

Submittal Data Sheet

**Project
Information**

Project Number _____ Approval _____

Features

- Meets NFPA 99 requirements
- Valves may be piped from left to right or right to left
- Valves are forged brass (not cast)
- All valves are dual gauge port full port ball valves
- 3 piece in-line repairable valves
- Adjustable packing with blow-out proof stem design
- Accommodate valve sizes from 1/2" to 2"
- Valves to have a working pressure of 600 psi (29 in/Hg vacuum)
- All valves cleaned for Oxygen service
- Plastic insulators to protect from galvanic corrosion
- Color coded labeling
- Provided with 1 1/2" diameter gauges

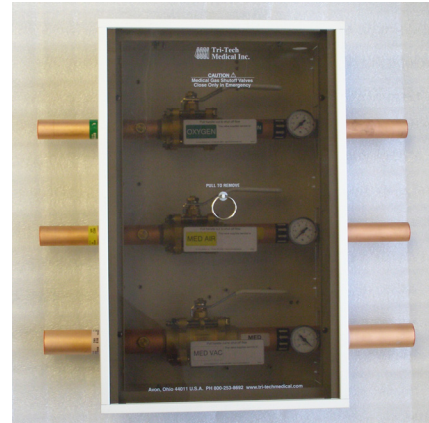
Specification

All zone valve boxes shall be the Tri-Tech Medical Z series and must be installed and tested in strict accordance with NFPA 99 standards and or any other local codes before use.

Valves – The valves shall be dual gauge port, forged brass, ball-type, with Teflon (TFE) seats and seals. All valves shall be rated at a working pressure of 600 psi (29 in/Hg vacuum) and shall be operated by a lever-type handle, requiring only a quarter turn from a fully open position to a fully closed position. Valves shall incorporate an adjustable packing and a blow-out proof stem. Only full port valves having flow rates comparable to equivalent size of pipe shall be used. Valves shall be able to be piped from left to right or right to left.

All valves shall be provided with type K copper tubing extensions to facilitate installation. Valves shall be 3 piece in-line repairable type. Each valve assembly shall be supplied cleaned for oxygen service in accordance with current CGA standards. The valve tube ends shall be capped and sealed in a protective container to prevent contamination prior to installation.

Gauges shall be 1 1/2" diameter for monitoring pressure and vacuum, and shall state: "USE NO OIL". Dual scale gauges are not acceptable for U.S.A. installations. A fully color coded label package shall be supplied with each valve box assembly for application by the installer.



*Shown above Z3G4O4A5V Three valve box with gauges
1" oxygen, 1" medical air, 1 1/4" vacuum*

Box – The valve box shall be 18 gauge sheet steel construction painted to prevent rust. A single box shall house from one to three valves. Boxes may be coupled with other boxes with a part # **ZV-801 zone valve box coupler kit**. Box shall be supplied with an adjustable plaster flange 1/2" to 1 1/8" for easy mounting.

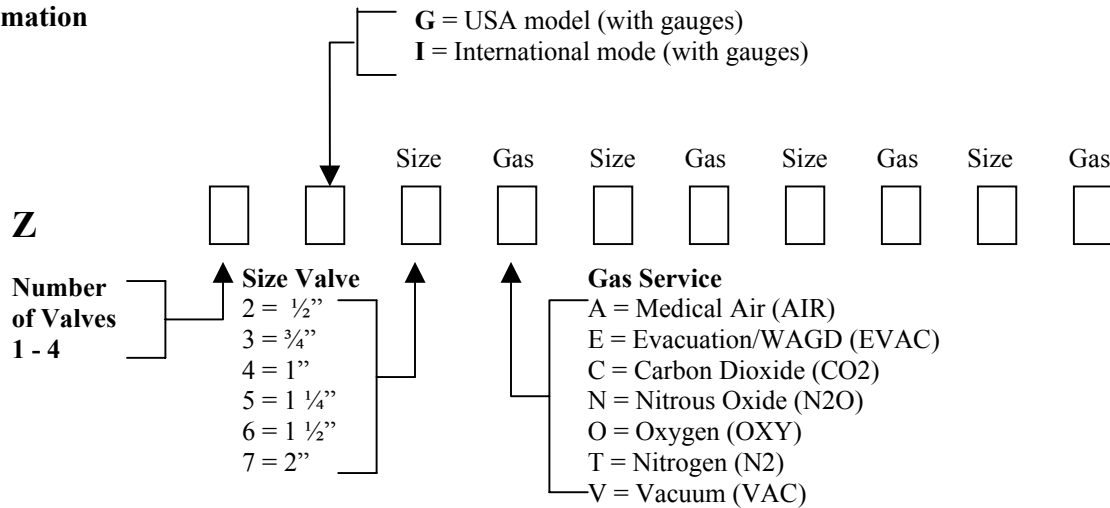
Window – Valve box assembly shall be supplied with a formed steel decorative frame painted white which encloses an easily removable flexible window. The window shall be a "smoked" translucent flexible plastic with a pull-out ring pre-mounted to the center of the window. The window shall not be replaceable while any valve is in an open position. Window shall be silk screened with the following statement "CAUTION: MEDICAL GAS SHUTOFF VALVES. CLOSE ONLY IN EMERGENCY."



*Shown left ZV-801 Zone
Valve Box Coupler Kit*

How to Order:

Part # Information



Note: In a 4 valve box, the maximum valve size is 3/4"

Examples:

Z3G2O2A3V

3 Gas zone valve box with gauges
1/2" Oxy, 1/2" Med Air, 3/4" Med Vac

Z2G2O4V

2 Gas zone valve box with gauges
1/2" Oxy, 1" Med Vac

Z4G2O2A2N3V

4 Gas zone valve box with gauges
1/2" Oxy, 1/2" Med Air, 1/2" N2O, 3/4" Med Vac

If you require a six valve box (with gauges USA) – you would order two, three valve boxes and a box coupler kit as follows:

Z3G2O2A2N + Z3G3T3E6V + ZV-801

Zone valve box with gauges 1/2" Oxy, 1/2" Med Air, 1/2" N2O	Zone valve box with gauges 3/4" N2, 3/4" Evac, 1 1/2" Med Vac	Zone valve box coupler kit
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