

591 SERIES

High Pressure Piston Regulators

Gas Welding & Cutting Apparatus

591 Series High Pressure Piston Regulators

Model 591 Series High Pressure Piston Regulators feature a reliable piston design for precise gas control at high inlet and delivery pressures rating up to 4500 psi. Like all GENTEC® quality products, the 591 Series provides superior performance and safety features.



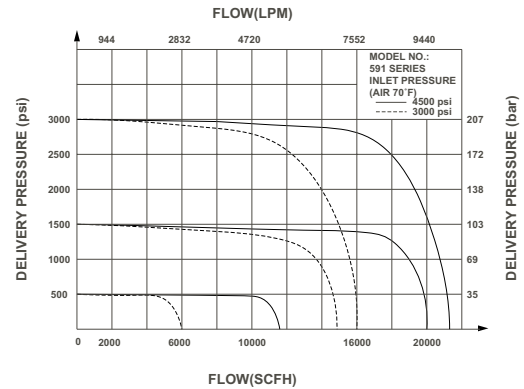
Pressure gauges come standard with dual scale psi/kPa units of measure. Alternatively psi/bar can be ordered.

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Features

- Piston-type construction
- Body and housing cap are machined from class "A" brass
- Delrin-cap bushing for smooth adjustments
- Sintered bronze inlet filter
- 1/4" Stainless steel Compression-Tube Fitting (GENLOK™) Outlet
- 2-1/2" gauges
- Weight: 4 lbs (1.81 kg)
- Conforms to CGA E-4 standard for gas pressure regulators

Flow Chart



Model Number	Gas Service	Maximum Inlet Pressure	Maximum Delivery Pressure	Inlet Gauge	Outlet Gauge	Inlet Connection*	Outlet Connection
591X-750	OXYGEN	3000 psi (207 bar)	50~750 psi (3.5~52 bar)	2-1/2", 4000 psi (280 bar)	2-1/2", 1000 psi (70 bar)	BS3, G 5/8"-RH(M)	1/4" SS COMP. TUBE FITTING
591X-1500			100~1500 psi (7~103 bar)		2-1/2", 2000 psi (140 bar)		
591X-3000			200~3000 psi (14~207 bar)		2-1/2", 4000 psi (280 bar)		
591IN-750	INERT GAS (Ar, He, N ₂)	3000 psi (207 bar)	50~750 psi (3.5~52 bar)	2-1/2", 4000 psi (280 bar)	2-1/2", 1000 psi (70 bar)	BS3, G 5/8"-RH(M)	1/4" SS COMP. TUBE FITTING
591IN-1500			100~1500 psi (7~103 bar)		2-1/2", 2000 psi (140 bar)		
591IN-3000			200~3000 psi (14~207 bar)		2-1/2", 4000 psi (280 bar)		
591Q-1500	AIR	5500 psi (380 bar)	100~1500 psi (7~104 bar)	2-1/2", 6000 psi (420 bar)	2-1/2", 2000 psi (140 bar)	BS3, 5/8"-RH(M)	1/4" SS COMP. TUBE FITTING
591Q-3000			200~3000 psi (14~207 bar)		2-1/2", 4000 psi (280 bar)		
591Q-5500			300~4500 psi (21~310 bar)		2-1/2", 6000 psi (420 bar)		
591H-750	HYDROGEN METHANE	3000 psi (207 bar)	50~750 psi (3.5~52 bar)	2-1/2", 4000 psi (280 bar)	2-1/2", 1000 psi (70 bar)	BS4, G 5/8"-LH(M)	1/4" SS COMP. TUBE FITTING
591H-1500			100~1500 psi (7~103 bar)		2-1/2", 2000 psi (140 bar)		
591H-3000			200~3000 psi (14~207 bar)		2-1/2", 4000 psi (280 bar)		

*Inlet connection and outlet connections can be fitted according to country specific standards. Please confirm when ordering.

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM