

SEMI-AUTOMATIC CHANGEOVER MANIFOLDS

SPECIFICATIONS

- Digital readout can display psig, KPa or Bar.
- Connects to remote alarm systems. (Up to 3 amps 30 VDC or 2 amps 250 VAC)
- Maximum inlet pressure 3000 psig. (2000 for CO₂ & N₂O systems)
- Maximum Flow:

HGM2	1200 scfh
HGM2 (CO ₂ & N ₂ O)	35 scfh
HGM2HL (CO ₂ & N ₂ O)	500 scfh
HGM2HP	1200 scfh
- Internal adjustable dual line regulators.

HGM2 & HGM2HL	30–55 psig
HGM2HP	50–200 psig
- Manifold outlet: 1/2" NPT.
- Relief valve outlet: 1/2" NPT.

Oxygen Only:

- Rigid Copper pigtails with check valves are required (NFPA-99 2002).

All Other Gases:

- Flexible pigtails with check valves.
- 1/2" Brass, silver brazed headers.

Western HGM2 Healthcare Gas Manifolds are designed and manufactured according to NFPA-99 2002 safety and performance requirements. Easy-to-read digital displays indicate the line and individual bank pressures. A green light means the service bank is functioning and the reserve bank is ready for service. A red light alerts the user that one or both banks are depleted. A simple rotation of the control lever resets the unit.



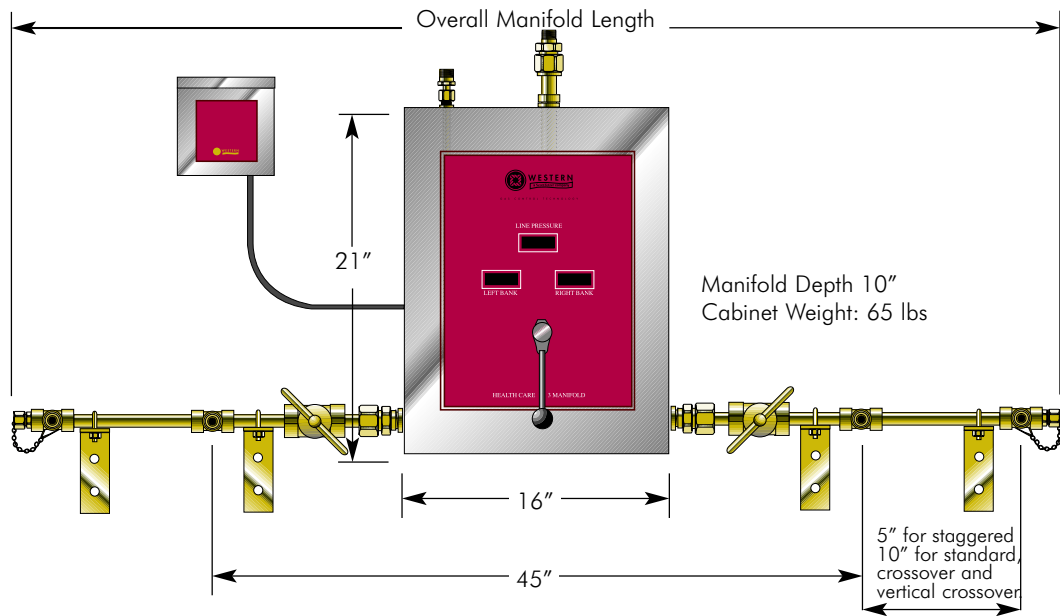
OPERATING TEMPERATURE	
Nitrous Oxide & Carbon Dioxide	20-120°F
Air, Helium, Oxygen & Nitrogen	0-120°F

- Cabinets must be protected from elements of weather.

HOW TO ORDER

Specify: Control Type (V) - Service (W) - Number of Cylinders (X)			
Example 1: HGM2-9-12VF represents HGM2 with oxygen gas service and a vertical			
Example 2: HGM2HP-7-6 represents HGM2HP with nitrogen gas service with			
CONTROL TYPE (V)	GAS SERVICE (W)		# OF CYL'S (X)
HGM2 (30 to 55 psig)	(2) Breathing Air	CGA-346	
	(4) Carbon Dioxide	CGA-320	
HGM2HL (30 to 55 psig) (For CO ₂ and N ₂ O – includes 500 scfh heater)	(5) Helium	CGA-580	
	(7) Nitrogen	CGA-580	
	(8) Nitrous Oxide	CGA-326	
	(9) Oxygen	CGA-540	
HGM2HP (50 to 200 psig)			





Example: HGM2 - 9 - 4 - Oxygen (9=CGA-540) Manifold for 4 Cylinders

DESIGN LENGTHS

TOTAL NO. OF CYLINDERS	4	6	8	10	12	16	20
Standard (10" Centers) Overall Manifold Length	5' - 11" (1.80m)	7' - 7" (2.31m)	9' - 3" (2.82m)	10' - 11" (3.33m)	12' - 7" (3.84m)	15' - 11" (4.85m)	19' - 3" (5.87m)
Staggered Design (5" Centers) Overall Manifold Length	5' - 1" (1.55m)	5' - 11" (1.80m)	6' - 9" (2.06m)	7' - 7" (2.31m)	8' - 5" (2.57m)	10' - 1" (3.07m)	11' - 9" (3.58m)
Vertical Crossover (10" Centers) Overall Manifold Length	4' - 3" (1.30m)	N/A	5' - 11" (1.80m)	N/A	7' - 7" (2.31m)	9' - 3" (2.82m)	10' - 11" (3.33m)
Crossover (10" Centers) Overall Manifold Length	4' - 3" (1.30m)	N/A	5' - 11" (1.80m)	N/A	7' - 7" (2.31m)	9' - 3" (2.82m)	10' - 11" (3.33m)

Header Configuration (Y) Mounting (Z)

crossover bank of 6 cylinders per side which is mounted on a floor stand.
a standard header configuration of 3 cylinders per side which is mounted on the wall.

HEADER CONFIGURATION (Y)

- BLANK - Standard 10 inches on center
- V - Vertical crossover 10 inches on center
- S - Staggered 5 inches on center
- C - Crossover 10 inches on center*
- U-Shaped - Drawing Required
- L-Shaped - Drawing Required

MOUNTING (Z)

BLANK = Wall mount
F = Floor mounted
* Crossover Style Headers require floor stand option.