

# SINGLE-STAGE LINE REGULATORS

The Gascon Systems single stage line regulators are manufactured from plated brass bar stock and are recommended for use in inert and non-corrosive gas applications. They are ideally suited for applications where an upstream manifold or regulator is supplying a pipeline system and the line regulator is used to control the final pressure supply to a specific application/process.

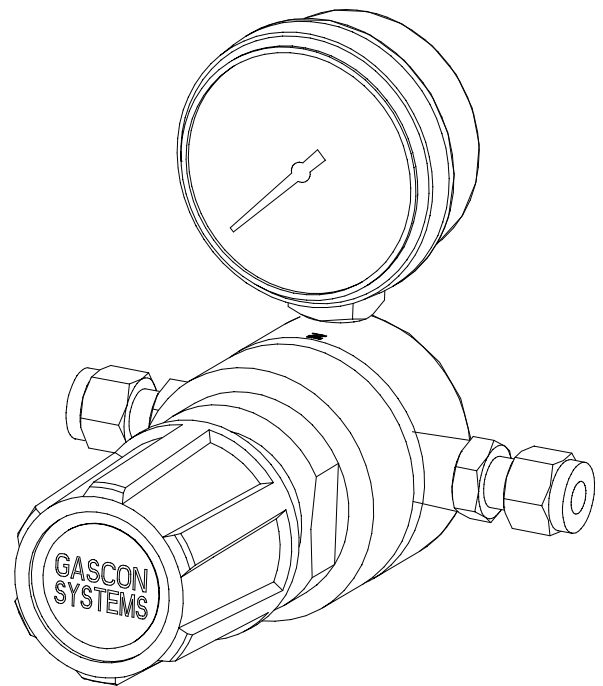
The standard regulators have the inlet port on the RHS and the outlet port on the LHS (when view from the front). These can be reversed on request. A selection of diaphragm materials are available to ensure compatibility of the gas and the type of application the regulator is required for, (ie. industrial, laboratory of high purity applications).

## FEATURES

- Selection of diaphragm materials to suit specific applications.
- 50mm dual scale (kPa & psig) bulkhead design pressure gauge.
- Encapsulated seat assembly with built-in filter.
- Bar stock body
- Pressure relief valve option
- Maximum outlet pressure adjusting stop
- Panel mount bonnet option
- Wall mount bracket option
- Australian made

## MATERIALS OF CONSTRUCTION

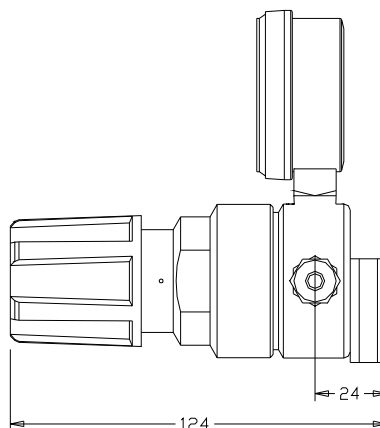
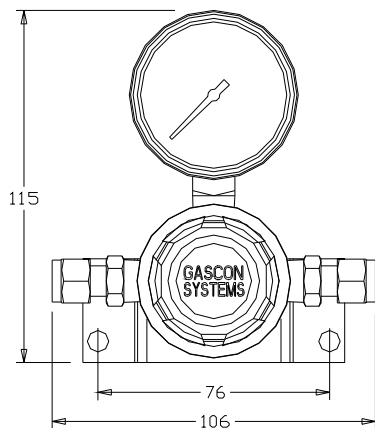
Body	Nickel Plated Brass
Bonnet	Chrome Plated Brass
Diaphragm	choice of: 316L STST, Neoprene Teflon coated Neoprene or EDPM
Relief Valve	Brass (optional)
Seat	PCTFE (Kel-F)
Filter	Cupro Nickel
Adjusting Knob	Flame Resistant Nylon
Mount Bracket	304 Stainless Steel



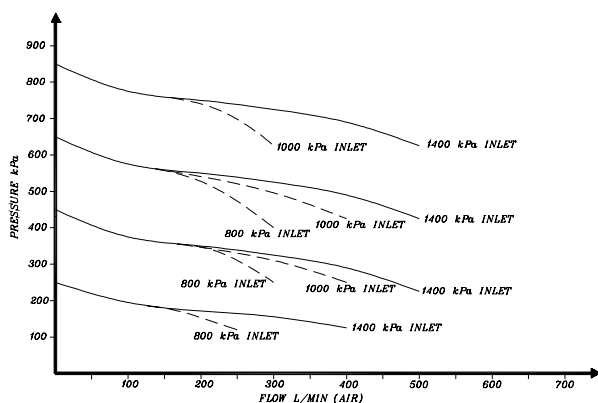
## SPECIFICATIONS

Maximum Inlet Pressure	20,000 kPa (200 Bar) @ 15°C
Outlet Pressure Ranges	0 – 3000 kPa
Inlet & Outlet Ports	¼" NPT female as standard (specific fittings on request)
Temperature Operating Range	0-60° C
Weight	1.2 kg

## BASIC DIMENSIONS



## FLOW PERFORMANCE



## ORDERING INFORMATION

XX	-	X	-	X	-	X	-	XX	-	XX	-	XX			
MODEL		PORTS		INLET		PRESSURE ADJUSTMENT		OUTLET PRESSURE		OPTIONAL FITTINGS		OPTIONS		GAS	
R	Standard	2	V	Vertical	A	Adjustable		Outlet		G	Outlet Gauge	WM	Wall Mount Bracket	AIR	Air
PR	Laboratory (Teflon Lined Diaphragm)	3	S	Side	P	Preset		Pressure In kPa		GG	Inlet & Outlet Gauge			CO <sub>2</sub>	Carbon Dioxide
		4	R	Rear						P	Pressure Relief Valve	PM	Panel Mount Bonnet	He	Helium
HR	High Purity (316L STST Diaphragm)	5								GP	Outlet Gauge & Pressure Relief Valve			H <sub>2</sub>	Hydrogen
										GGP	Inlet & Outlet Gauge & Pressure Relief Valve			LPG	Propane
														N <sub>2</sub> O	Nitrous Oxide
														N <sub>2</sub>	Nitrogen
														OXY	Oxygen
														OTHER GASES	
															by name or symbol

## ORDER EXAMPLES

R-3-S-P-150-G-WM-CO<sub>2</sub> Standard regulator, side inlet, preset outlet pressure of 150kPa, outlet gauge, wall mount bracket, for carbon dioxide  
 HR-3-S-A-400-GP-WM-He High purity regulator, side inlet, adjustable outlet pressure to 400kPa, outlet gauge and pressure relief valve, wall mount bracket, for helium

**GASCON**  
SYSTEMS

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