

Ohio Medical Automatic Manifold

Ohio Medical's compact series of medical gas manifolds is designed to be a fully automatic system for use with high pressure cylinders. The manifold gives an uninterrupted supply of gas as the primary bank of cylinders is depleted. At a preset pressure, the manifold automatically switches to the reserve bank. The system eliminates the need for the operator to change switches or pressure upon cylinder depletion.



Design & Construction Features

- 12.8" W x 14.0"H x 5" D
- Powder coated steel mounting
- Durable ABS plastic cover
- Cover latch is padlockable for security
- 1/2" NPT(F) outlet connection
- Inlet size: 1" 11-1/2 NPS (M)

Fully Automatic Changeover

- Patented switchover unit
- Does not require power to change over
- Dual pressure switch design prevents false readings

Adjustable Delivery Pressure

- 0 – 70 PSIG (4.8 bar) for all gases except nitrogen
- 0-200 PSIG (13.8 bar) for nitrogen
- Line, supply, reserve, and intermediate pressure gauges

High Flow Capacity

- 3500 SCFH air @ 70 deg. F.
- Flow coefficient Cv = .238

Ease of Service

- Removable cover for easy access to internal components

Electrical Requirements

- 24 VAC service –cabinet lights and alarm
- 115 or 230/24 VAC power supply included
- In case of power failure system continues to operate
- Optional heaters available for CO₂ & N₂O-requires 2 per manifold

Safety Standards and Codes

- Compressed Gas Association (Pamphlets V-1, E-1, G-1)
- American National Standards Institute (Pamphlets B-57-1)
- National Fire Protection Association (Pamphlets NFPA-51)
- ETL Listed to UL STD 407.
- Compliant with National Fire Protection Association (Pamphlets NFPA-99C)

Performance Specifications

- Maximum Inlet—3000 PSIG
- Maximum temperature—140 deg. F.
- Minimum temperature—0 deg. F

GAS	115 volt PART #	230 volt PART #
Oxygen	261712	262797
Nitrous Oxide	261713	262798
Carbon Dioxide	261714	262801
Nitrogen	261715	262799
Medical Air	261716	262800
Heaters for nitrous oxide or carbon dioxide (2 needed)	263431	263409

MANIFOLD INSTALLATION KITS

Includes 1/2" pipe adapter, 1/2" locking source valve, and relief valve.

For all gases except nitrogen 263463

For nitrogen 263464

Please refer to separate spec sheet for header bar kits and dimensions.