

5200 SERIES

Single-Bank Manifold Systems

Manifold Systems

5200 series Single-bank manifold system is designed for a single source of gas supply from one cylinder bank. Although this system can be used as a main delivery system, it is typically used in industrial and medical applications as a high pressure emergency back-up system for liquid vessel or bulk systems.



Features

- Open-style manifold
- System can be designed for right or left bank
- Silver brazing on piping joints for maximum leak prevention
- System is designed to accommodate future expansion needs
- System is mounted with gas filters
- Pressure switch port is available
- Headers have been tested to withstand high cylinder pressure
- Wall or floor mount available

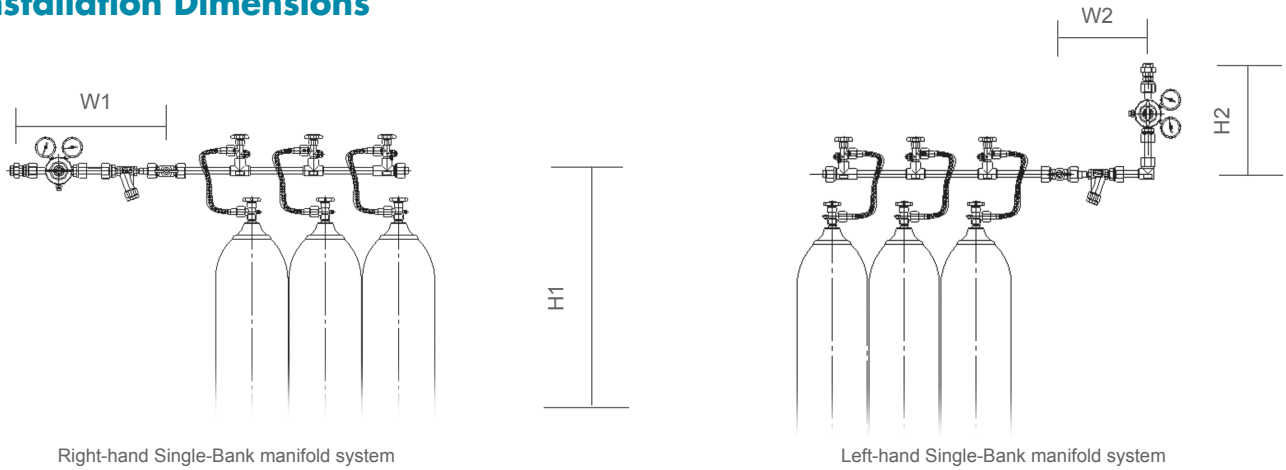
Standard Construction

- 24" flexible high pressure stainless steel braided pigtails* with check valve, Rigid copper pigtails are standard when gas service is oxygen. Pigtails for acetylene models are equipped with dry flashback arrestor.
- Gentec's high flow regulator series 155M-A.
- Carbon Dioxide manifold systems are provided with 155CG electric heating regulator.
- Siphon cylinder should not be used in the manifold system.

Specifications

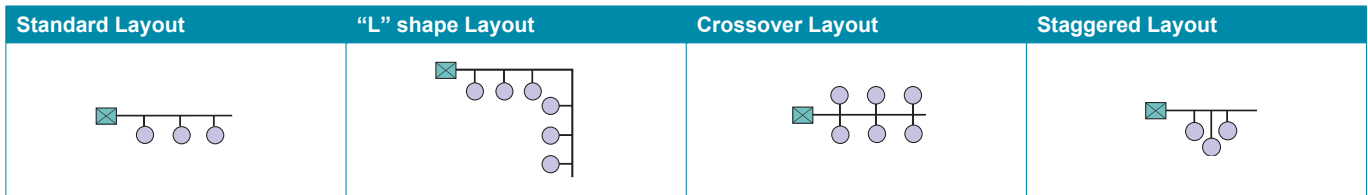
Series	Gas Service	Max. Inlet Pressure psi (bar)	Delivery Pressure psi (bar)	Max. Delivery Flow SCFH (m ³ /h)	Outlet Connection	Pigtail Specifications
5200X	Oxygen	3000 (207)	10~200 (0.7~14)	3500 (100)	3/4" NPT (M)	Pigtail, CGA540
5200C	Carbon Dioxide	3000 (207)	5~125 (0.35~8.6)	2100 (60)	3/4" NPT (M)	Pigtail, CGA320
5200IN	Argon, Nitrogen, Helium	3000 (207)	10~200 (0.7~14)	3500 (100)	3/4" NPT (M)	Pigtail, CGA580
5200Q	Air	3000 (207)	10~200 (0.7~14)	3500 (100)	3/4" NPT (M)	Pigtail, CGA590
5200H	Hydrogen	3000 (207)	10~200 (0.7~14)	10500 (300)	3/4" NPT (M)	Pigtail, CGA350

Installation Dimensions



Gas Service	W1 in.(mm)	H1 in.(mm)	W2 in.(mm)	H2 in.(mm)
Oxygen, Air, Argon, Nitrogen	21.0 (534)	55.2 (1400)	12.3 (313)	14.6 (372)
Carbon Dioxide	27.5 (698)	55.2 (1400)	18.8 (477)	14.6 (372)

Manifold System Layouts



Ordering Information

52	1	2	X	- 3	R	- 1
Series	Manifold System Layout	Cylinder Valve Spacing	Gas Service	Number of Cylinders	Direction of Manifold Piping	Type of Mounting
Single-bank manifold system	1: Standard layout 2: "L" Shape layout 3: N/A 4: Crossover layout 5: Staggered layout	1: 5" (127 mm) 2: 10" (254 mm) 3: 13" (330 mm) 4: 18" (457 mm)	X: Oxygen C: Carbon dioxide IN: Ar, He, N ₂ Q: Air H: Hydrogen	1: One cylinder 2: Two cylinders 3: Three cylinders ...	L: left R: right <i>Note: Direction of piping (Right or Left) is indicated by facing the manifold.</i>	1: Wall mount 2: Floor mount

Example: 5212X-3R-1 indicates a 3 cylinder right-hand Single-bank oxygen manifold system.
Distance between each cylinder is 10" on standard horizontal layout.