

FHM2

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

FHM2 Healthcare Manifolds meet NFPA-99 2012 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".

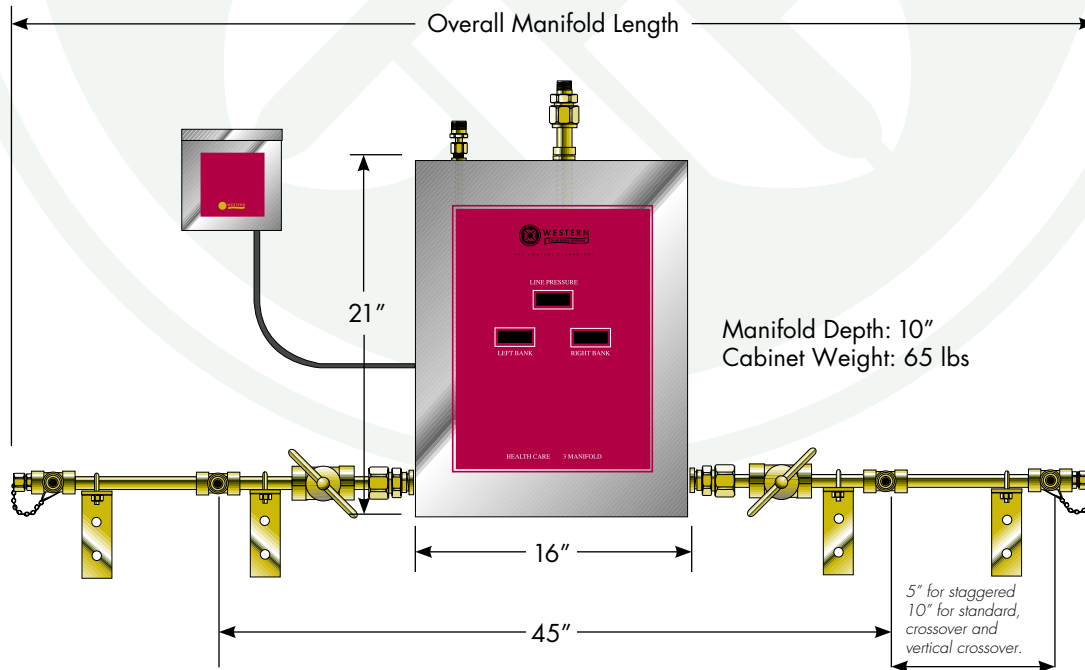
specifications

- NFPA Compliant, Fully Automatic Digital System
- CSA Approved Power Supply included
- Maximum inlet pressure: 3000 psig (2000 for CO<sub>2</sub> & N<sub>2</sub>O systems)
- Maximum Flow:
  - FHM2 2000 scfh
  - FHM2 (CO<sub>2</sub> & N<sub>2</sub>O) 35 scfh
  - FHM2HL (CO<sub>2</sub> & N<sub>2</sub>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 male
- Relief valve outlet: 1/2" NPT male
- 1/2" Brass, silver brazed headers
- Oxygen Pigtails: NFPA 99 compliant, rigid copper, with check valves,  
Other Gas Pigtails: NFPA 99 compliant, 24" flexible stainless steel with check valves
- Digital readout can display psig, kPa or Bar
- Connects to remote alarms systems (Up to 3 amps 30 VDC or 2 amps 250 VAC)



HOW TO ORDER

| Specify: Control Type (V)-Service (W)-Number of Cyl's (X)                                         |                            |                |
|---------------------------------------------------------------------------------------------------|----------------------------|----------------|
| Example 1: FHM2HP-7-6 represents FHM2HP with nitrogen gas service with a 6 cylinder manifold      |                            |                |
| CONTROL TYPE (V)                                                                                  | GAS SERVICE (W)            | # OF CYL'S (X) |
| FHM2 (30 to 70 psig)                                                                              | (2) Air CGA-346            |                |
| FHM2HL (30 to 70 psig)<br>(For CO <sub>2</sub> and N <sub>2</sub> O-<br>includes 500 scfh heater) | (4) Carbon Dioxide CGA-320 |                |
|                                                                                                   | (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)<br>Overall Manifold Length           | 5'-11"<br>(1.80m) | 7'-7"<br>(2.31m)  | 9'-3"<br>(2.82m)  | 10'-11"<br>(3.33m) | 12'-7"<br>(3.84m) | 15'-11"<br>(4.85m) | 19'-3"<br>(5.87m)  |
| Staggered Design (5" Centers)<br>Overall Manifold Length    | 5'-1"<br>(1.55m)  | 5'-11"<br>(1.80m) | 6'-9"<br>(2.06m)  | 7'-7"<br>(2.31m)   | 8'-5"<br>(2.57m)  | 10'-1"<br>(3.07m)  | 11'-9"<br>(3.58m)  |
| Vertical Crossover (10" Centers)<br>Overall Manifold Length | 4'-3"<br>(1.30m)  | N/A               | 5'-11"<br>(1.80m) | N/A                | 7'-7"<br>(2.31m)  | 9'-3"<br>(2.82m)   | 10'-11"<br>(3.33m) |
| Crossover (10" Centers)<br>Overall Manifold Length          | 4'-3"<br>(1.30m)  | N/A               | 5'-11"<br>(1.80m) | N/A                | 7'-7"<br>(2.31m)  | 9'-3"<br>(2.82m)   | 10'-11"<br>(3.33m) |

### Cylinders (X)-Header Configuration (Y)-Mounting (Z)

Standard header configuration of 3 cylinders per side which is mounted on the wall.

| HEADER CONFIGURATION (Y)                                                                                                                                                                                                                                    | MOUNTING (Z)                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| <b>BLANK</b> - Standard 10" on Center<br><br><b>V</b> - Vertical crossover 10" on Center<br><br><b>S</b> - Staggered 5" on Center<br><br><b>C</b> - Crossover 10" on Center<br><br><b>U-Shaped</b> - Drawing Required<br><b>L-Shaped</b> - Drawing Required | <b>BLANK</b> = Wall mount<br><b>F</b> = Floor mounted |