |
|--------|--|
| EN137  | Open circuit self contained compressed air breathing apparatus |
| EN139  | Open circuit airline compressed air breathing apparatus        |
| EN136  | Full facemasks for respiratory protective devices              |
| AS1716 | Australian approval for respiratory protective equipment       |

## Major Components - CEN-PAQ

### 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 acetal with rubber seals and diaphragms.

Peak flow performance:- in excess of 500 litres/minute  
Bypass flow :- 150 litres/minute nominal  
Static positive pressure:- 1.8 - 3.5 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.

Outlet pressure

207 bar inlet:- 5.5 to 9.5 bar

300 bar inlet:- 6.0 to 11.0 bar

Pressure relief valve protected:- 11.5 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