

S632 High Flow Automatic Change-over Manifold System

The S632 range of manifolds is an industrial gas supply system for installations requiring uninterrupted high flows of gas at constant pressure.

The manifold consists of two banks of cylinders, one on each side of the pressure control assembly. The position of the selector knob determines which bank of cylinders is "in use" and which is "in reserve". The manifold draws gas from the "in use" cylinder bank until it is emptied, the manifold then automatically starts drawing gas from the "in reserve" cylinder bank.

Because of the large number of options and operating requirements for manifold systems, the information provided here should be used as a guide only. Please contact Gascon Systems to confirm your selection details.



S632 Features:

- Easy to use bank selection knob
- Inlet gauges indicating supply in gas cylinder pressures at all times
- High pressure isolation valve on each supply bank
- Pipeline pressure gauge
- Outlet connection on both RHS and LHS
- Pressure relief valve on primary regulators
- Modular inlet header system for expansion of cylinder banks

Specifications:

Max Inlet Pressure: 20,000 kPa @ 15°C

Max Outlet Pressure: 1,200 kPa

Inlet Ports: 3/8" BSP RH for non-fuel gases
3/8" BSP LH for fuel gases

Outlet Port: 1/2" NPT Female

Weight: 10.0 kg

Materials:

Body: Brass

Seats: PCTFE, (regulators)
Nylon (isolation valve, monel for oxygen)

Control Knobs: Flame retardant Nylon, (isolation valves)
Aluminium, (regulators)

Mounting Bracket: Stainless steel

ORDERING INFORMATION: S632 - XXX - XXX - XXX - XX

Manifold Model	Outlet Pressure	Working Gas	No. of Cylinders	Options
S632 Standard Manifold	Required Outlet Pressure in kPa	ACET (Acetylene) AIR (Air) AR (Argon/Argoshield) CO2 (Carbon Dioxide) FUEL (Flammable) HE (Helium) H2 (Hydrogen) INERT (Non-flammable) N2 (Nitrogen) N2O (Nitrous Oxide) OXY (Oxygen) OTHERS by Symbol	1x1 (1 cylinder by 1 cylinder) 2x2 (2 cylinders by 2 cylinders) 3x3 (3 cylinders by 3 cylinders) 4x4 (4 cylinders by 4 cylinders) 5x5 (5 cylinders by 5 cylinders) 6x6 (6 cylinders by 6 cylinders) 1Px1P (1 pack by 1 pack) 2Px2P (2 packs by 2 packs)	02 Pressure switch line failure 04 Inlet purge valves 05 Inlet alarm contact gauges 08 Line pressure relief valve 09 Flashback arrestor 11 Auxiliary inlet supply 12 Emergency shut-off solenoid valve 14 Simple alarm panel 15 Cylinder Restraints 16 Gas Heaters

Ordering examples

S632-300-AIR-2x2-02

High flow Auto Change-over manifold, set to 300 kPa, for Air, for 2 cylinders on each side (4 in total), and a line failure pressure switch