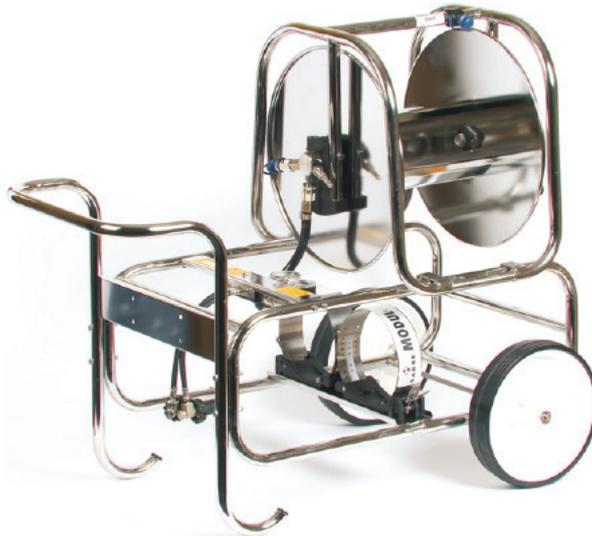


TECHNICAL DATASHEET

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

Packing Specifications

10 minute bag version 56x21x18cm 6.0kg

15 minute bag version 56x21x18cm 6.5kg

Weights/Dimensions

10 Minute Bag Version

Weight 4.5kg

Length 450mm

Width 210mm

Depth 210mm

15 Minute Bag Version

Weight 5.6kg

Length 450mm

Width 210mm

Depth 210mm