GM2-T SERIES

Touch Screen Digital Automatic Manifold Systems

GM2-T Series Touch Screen Display Medical Automatic Manifold System is designed to provide an uninterrupted gas supply without any manual adjustments. This system automatically switches over when the primary cylinder bank is depleted. Even in case of a power failure, the system continues to supply gas without interruption. The system is designed to meet the latest edition of NFPA 99 and CGA standards.

Features

Automatic Changeover Cabinet

- Fully enclosed, dust-proof metal cabinet
- Automatic Switchover when pressure is below preset limit
- Touch Screen LCD Display for easy control and monitoring
- Automatically generated alarm table
- Built-in network connection, can be integrated to the network system for real-time monitoring with RS-485 or ethernet cable
- Suitable for high flow system; rated for 120 m3/h (4200 SCFH)* to 170m3/h (6000 SCFH)**

* When delivery pressure is 50 psi
** When delivery pressure is 180 psi

Header

- Silver brazing on piping joints for maximum leak prevention
- System is designed to accommodate future expansion needs
- Optional external filter provides easy replacement of filter element
- Optional master shutoff valves
- Headers have been tested to withstand high cylinder pressure
- Wall or floor mount available

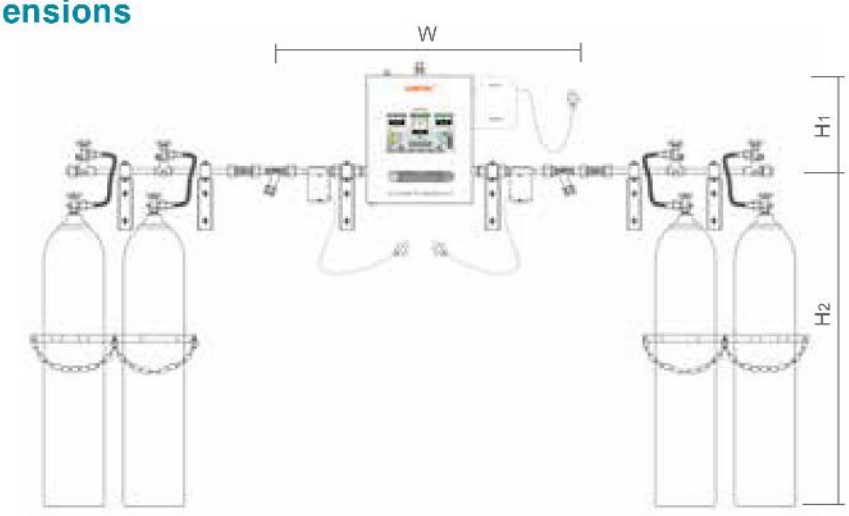
Standard Construction

- 24" flexible high pressure stainless steel braided pigtails* with check valve, Rigid copper pigtails are standard when gas service is oxygen. Carbon Dioxide manifold systems are provided with H900DG electric heating regulator. Siphon cylinder should not be used in the manifold system.

Specifications

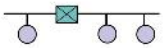
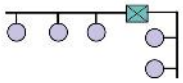
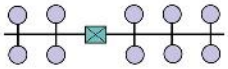
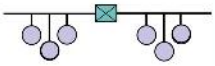
Series	Gas Service	Max. lilet Pressure psi (bar)	Delivery Pressure psi (bar)	Max. Delivery Flow SCFH (m^3/h)	Outlet Connection	Pigtail Specifications
GM2-TL-O2	Oxygen	3000 (207)	55~65 (3.4~4.5)	3500 (100)	3/4" NPT (M)	Pigtail, CGA540
GM2-TM-O2			100~125 (6.9~8.6)			
GM2-TH-O2			155~185 (10.7~12.8)			
GM2-TL-AIR	Medical Air	3000 (207)	55~65 (3.4~4.5)	3500 (100)	3/4" NPT (M)	Pigtail, CGA346
GM2-TM-AIR			100~125 (6.9~8.6)			
GM2-TM-IAIR	Instrument Air	3000 (207)	100~125 (6.9~8.6)	3500 (100)	3/4" NPT (M)	Pigtail, CGA346
GM2-TH-IAIR			155~185 (10.7~12.8)			
GM2-TL-NIT	Nitrogen	3000 (207)	55~65 (3.4~4.5)	3500 (100)	3/4" NPT (M)	Pigtail, CGA580
GM2-TM-NIT			100~125 (6.9~8.6)			
GM2-TH-NIT			155~185 (10.7~12.8)			
GM2-TL-IN	Inert Gas	3000 (207)	55~65 (3.4~4.5)	3500 (100)	3/4" NPT (M)	Pigtail, CGA580
GM2-TM-IN			100~125 (6.9~8.6)			
GM2-TH-IN			155~185 (10.7~12.8)			
GM2-TL-N2O	Nitrous Oxide	3000 (207)	55~65 (3.4~4.5)	1050 (30)	3/4" NPT (M)	Pigtail, CGA326
GM2-TM- N2O			100~125 (6.9~8.6)			
GM2-TL-CO2	Carbon Dioxide	2175 (150)	55~65 (3.4~4.5)	1050 (30)	3/4" NPT (M)	Pigtail, CGA320
GM2-TM-CO2			100~125 (6.9~8.6)			
GM2-TH-CO2			155~185 (10.7~12.8)			

Installation Dimensions



Gas Service	W in.(mm)	H1 in.(mm)	H2 in.(mm)
Oxygen, Air, Argon, Nitrogen, Inert Gas, Nitrous Oxide	41.3 (1050)	15.8 (400)	55.1 (1400)
Carbon Dioxide	55.5 (1410)	15.8 (400)	55.1 (1400)

Manifold System Layouts

Standard Layout	"L" shape Layout	"U" shape Layout	Crossover Layout	Staggered Layout
				

Ordering Information

GM2-T L	- O2	- U	- (5L x 5R	- S	2)
Series	**Delivery Pressure**	**Gas Service**	**Standard Code**	**Number of Cylinders (left-hand / right-hand)**	**Manifold System Layout**	**Cylinder Valve Spacing**
automatic manifold system (Touch Screen Digital)	USA (ISO) L: 55 psi (0.5 MPa) M: 100 psi (0.8 MPa) H: 185 psi (1 MPa)	O2: Oxygen AIR: Medical Air IAIR: Instrument Air NIT: Nitrogen IN: Inert Gas N2O: Nitrous Oxide CO2: Carbon Dioxide	U: USA Standsrd E: ISO Standsrd UE: Canada Standsrd	1L x 2R: One cylinder on the left, Two cylinders on the Right 5L x 5R: Five cylinders on the left, Five cylinders on the Right ... Note: Direction of piping (Right or Left) is indicated by facing the manifold.	S: Standard layout L: "L" Shape layout U: "U" shape layout D: Crossover layout X: Staggered layout	1: 5" (127 mm) 2: 10" (254 mm) 3: 13" (330 mm) 4: 18" (457 mm)

Example: GM2-TL-O2-U-(5Lx5R-S2) indicates a 5*5 oxygen cylinder touch screen automatic manifold system. Distance between two cylinders is 10" on standard horizontal layout. NFPA99 color code (USA)
GM2-TL-O2-U-(0x0) indicates an oxygen changeover system with filters and master shutoff valves. NFPA99 color code (USA)
GM2-TL-O2-U indicates an oxygen changeover system only. NFPA99 color code (USA)