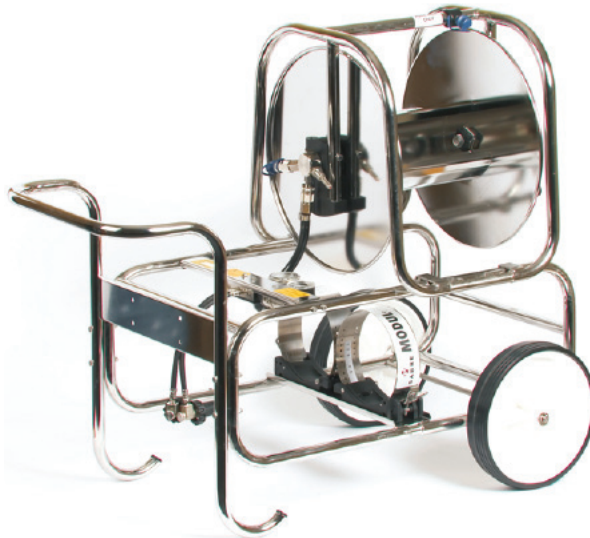


# TECHNICAL DATASHEET

## MODULAIR - AIRLINE TROLLEY SYSTEM



### **DESCRIPTION**

The Sabre Modulair is a compact, easy to use airline trolley system designed to provide portable clean air in restricted access areas.

Versatile and robust, it consists of a lightweight stainless steel hose reel unit and cylinder frame that can be used independently or together. The frame is designed to carry a pair of cylinders and, where required, an additional frame can be vertically stacked to allow connection of up to four cylinders. This, in conjunction with proven 300 bar high performance pneumatics delivering up to 1000 litres of breathing air per minute, permits four people to work at the same time.

Long duration operation is made simple through adjustable cylinder bands and high pressure cylinder connectors to accommodate a variety of cylinder sizes at both 200 and 300 bar. Non-return bleed valves fitted to the cylinder connectors enable cylinders to be replaced independently for continuous operation.

### **APPLICATIONS**

The Modulair is suitable for use in situations where clean air cannot be guaranteed or portability is essential.

### **APPROVALS**

CE marked to EN139

# TECHNICAL DATASHEET

## MATERIALS

Frame	Stainless Steel
Hose Reel Drum	Stainless Steel
Wheels	Polypropolene
CEN Couplings Male	Stainless Steel
CEN Couplings Female	Nickel Plated Brass with Stainless Steel Locking Balls
Manifold	Nickle Plated Brass
Pressure Reducing Valve	Nickle Plated 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
MP Air Supply Hose	PVC
HP Air Hose	PTCFE liner, stainless steel braiding, Estane sleeve
Valve Handwheel	Glass Filled Polyamide
Cylinder Band	Stainless Steel
Cylinder	Steel or Composite
Cylinder Valve	Nickle Plated Brass
Rust Tube	Brass
Valve Handwheel	Glass Filled Polyamide
Airline Hose Standard	PVC
Airline Hose AntiStatic	Nitrile Butyl Rubber

## 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.

# TECHNICAL DATASHEET

## TECHNICAL SPECIFICATIONS

### 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

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