

5300 SERIES

Dual-Bank Manifold Systems

Manifold Systems

5300 series dual-bank manifold system consists of a main gas delivery bank and a reserve bank of cylinders. When the primary cylinder bank is depleted, manually “turn off” the valve on the primary bank and open the valve on the reserve bank to reactivate gas flow. The changeover of this system needs to be operated manually.



Features

- Open-style manifold
- 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

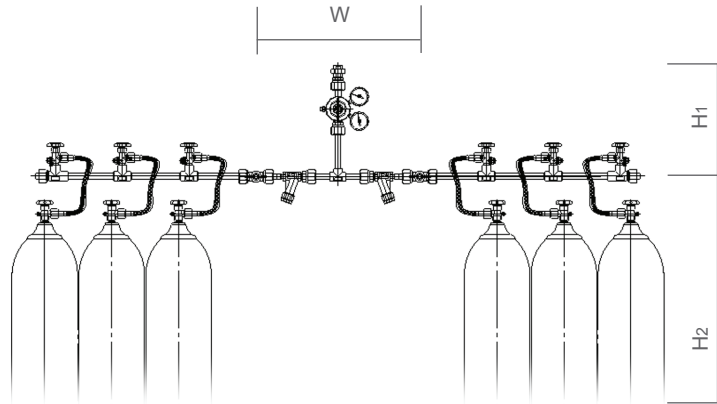
Standard Construction

- 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

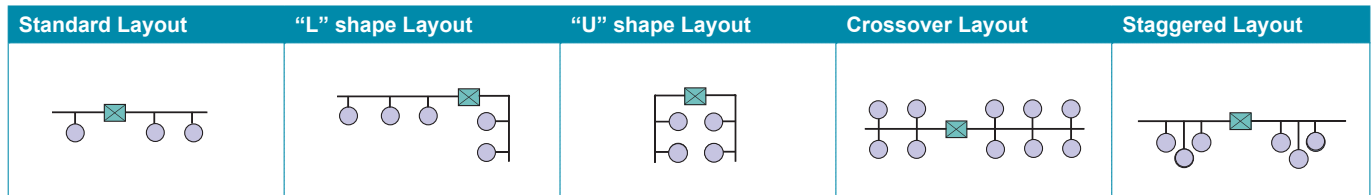
Series	Gas Service	Max. Inlet Pressure psi (bar)	Delivery Pressure psi (bar)	Max. Delivery Flow SCFH (m ³ /h)	Outlet Connection	Pigtail Specifications
5300X	Oxygen	3000 (207)	10~200 (0.7~14)	3500 (100)	3/4" NPT (M)	Pigtail, CGA540
5300C	Carbon Dioxide	3000 (207)	5~125 (0.35~8.6)	2100 (60)	3/4" NPT (M)	Pigtail, CGA320
5300IN	Argon, Nitrogen, Helium	3000 (207)	10~200 (0.7~14)	3500 (100)	3/4" NPT (M)	Pigtail, CGA580
5300Q	Air	3000 (207)	10~200 (0.7~14)	3500 (100)	3/4" NPT (M)	Pigtail, CGA590
5300H	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)	H2 in.(mm)
Oxygen, Air, Argon, Nitrogen	25.3 (642)	19.2 (488)	55.1 (1400)
Carbon Dioxide	25.3 (642)	25.7 (652)	55.1 (1400)

Manifold System Layouts



Ordering Information

53	1	2	X	- 5L - 5R	- 1
Series	Manifold System Layout	Cylinder Valve Spacing	Gas Service	Number of Cylinders (left-hand / right-hand)	Type of Mounting
Dual-bank manifold system	1: Standard layout 2: “L” Shape layout 3: “U” shape layout 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	1L-2R: One cylinder on the left, Two cylinders on the Right 5L-5R: Five cylinders on the left, Five cylinders on the Right ... <i>Note: Direction of piping (Right or Left) is indicated by facing the manifold.</i>	1: Wall mount 2: Floor mount

Example: 5312X-5x5-1 indicates a 5 x 5 cylinder dual-bank manifold system.
Distance between two cylinders is 10” on standard horizontal layout.