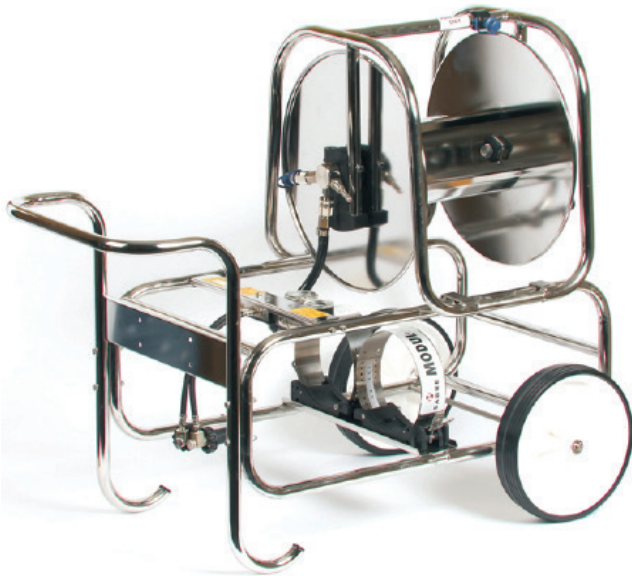




# 3M™ Scott™ Modulair – Airline Trolley System

Datasheet



## Description

The 3M™ Scott™ Modulair is a compact, easy to use airline trolley system designed to provide portable clean air in many areas including those with restricted access.

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 two or four cylinders and, where required, an additional frame can be added to allow connection of up to four cylinders. This, in conjunction with 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.

Certain variants can also be configured to use external air sources (factory system compressor).

## Applications

The 3M™ Scott™ Modulair Trolley System is suitable for use in situations where clean air cannot be guaranteed or portability is essential.

## Maintenance/cleaning/servicing

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.

# Specification

## Approvals

Approved for use with EN 14593-1:2005 equipment (contact 3M for list )

## Materials

Frame	Stainless steel
Hose reel drum	Stainless steel
Wheels	Polypropolene
CEN couplings male	Stainless steel
CEN couplings female	Nickle 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	Nickle 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 anti-static	Nitrile butyl rubber

## 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	
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 and 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

## Weight/dimensions

Base	Height: 570mm Width: 530mm Length: 810mm
Including hose reel	Height: 820mm Width: 530mm Length: 810mm
Weight	Varies with each set up and hose length, from 15kg



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