

GMS-A SERIES STAINLESS STEEL SEMI-AUTOMATIC MANIFOLD SYSTEMS

GMS-A series stainless steel semi-automatic manifold system is designed to provide an uninterrupted gas supply, it is a dual bank manifold system consist of a main gas delivery bank and a reserve bank of cylinders, Even in case of power failure, the system continues to supply gas without interruption. Suitable for In-vitro Fertilization Center (IVF) and laboratories, as well as other Ultra High Purity (UHP) application.



Features

Automatic Changer Cabinet

- Fully enclosed, tamper-resistant metal cabinet
- DOM Bias Regulator Technology
- Secondary regulator provides stable gas flow rate
- System continues to supply gas without interruption
- A pressure relief valve included to provide additional protection from excessive pressure
- Pressure switch port available

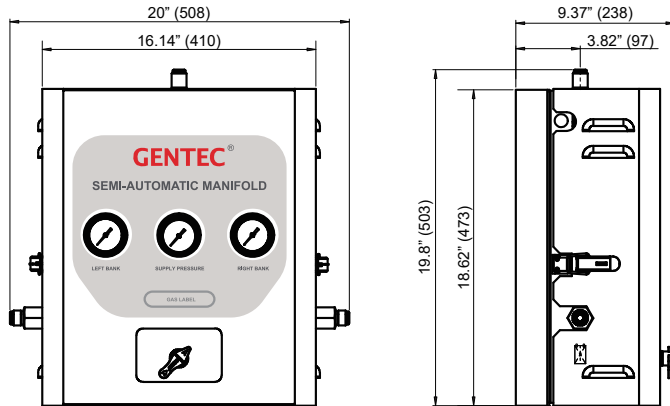
Header Bars

- Silver brazing on piping joints for leak prevention
- System is mounted with gas external filters which is easy for replacement and filtration elements
- Header bars have been tested to withstand high cylinder pressure
- Wall or floor mount available

Standard Construction

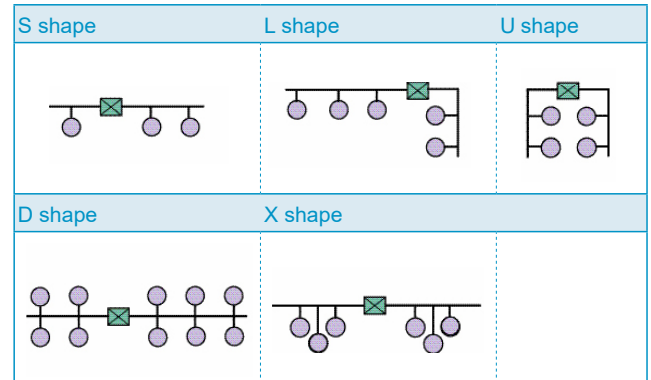
- 36" (914 mm) stainless steel flexible pigtail or 36" (914 mm) stainless steel rigid pigtail.
- Carbon Dioxide manifold systems are provided with SH600 electrically heated regulator. Siphon cylinder should not be used in the manifold system.

Dimensions



Length Unit: in. (mm)

Layouts



Specifications

Series	Gas Service	Max. Inlet Pressure (psi)	Delivery Pressure (psi)	Max. Delivery Flow m ³ /h (SCFH)	Inlet / Outlet Connection
GMS-AL	N ₂	3000	50~65	20 (706)	1/2" MVCR
	Ar	3000	50~65	20 (706)	1/2" MVCR
	CO ₂	2175	50~65	15 (528)	1/2" MVCR
GMS-AM	N ₂	3000	100~125	30 (1060)	1/2" MVCR
	Ar	3000	100~125	30 (1060)	1/2" MVCR
	CO ₂	2175	100~125	15 (528)	1/2" MVCR
GMS-AH	N ₂	3000	150~185	30 (1060)	1/2" MVCR
	Ar	3000	150~185	30 (1060)	1/2" MVCR

Ordering Information

EX: GMS - A L - N2 - U (5L x 5R - S 2) - 1								
Series	Display Type	Outlet Type	Gas Service	Standard Code	Number of Cylinders	System Layout	Cylinders Valve Spacing	Option
GMS	A: Analog	L: 50 psi M: 100 psi H: 150 psi	N2: Nitrogen Ar: Argon CO2: Carbon Dioxide	U: USA Standard E: ISO Standard	5L x 5R: Left side x Right side	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)	Blank: Pressure Gauge 1: Contact pressure Gauge

For example: GMS-AL-N2-U(5Lx5R-S2) indicates a 5x5 cylinder nitrogen dual-bank manifold system, USA color coded. Distance between two cylinders is 10" on standard horizontal layout.

GMS-AL-N2-U(0x0) indicates a nitrogen changeover system with filters and master shutoff valves, USA color coded.

GMS-AL-N2-U indicates a nitrogen changeover system only, USA color coded.