

Economy Manifold



General Specifications:

The Amico Economy Manifold incorporates the basic necessities for distribution and monitoring of gas throughout a facility.

The Manifold is semi-automatic and shall switch from "In Use" bank to "Reserve" bank once the "In Use" bank depletes. Manual operation shall be required at the time of changing cylinders to ensure that the "Reserve" bank is changed to "In Use". The bank that has new cylinder(s) shall be the "Reserve".

A pressure switch controls the remote alarm which indicates the "In Use" to "Reserve" supply switch-over and that cylinder replacement is necessary. The pressure switch is set to trigger an alarm condition when the operating bank pressure drops pressure slightly above the secondary bank outlet pressure and just before the bank switch-over occurs.

All Manifold regulators, piping and control switching equipment shall be cleaned for oxygen service.

FLOW CAPACITY

Oxygen, Nitrous Oxide, Medical Air, Carbon Dioxide: 4500 SCFH (2,123 L/min)

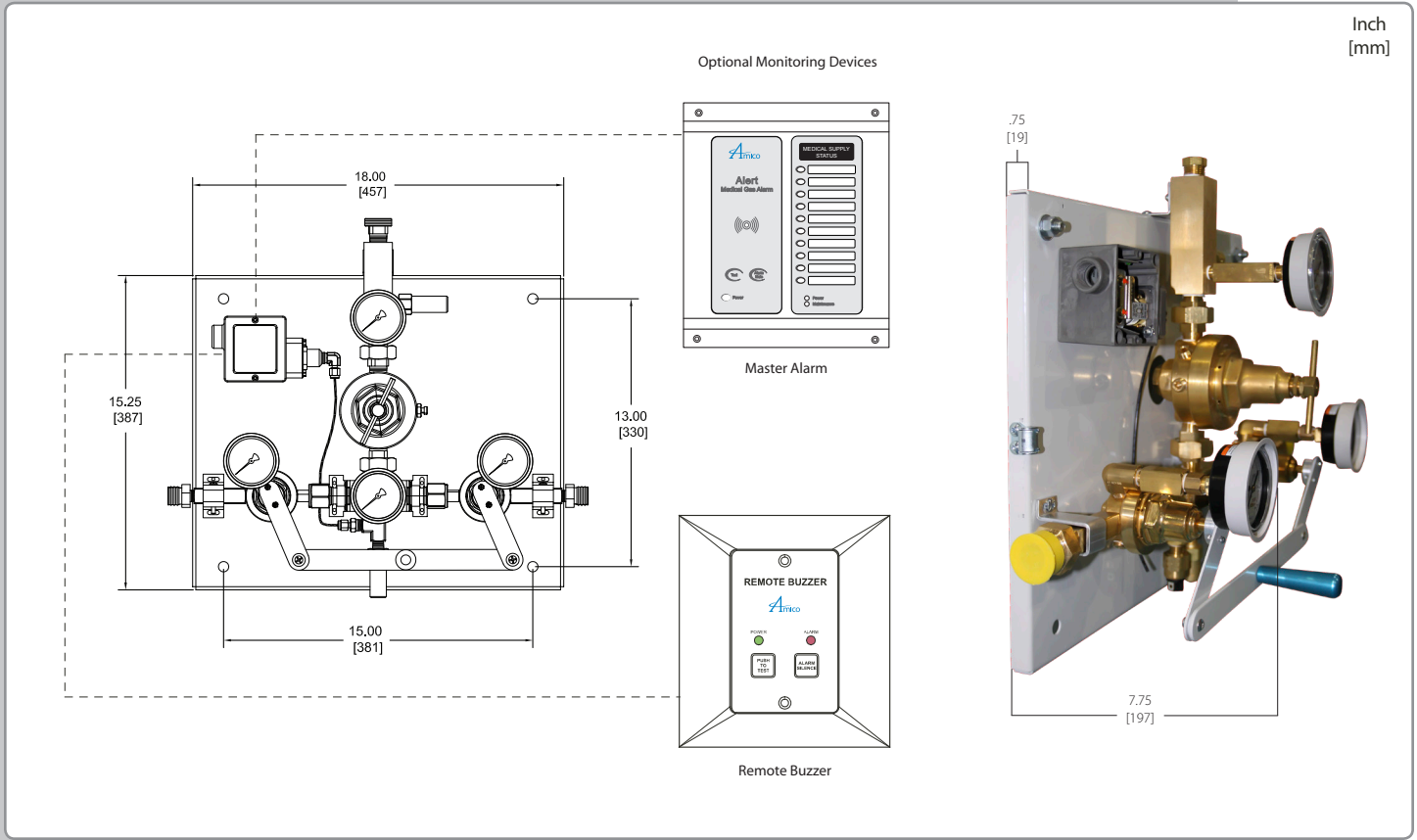
Nitrogen: 6000 SCFH (2,831 L/min)

Features

- Heavy duty line regulator to produce optimum gas flow
- Pressure switch with dry contacts to indicate "Reserve" in use alarm
- Check valves provided to prevent back flow from one bank to another
- Removable cabinet enclosure for easy installation and service
- Maximum inlet pressure is 3,000 psi (20,685 kPa)
- Maximum delivery pressure is 180 psi (1,242 kPa)

Project

Technical Specifications



Model Numbers

Manifold Cabinet:

M3EC-S-HH-L-GAS

HH = High Pressure

EC = Economy

S = Single Heavy Duty Line Regulator

"L" Defines the Language:

U = English (NFPA)
S = Spanish (NFPA)

The "GAS" Defines the Type of Gas:

Oxygen = OXY
Nitrogen = NIT
Medical Air = AIR
Carbon Dioxide = CO2
Nitrous Oxide = N2O

Header-Bar Assembly:

M2-HBYY-XXL-GAS

"YY" Defines the Type of Head-Bar Assembly:

TS = Straight c/w Stainless Pigtails
TC = Straight c/w Copper Pigtails
XS = Staggered c/w Stainless Pigtails
XC = Staggered c/w Copper Pigtails

"XX" Defines the Number of Cylinders:

04 = 2 x 2
08 = 4 x 4

Distributed By:

Wall Bracket for Header-Bar Assembly: **M-X-HB-WLBRKIT**

Note: For Oxygen service, use only copper pigtails.



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