

FHM2

Western Innovator FHM2 Healthcare Gas Manifolds provide fully automatic system control. An integrated circuit board monitors cylinder bank pressure electronically, controlling changeover and eliminating the need to manually reset levers or valves. FHM2 Healthcare Manifolds meet NFPA-99 2002

safety and performance requirements. Easy-to-read digital displays show the line and individual bank pressures. A series of lights for each bank indicates whether the bank is "in service", "ready for use", or "bank depleted".

specifications

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

FHM2	2000 scfh
FHM2 (CO ₂ & N ₂ O)	35 scfh
FHM2HL (CO ₂ & N ₂ O)	500 scfh
FHM2HP	3000 scfh
- Internal adjustable dual line regulators.

FHM2 & FHM2HL	30-70 psig
FHM2HP	100-190 psig
- Manifold outlet: 1/2" NPT.
- Relief valve outlet: 1/2" NPT.
- 1/2" Brass, silver brazed headers.
- Oxygen pigtails rigid copper, with check valves, all other gases 24" flexible stainless steel pigtails with check valves.



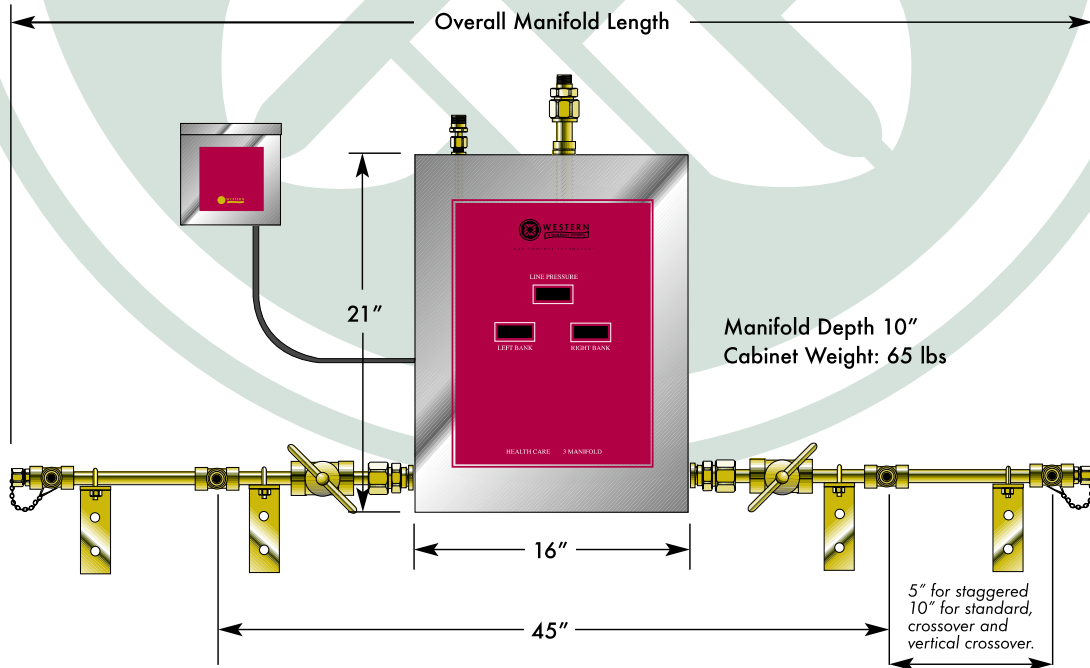
HOW TO ORDER

Specify: Control Type (V) - Service (W) - Number

Example 1: FHM2-9-12VF represents FHM2 with oxygen gas service and a
 Example 2: FHM2HP-7-6 represents FHM2HP with nitrogen gas service with a

CONTROL TYPE (V)	GAS SERVICE (W)	# OF CYL'S (X)
FHM2 (30 to 70 psig)	(2) Breathing Air CGA-346 (4) Carbon Dioxide CGA-320	
FHM2HL (30 to 70 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	
FHM2HP (100 to 190 psig)		





