SPECIFICATION
973-ISC-XXX-LXL-N120

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. The controller “Lookback” feature (for cryogenic) reduces excess residual return by giving the remaining liquid time to build up pressure and returning to use that gas before giving the secondary in use alarm. This makes the Medical IntelliSwitch™ the perfect choice for healthcare and medical gas pipeline systems.



Power Requirements:	110 VAC
Maximum Inlet Pressure:	3,000 PSIG (210 BAR)
Inlet Connection:	1/2” FPT
Outlet Connection:	1/2” FPT
Filter:	40-micron
Temperature Range:	0 to 140°F (-18° to 60°C)
Weight:	112 lbs.

Flow Capacity:

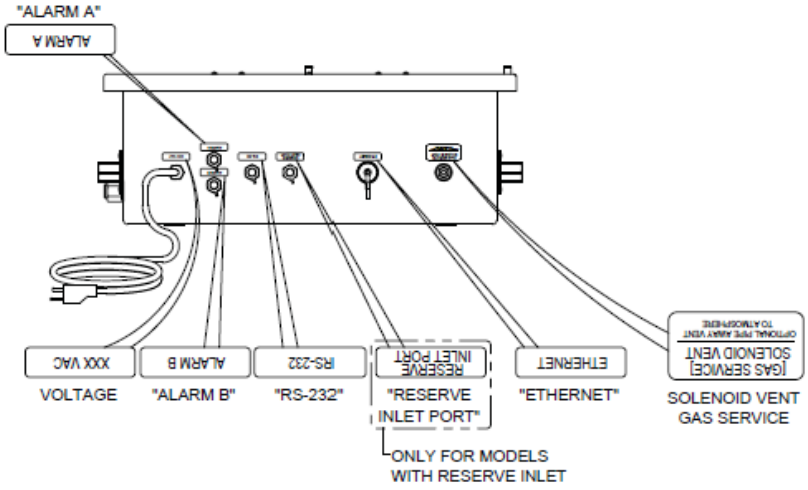
Cv = 1.0
1800 SCFH

Materials:

Bodies
Brass barstock
Seats
Viton®, Neoprene
Seals
PTFE, Neoprene and Viton®
Enclosure
Powder Coated Steel NEMA 12 Enclosure

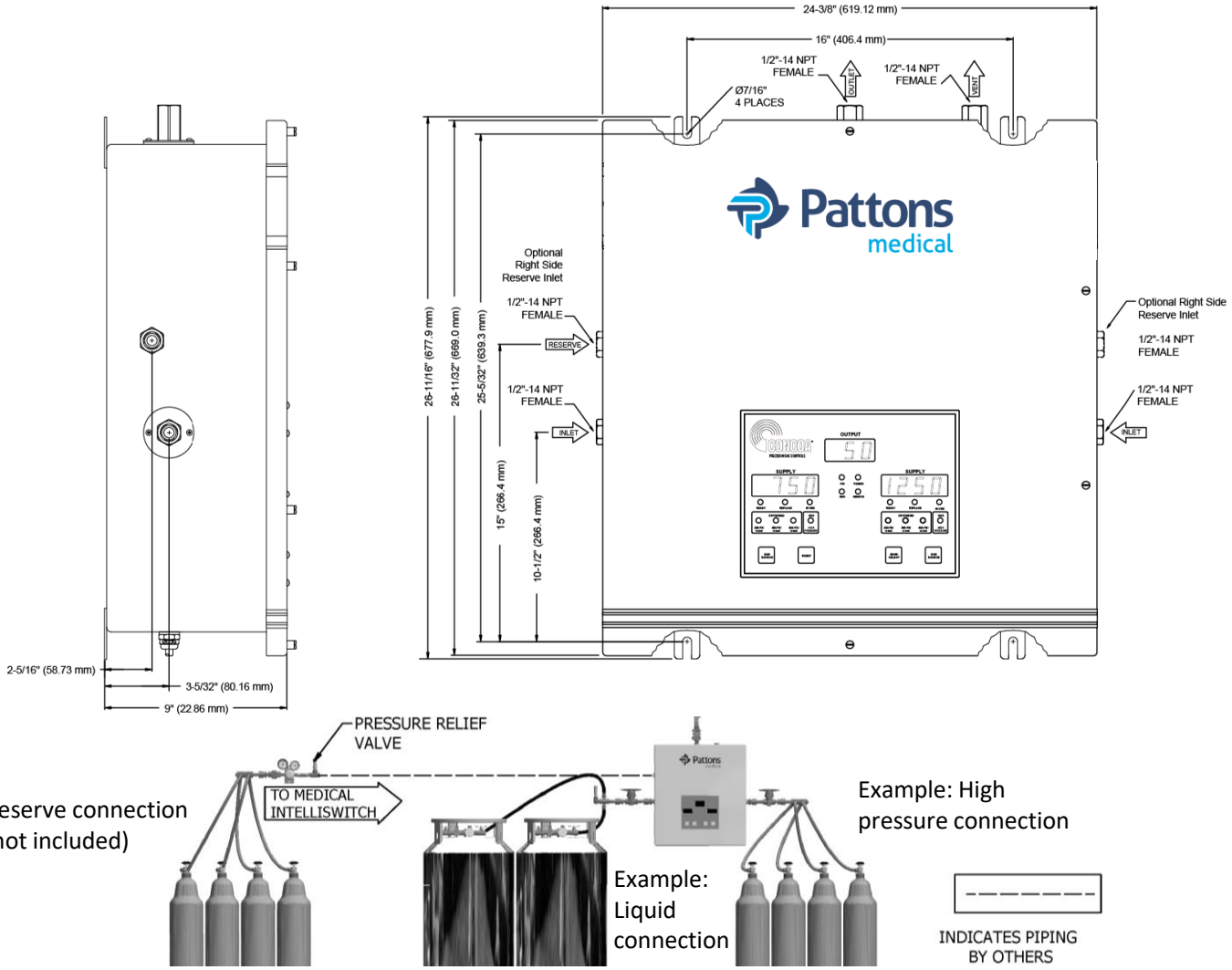
Features:

- Left side reserve inlet connection
- NEMA 12 enclosure
- Micro-processor control
- I-Link™ Webserver thru ethernet
- Remote monitoring option
- Low loss technology for cryogenic systems
  - Electronic economizer
  - Lookback feature with switchback delay
- Self-diagnosis software
- Dual Master alarm interface
- Button to manually alternate banks



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Technical Specifications:



Model Numbers

Manifold Cabinet: **973-ISC-XXX-LXL-N120**

Header-Bar Assembly: **975-XXX-XXX-XXX-0000**

The "XXX" Defines the Gases:	
Oxygen	= OXY
Nitrous Oxide	= N2O
Nitrogen	= NIT
Carbon Dioxide	= CO2
Medical Air	= AIR

HBC = High Pressure Copper
HBS = High Pressure Stainless
LIQ = Liquid

Header Bars
1: 1 Side only
2: 2 Header Bars

 # cylinder connections:
02 = 2 Cylinders
04 = 4 cylinders
06 = 6 cylinders
08 = 8 Cylinders
…
24 = 24 Cylinders

Note: OXY Cryogenic 230psi and 350psi only
Note: Reserve manifold is required per NFPA 99 if using liquid storage
Note: A heater is available for CO2 and N2O manifolds for high flowrate systems
Note: A hybrid liquid/high pressure system requires individual header bars per side

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