

# G0495 High Outlet Pressure Automatic Change-over Manifold (Brass)

The G0495 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 chrome plated brass 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:** 63mm chrome plated brass
- Inlet Connections:** 3/8” BSP RH for non-fuel gases  
3/8” BSP LH for fuel gases
- Outlet Connection:** 1/4” NPT Female
- Weight:** 11 kg
- Basic Dimensions:** 300mm x 260mm x 210mm

## Materials:

- Regulator Bodies:** Chrome plated brass
- Regulator Bonnets:** Chrome plated brass
- Selector Knob:** Anodised aluminium
- Seats:** PCTFE
- Inlet Filters:** 63 micron cupro nickel
- Panel:** Stainless steel
- Low Pressure Piping:** Stainless steel/chrome plated brass



- Easy to use large change-over selection knob
- Large inlet and line pressure gauges
- 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
<b>G0495</b> Chrome Plated Brass (200 Bar inlet pressure)	user defined in kPa	<b>AIR</b> Air	1x1 (1 cylinder per bank)	<b>04</b> – Inlet purge valves <b>05</b> – Inlet contact gauges
<b>G0495EHP</b> Chrome Plated Brass (315 Bar inlet pressure)		<b>AR</b> Argon/Argoshield	1Px1P (1 manpack per bank)	
		<b>CO2</b> Carbon Dioxide	2x2 (1 cylinder per bank)	
		<b>HE</b> Helium	3x3 (1 cylinder per bank)	
		<b>H2</b> Hydrogen	4x4 (1 cylinder per bank)	
		<b>N2</b> Nitrogen		
		<b>OXY</b> Oxygen		
		<b>Others by Description</b>		

## Ordering examples

G0495-5000-N2 2x2 05 Auto manifold, chrome plated brass construction, 200 Bar inlet pressure, 5000 kPa outlet pressure, inlet contact alarm gauges, 2 cylinders on each supply bank