

VM2000 Series

High Pressure Cylinder Automatic Manifold System

The Victor VM2000 Series 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. The manifold comes with Victor's two-year warranty, while maintaining a five year warranty on the switchover mechanism itself.

Design & Construction Features

- Frame mounted design with removable cover
 - 12.8"W x 14.0"H x 5"D
 - Powder coated steel mounting frame
 - Durable ABS plastic cover
 - Cover draw latch is padlockable for security
 - Wall or stand mount available
 - 1/2" NPT (F) outlet connection
 - Inlet size: 1-11/2" 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
 - 0-200 PSIG for Oxygen, Air, Inert, CO2
 - 0-70 PSIG for medical models except Nitrogen
 - Line, supply, reserve and intermediate pressure gauge
- High flow capacity
 - 3500 SCFH air @ 70° F
 - Flow coefficient Cv = .238
- Ease of repair
 - Removeable 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.
- 500W or 1000W heaters available
 - (500W standard for CO2 and N2O service)
- Models also available for Helium, Acetylene,
 - LP Gas and Hydrogen/Methane



VM2000 Industrial Shown

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)
- UL listed component regulators and valves
- Medical units comply with National Fire Protection Association (Pamphlets NFPA-99C)

Performance Specifications

- Maximum Inlet - 3000 PSIG
- Maximum Temperature - 140° F
- Minimum Temperature - 0° F

VM2000 SERIES

DESCRIPTION	MODEL	PART NO.
Oxygen Fully Auto Cabinet	VM2000	1125-1133
Inert Gas Fully Auto Cabinet	VM2000	1125-1134
CO ₂ Fully Auto Cabinet (w/500W heater)	VM2000	1132-4189
Medical Oxygen Fully Auto Cabinet	VM2100	1125-1137
Medical Nitrogen Fully Auto Cabinet	VM2100	1125-1138
Medical Compressed Air Fully Auto Cabinet	VM2100	1125-1139
Medical CO ₂ Fully Auto Cabinet (w/500W heater)	VM2100	1132-4190

VM1000 Series

Liquid Cylinder

The Victor VM1000 Series 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. The manifold comes with Victor's two-year warranty, while maintaining a five year warranty on the switchover mechanism itself. The 1000 Series models include an economizer circuit to help prevent reserve cylinders from wasting gas due to venting to atmosphere.

Design & Construction Features

- Frame mounted design with removable cover
 - 12.8"W x 14.0"H x 5"D
 - Powder coated steel mounting frame
 - Durable ABS plastic cover
 - Cover draw latch is padlockable for security
 - Wall or stand mount available
 - 1/2" NPT (F) outlet connection
 - Inlet size: 1-111/2" NPS (M)
- Fully automatic changeover
 - Patented switchover unit
 - Economizer circuit
 - Does not require power to change over
 - Dual pressure switch design prevents false readings
- Adjustable delivery pressure
 - 0-200 PSIG for Oxygen, Air, Inert, CO2 and N2O
 - 0-70 PSIG for medical models except Nitrogen
 - Higher delivery pressures require higher inlet pressures
 - Line, supply, reserve and intermediate pressure gauge
- High flow capacity
 - 3000 SCFH air @ 70° 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 repair
 - Removeable cover for easy access to internal components
 - Face seal connections
- Electrical requirements
 - 24 VAC service - cabinet lights and alarm
 - 115/24 VAC power supply included
 - Alarm system optional, not required for manifold to operate.
 - In case of power failure system continues to operate



VM1100 Medical Shown

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)
- UL listed component regulators and valves
- Medical units comply with National Fire Protection Association (Pamphlets NFPA-99C)

Performance Specifications

- Maximum Inlet - 500 PSIG
- Maximum Temperature - 140° F
- Minimum Temperature - 0° F

VM1000 SERIES

DESCRIPTION	MODEL	PART NO.
Oxygen Fully Auto Cabinet	VM1000	1125-1127
Inert Gas Fully Auto Cabinet	VM1000	1125-1128
CO ₂ Fully Auto Cabinet	VM1000	1125-1129
Medical Oxygen Fully Auto Cabinet	VM1100	1125-1130
Medical Nitrogen Fully Auto Cabinet	VM1100	1125-1131
Medical N ₂ O/CO ₂ Fully Auto Cabinet	VM1100	1125-1132