# Ohio Medical Automatic Liquid to Liquid Manifold

Ohio Medical's compact series of medical gas manifolds is designed to be a fully automatic system for use with liquid 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. These models include an economizer circuit to help prevent reserve cylinders from wasting gas due to venting to atmosphere. They also are equipped with an inlet port for a reserve high pressure manifold per NFPA requirements.


| GAS | 115 volt PART # |
|---|---|
| **Oxygen** | 261719 |
| **Nitrogen** | 261720 |
| **Carbon Dioxide** | 261721 |

## 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
- ½" NPT(F) outlet connection
- Inlet size: 1" 11 ½ NPS (M)

## Fully Automatic Changeover
- Patented switchover unit
- Does not require power to change over
- Dual pressure switch design prevents false readings
- Economizer circuit to prevent waste of gas

## 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
- 3000 SCFH air @ 70 deg. F.
- Flow coefficient Cv = .238

Note: flow rate is limited by the withdrawal rate of vaporized gas from liquid containers, as well as the number of containers in the system. Flow rate listed for reference only.

## Ease of Service
- Removable cover for easy access to internal components

## Electrical Requirements
- 24 VAC service –cabinet lights and alarm
- 115/24 VAC power supply included
- In case of power failure system continues to operate

## 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—500 PSIG
- Maximum temperature—140 deg. F.
- Minimum temperature—0 deg. F