GM2-T SERIES TOUCH SCREEN DISPLAY MEDICAL AUTOMATIC MANIFOLD SYSTEM

GENTEC® 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 System

- 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 m^3/h (4200 SCFH)* to 170m^3/h (6000 SCFH)**

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

Pipeline

- 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

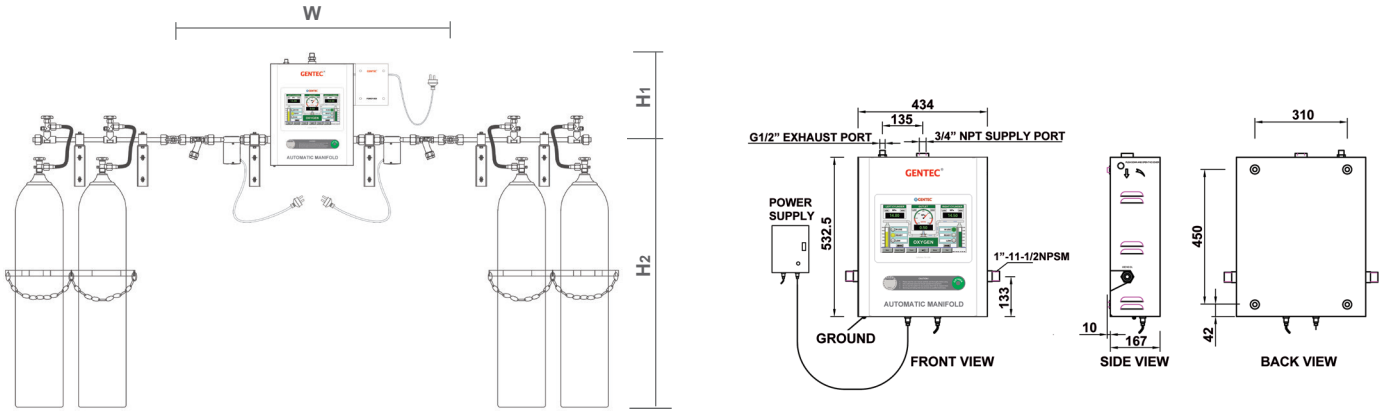
Series Number	Gas Service	Max. Inlet Pressure psi (bar)	Delivery Pressure psi (bar)	Max. Delivery Flow SCFH (m^3/h)	Outlet Connection	Inlet Connection
GM2-TL-O_2	Oxygen	3000 (207)	10~145 (0.69~10)	4200 (120)	3/4" NPT attachment to the union	Pigtail, CGA540
GM2-TM-IN	Inert Gas	3000 (207)	10~230 (0.69~15.86)	6000 (170)	3/4" NPT attachment to the union	Pigtail, CGA580
GM2-TM-CO_2	Carbon Dioxide	2175 (150)	4.4~125 (0.3~8.62)	1060 (30)	3/4" NPT attachment to the union	Pigtail, CGA320
GM2-TH-AIR	Air	3000 (207)	10~203 (0.69~14)	5300 (150)	3/4" NPT attachment to the union	Pigtail, CGA346

* Connections can be changed to meet DIN, BS or other standards

Specifications

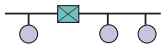
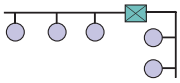
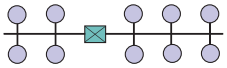
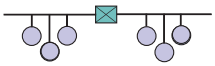
- 24” or 36” flexible high pressure stainless steel braided pigtails with check valve
- Rigid copper pigtails are standard when gas service is oxygen
- Carbon Dioxide manifold systems are provided with H900G electric gas heater
- Siphon-type cylinder should not be used in the manifold system

Dimensions



Gas Service	W in.(mm)	H1 in.(mm)	H2 in.(mm)
Oxygen, Air, Inert Gas	41.3 (1050)	15.8 (400)	55.1 (1400)
Carbon Dioxide	56.3 (1430)	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 - 5R -	S	2)
Series	**Delivery Pressure**		**Gas Service**	**Color Code**	**Number of Cylinders (left-hand / right-hand)**	**Manifold System Layout**	**Cylinder Valve Spacing**
GM2-T	USA Standard L: 55 psi (380 kPa) M: 100 psi (690 kPa) H: 185 psi (1270 kPa)	EN Standard L: 72.5 psi (5 bar) M: 116 psi (8 bar) H: 145 psi (10 bar)	O_2: Oxygen AIR: Air CO_2: Carbon Dioxide IN: Ar, He, N_2	E: ISO 32 U: NFPA 99 (USA)	1L-2R: One cylinder on the left, Two cylinders on the Right 5L-5R: Five cylinders on the left, Five cylinders on the Right 0-0: Left and Right side each with filter and master shutoff valve 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-(5L-5R-S2)** indicates a 5*5 oxygen cylinder touch screen automatic manifold system. Distance between two cylinders is 10” on standard horizontal layout.
GM2-TL-O2-U-(0-0) indicates an oxygen changeover system with filters and master shutoff valves.
GM2-TL-O2-U indicates an oxygen changeover system only.