

■ P3400 SERIES SEMI-AUTOMATIC SPECIALTY GAS CONTROL PANEL

P3400 Series Specialty Gas Control Panel is a dual bank semi-automatic changeover system, providing a continuous gas supply without interrupting the system during cylinder(s) replacement. When the primary bank is nearly depleted, a changeover will occur, in which the reserve bank will begin to supply gas to the system. The inlet valve on each bank provides the user additional safety while replacing the cylinder(s) on the empty bank before the next changeover occurs. Available in both stainless steel and brass.



P3400 Series

FEATURES

- ▶ Dual-bank gas supply and semi-automatic changeover
- ▶ 2" stainless steel pressure gauges
- ▶ All the components are mounted on a single panel for easy maintenance
- ▶ Inlet valve(s) for changing cylinder(s) included. Outlet and Vent valves are optional
- ▶ Diaphragm valves include an easy-read status window (open/close)
- ▶ Diaphragm valve connections are orbital welded to minimize contamination and leakage

Note: Stainless steel models only

SPECIFICATIONS

- ▶ Maximum inlet pressure: 4500 psi
- ▶ Maximum outlet pressure: 50/100/150/250 psi
- ▶ Operating temperature range: -40 °C to 74 °C or -40 °F to 165 °F
- ▶ Leak rate: 2×10^{-8} atm.cc/sec He
- ▶ Cv: 0.14

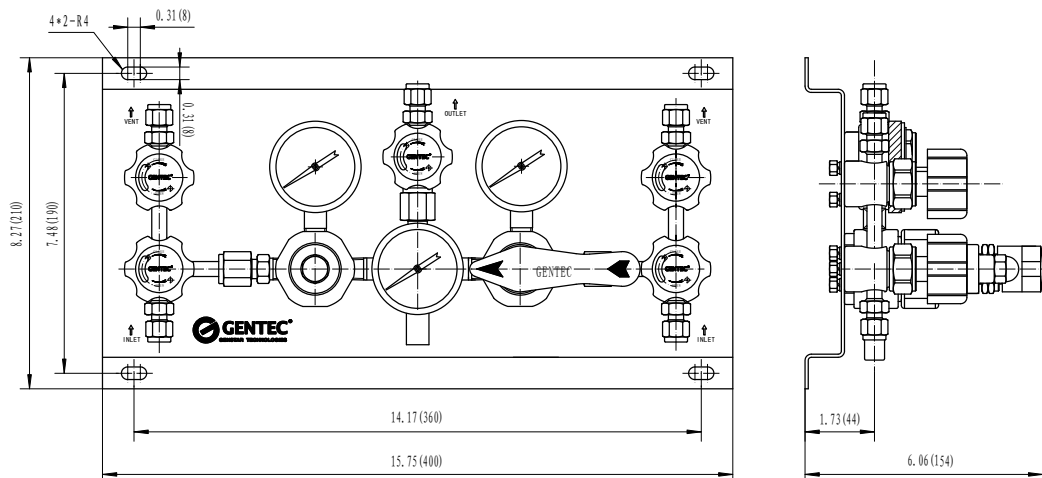
MATERIALS OF CONSTRUCTION

- ▶ Regulator and valve body: Brass or Stainless Steel
- ▶ Regulator seat*: PTFE, PCTFE
- ▶ Panel: Stainless Steel
- ▶ Panel inlet connections: 1/4" Genlok, 1/4" FSR, 1/2" FSR
- ▶ Panel outlet connections: 1/4" Genlok, 1/4" FSR

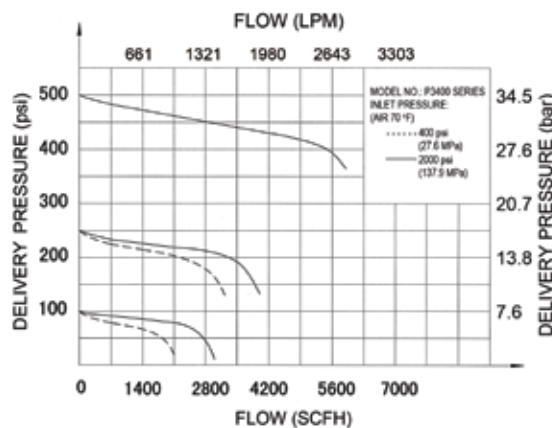
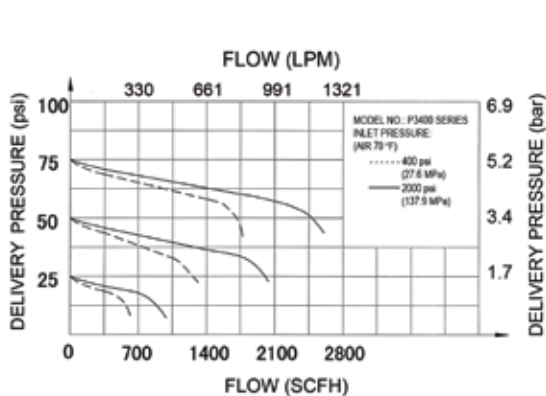
* In the event that the selected material of regulator seat is inappropriate for its applications, Gentec shall reserve the right to appoint an alternative seat material.

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DIMENSIONS



FLOW DATA



ORDERING INFORMATION

P34	1	1	S	T -	C	H	P		- N2
Series	Valve Configuration	Inlet Connections	Regulator Body	Seat	Max. Inlet Pressure	Max. Outlet Pressure	Gauge	Options	Gas Service Label
P34: Semi-automatic	1: Inlet/outlet/vent 2: Inlet/vent 3: Inlet/outlet 4: Inlet only	1: 1/4" Genlok (Vertical) 2: 1/4" FSR (Vertical) 3: 1/2" FSR (Straight)	S: Stainless steel B: Brass	T: PTFE K: PCTFE	C: 4500 psi D: 3000 psi X: 2200 psi F: 500 psi	L: 25 psi K: 50 psi I: 100 psi H: 150 psi G: 250 psi	P: psi / bar K: psi / kPa	Blank: Standard V: Waste gas disposal	Blank: None AIR: Air HE: Helium O ₂ : Oxygen C ₂ H ₂ : Acetylene H ₂ : Hydrogen CH ₄ : Methane CO ₂ : Carbon Dioxide Ar: Argon N ₂ : Nitrogen