



Zone Valve Box



Installation Operation and Maintenance Manual

Model Number:	
Date Purchased:	
Purchased from:	

For further technical assistance, service or replacement parts, please contact:

Pattons Medical

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Safety Precautions

Pressurized air from the system may cause personnel injury or property damage if the unit is improperly operated or maintained. The operator should have carefully read and become familiar with the contents of this manual before installing, operating, and maintaining the product. The operator is expected to use common sense safety precautions, good workmanship practices and follow any related local safety precautions.

Pattons Medical explicitly excludes all responsibility and liability for damage and/or injury caused by failure to follow the instructions described in this manual, or by failing to pay necessary attention when operating handling or servicing this product, even if not specifically stated in individual cases.

1.0 General Information

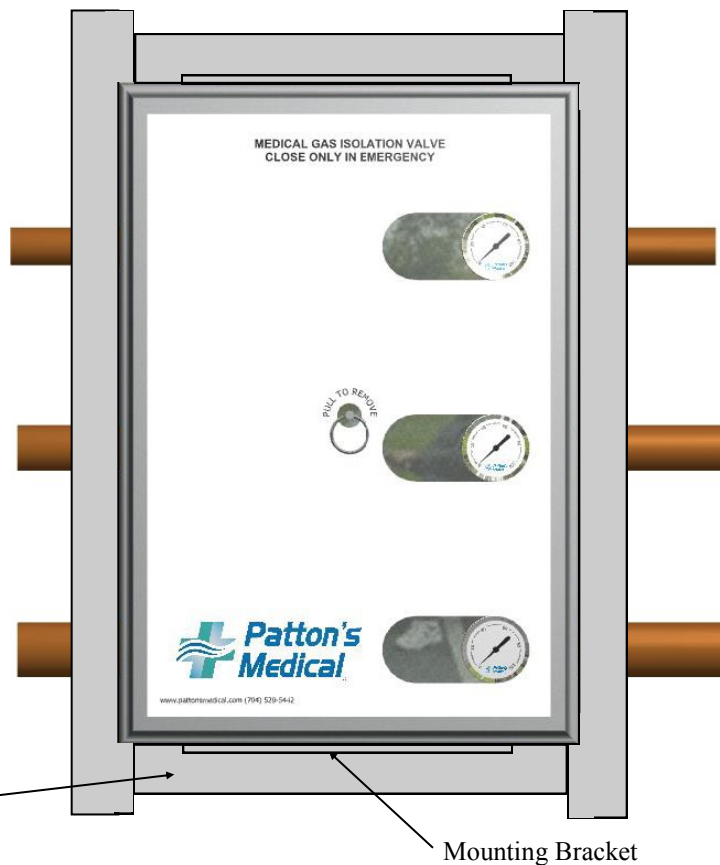
Zone valve box assemblies are assembled in single and multiple configurations. Assemblies should be installed in specified locations per NFPA 99 or CSA Z7396.1. All Valves Supplied are cleaned for oxygen. Care should be taken during installation to keep debris from entering valves and pipeline assemblies.

2.0 Installation

Allow sufficient space to accommodate the zone valve box. The rough-in of the zone valve box comes with a cardboard shield covering it's front. The cardboard shield will need to be removed to install the box but needs to be replaced before the walls are finished. **Anchor the valve box to the structural frame supports so that the front edge will be flush with the finished wall.** Box mounting height is suggested at 66" from floor to top of finished box. Box should be level and installed at a specified height and location on wall.

Note: The valve handles should point downstream for pressurized gases.

Structural
Frame
Supports
(Horizontal)

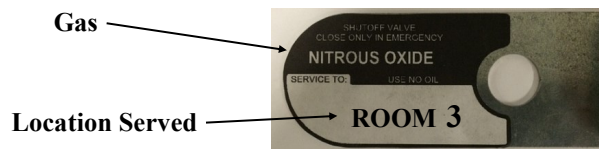


3.0 Brazing

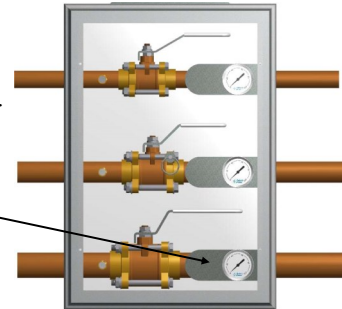
Braze tube extensions to piping per NFPA 99. Use heat sink techniques appropriate to protect the valve seals and sealing material in gauge port plug. Purge with oil-free dry nitrogen while brazing.

4.0 Gas Identification

Install the correct gas identification label to the label holders in box. Mark location serviced by each valve in the space below the gas label.



Label Holders



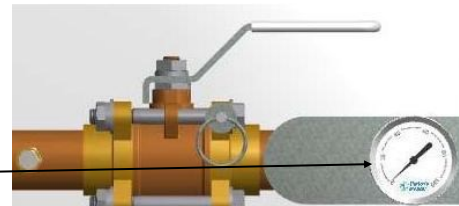
5.0 Pressure Test

Test each system per NFPA. After pressure test is finished replace cardboard shield until wall is finished to keep dust and debris out of box.

6.0 Gauge Installation

Remove cardboard shield (keep screws). Install Gauges (if required) after wall is finished using Teflon tape or oxygen compatible pipe sealant.

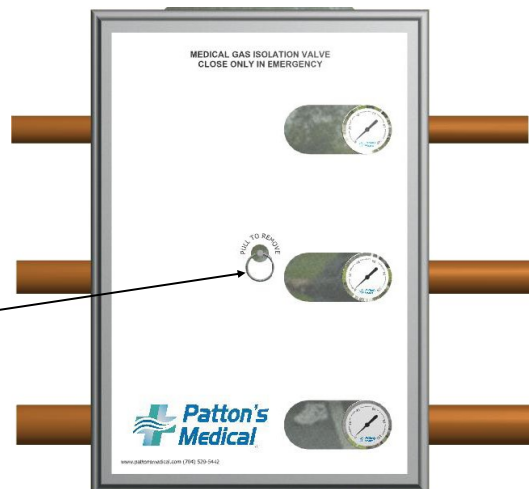
Gauge



7.0 Install Aluminum Frame

Pull ring to remove window from frame. Secure aluminum frame to box using screws from cardboard shield. Replace window into frame. Clean Window with soap and water, do not use strong solvents that will damage the window.

Pull Ring



NOTES:



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