

G0496 High Outlet Pressure Automatic Change-over Manifold (STST)

The G0496 range of auto change-over manifolds are for installations requiring uninterrupted flows of gas at a constant high outlet pressure. The manifold is constructed from stainless steel and is designed for use with non-corrosive gases. They are suitable for both industrial and high purity gas (up to grade 5.5) applications.

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 reaches the change-over point. The manifold then automatically starts drawing gas from the “in-reserve” cylinder bank. When the emptied cylinder has been replaced the selector knob should be rotated to select the other side to reset the manifold. More detailed operating instructions are included with each manifold.

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.

Specifications:

Max. Inlet Pressure: 20,000 kPa @ 15° C
(31,500 kPa optional)

Outlet Pressure: up to 15,000 kPa
(up to 21,000 kPa for 315 Bar inlet option)

Gauges: 50mm stainless steel

Inlet Connections: 1/4" NPT Male (or as requested)

Outlet Connection: 1/4" NPT Female

Weight: 12 kg

Basic Dimensions: 300mm x 260mm x 210mm

Materials:

Regulator Bodies: 316L Stainless steel

Regulator Bonnets: 304 Stainless steel

Selector Knob: 304 Stainless steel

Seats: PCTFE

Inlet Filters: 63 micron cupro nickel

Panel: Stainless steel

Low Pressure Piping: Stainless steel



- Easy to use large change-over selection knob
- Adjustable outlet pressure control knob
- Outlet isolation diaphragm valve
- Stainless steel mounting panel
- Optional inlet purge valves
- Optional inlet contact alarm pressure gauges

Applications:

- Pressure test systems
- Experiment process equipment

ORDERING INFORMATION: XXXX - XXXX - XXX - XxX - XX

Manifold Model	Outlet Pressure (kPa)	Working Gas	No. of Cylinders	Options
G0496 Stainless Steel (200 Bar inlet pressure)	user defined in kPa	AIR Air	1x1 (1 cylinder per bank)	04 – Inlet purge valves 05 – Inlet contact gauges
G0496EHP Stainless Steel (315 Bar inlet pressure)		AR Argon/Argoshield	1Px1P (1 manpack per bank)	
		CO2 Carbon Dioxide	2x2 (1 cylinder per bank)	
		HE Helium	3x3 (1 cylinder per bank)	
		H2 Hydrogen	4x4 (1 cylinder per bank)	
		N2 Nitrogen		
		OXY Oxygen		
		Others by Description		

Ordering examples

G0496-5000-N2 1x1 04 Auto manifold, stainless steel construction, 200 Bar inlet pressure, 5000 kPa outlet pressure, inlet purge valves 1 cylinder on each supply bank