

Medical Automatic IntelliSwitch™ Manifold

General Specifications:

The fully-automatic universal medical IntelliSwitch™ offers continuous, fail-safe pressure and flow control from liquid or high pressure medical cylinders which enables the user to select the ideal mode of supply with the simple push of a button. Proprietary software and control logic lower yearly gas costs and comply with the NFPA 99 “Economizer” requirements by eliminating liquid cylinder vent loss and excess residual return. This makes the Medical IntelliSwitch™ the perfect choice for healthcare and medical gas pipeline systems.



Power Requirements

110 VAC standard (220VAC Optional)

Maximum Inlet Pressure

3,000 PSIG (210 BAR)

Temperature Range

0 to 140°F (-18° to 60°C)

Weight

112 lbs.

Filter

40--micron

Inlet Connection

CGA 1340

Outlet Connection

1/2" FPT for Main Valve (included)

Flow Capacity:

CV = 1.0

1800 SCFH

Materials:

Bodies

Brass barstock

Seats

Viton®, Neoprene

Seals

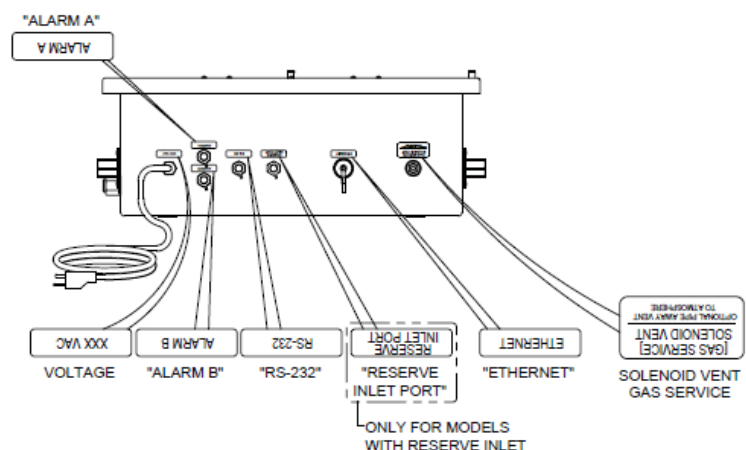
PTFE, Neoprene and Viton®

Enclosure

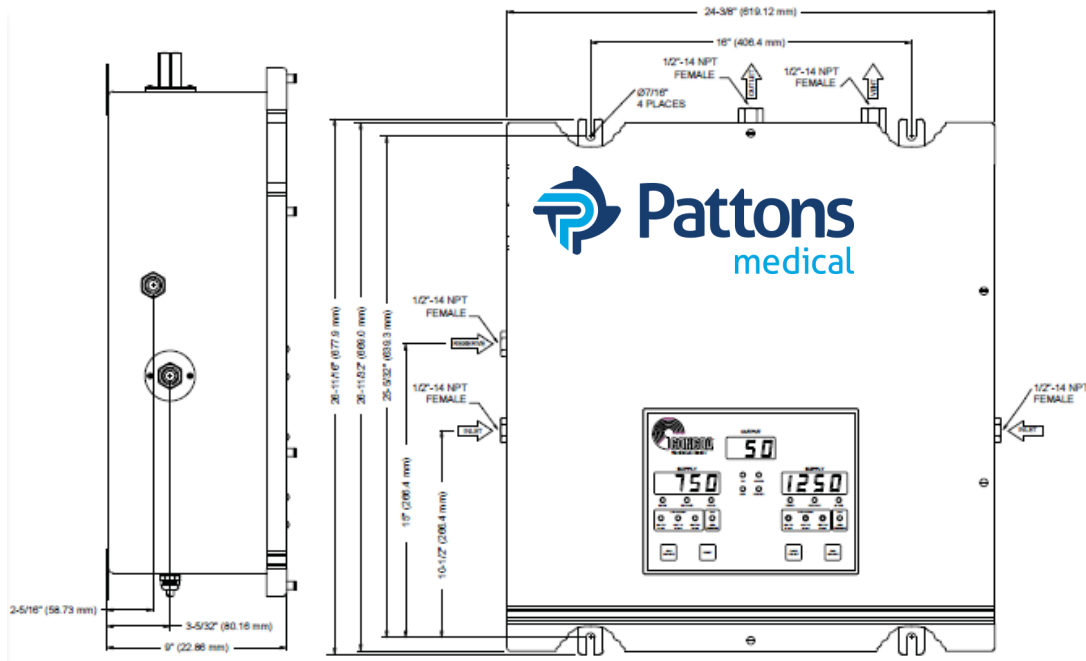
Powder Coated Steel NEMA 12 Enclosure

Features:

- Dual line regulator diagnosis
- Left side reserve inlet option
- Nema 12 enclosure
- Advantium RX™ alarm interface
- Micro-processor control
- I-Link™ Webserver
- On-site supply change
- Low loss technology
- Electronic economizer
- Self-diagnosis software
- Remote monitoring option
- Ethernet connectivity option
- RS 232/RS 485 connectivity
- Dual master alarm interface



Technical Specifications:



Model Numbers

Manifold Cabinet:

M1INTELI-XXXX-XXX

D = Dual Line

H = Heater (CO2 and N2O only)

LL = Liquid * Liquid
Liquid * HP (selectable in L*L version)
HP * HP (Selectable in L*L Version)

The "XXX" Defines the Gases:

- Oxygen = OXY
- Nitrous Oxide = N2O
- Nitrogen = NIT
- Carbon Dioxide = CO2

Header-Bar Assembly:

M1-HBXX-XX-XXX

"LQ" = Liquid Header Bars

"BC" = Staggered c/w Copper Pigtails

The "XX" defines the number of cylinders:

- 02 = 2 Cylinder (1 x 1)
- 04 = 4 cylinders (2 x 2)
- 06 = 6 cylinders (3 x 3)
- 08 = 8 cylinders (4 x 4)
- 10 = 10 cylinders (5 x 5)
- 12 = 12 cylinders (6 x 6)

Optional Reserve Manifold:

- M1-RESERVE-INTEL-OXY
- M1-RESERVE-INTEL-N2O
- M1-RESERVE-INTEL-NIT

Statement of Warranty

Patton's Medical warrants all Medical Air Manifolds, to be free of defects in material and workmanship under normal use for a period not to exceed thirty (30) months from date of shipment, or twenty-four (24) months from date of start-up