Example: FHM2 - 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)

of Cylinders (X) Header Configuration (Y) Mounting (Z)	
HEADER CONFIGURATION (Y)	MOUNTING (Z)
<p>BLANK - Standard 10 inches on center</p> <p>V - Vertical crossover 10 inches on center</p> <p>S - Staggered 5 inches on center</p> <p>C - Crossover 10 inches on center</p> <p>U-Shaped - Drawing Required</p> <p>L-Shaped - Drawing Required</p>	<p>BLANK = Wall mount</p> <p>F = Floor mounted</p>



HGM2

Western Innovator HGM2 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.

specifications

- Digital readout can display psig, KPa or Bar.
- Connects to remote alarms 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 pigtails rigid copper, with check valves, all other gases 24" flexible stainless steel pigtails with check valves.
- 1/2" Brass, silver brazed headers.



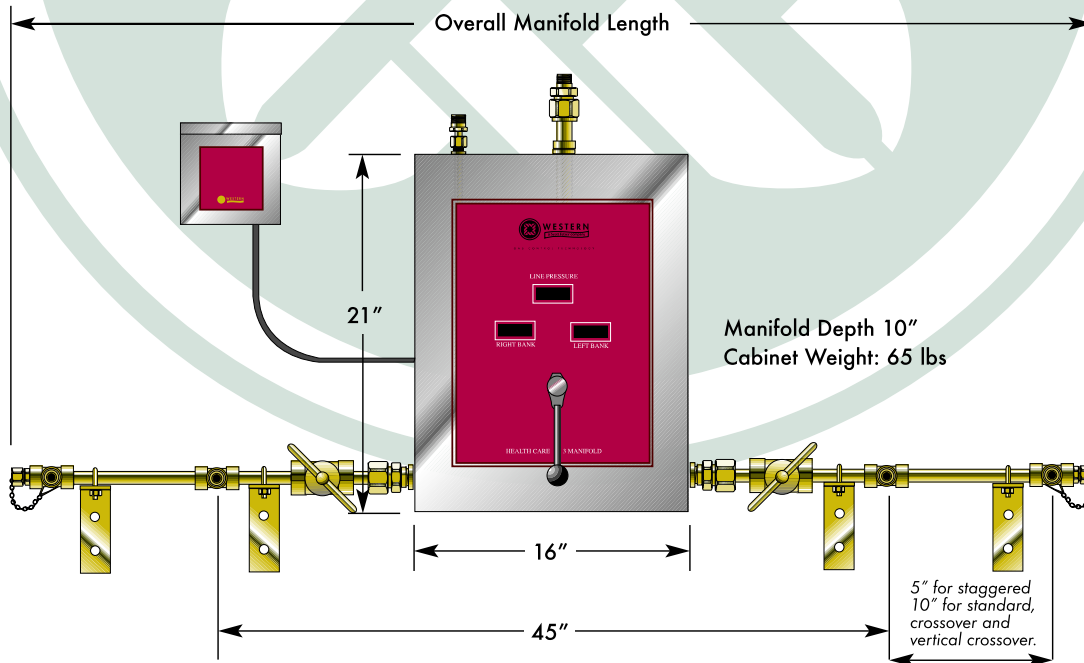
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Specify: Control Type (V) - Service (W) - Number

Example 1: HGM2-9-12VF represents HGM2 with oxygen gas service and a
 Example 2: HGM2HP-7-6 represents HGM2HP with nitrogen gas service with a

CONTROL TYPE (V)	GAS SERVICE (W)	# OF CYL'S (X)
HGM2 (30 to 55 psig)	(2) Breathing Air (4) Carbon Dioxide	CGA-346 CGA-320
HGM2HL (30 to 55 psig) (For CO ₂ and N ₂ O - includes 500 scfh heater)	(5) Helium (7) Nitrogen (8) Nitrous Oxide (9) Oxygen	CGA-580 CGA-580 CGA-326 CGA-540
HGM2HP (50 to 200 psig)		





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

Design Lengths

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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)
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