

V Series

Zone Valve Box

Submittal Data Sheet

Project
Information

Project Number _____ Approval _____

FEATURES

- › Meets NFPA 99 requirements
- › Valves may be piped left to right or right to left
- › 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 up to 8 valves 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
- › Full color coded labeling
- › Provided with 1 1/2" diameter gauges

SPECIFICATIONS

All zone valve boxes shall be the Tri-Tech Medical V 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 cast bronze, 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.

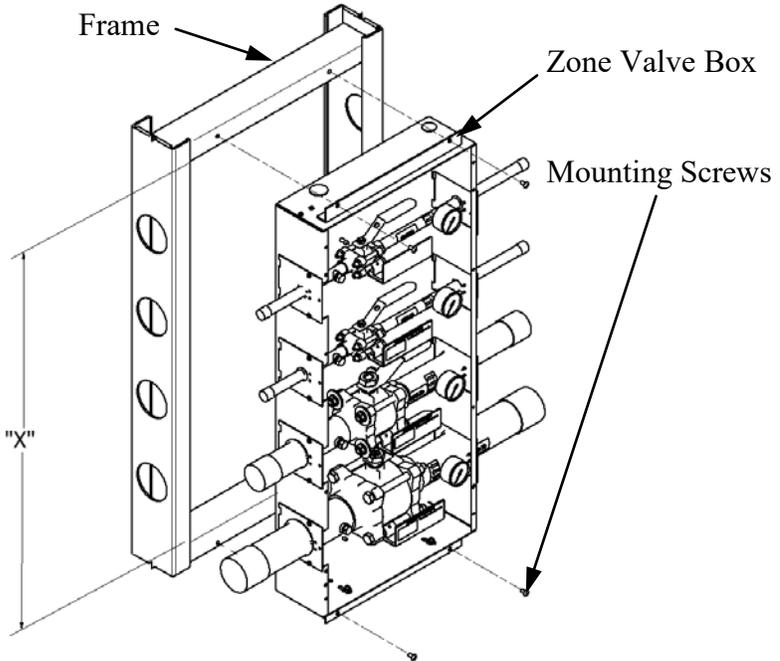
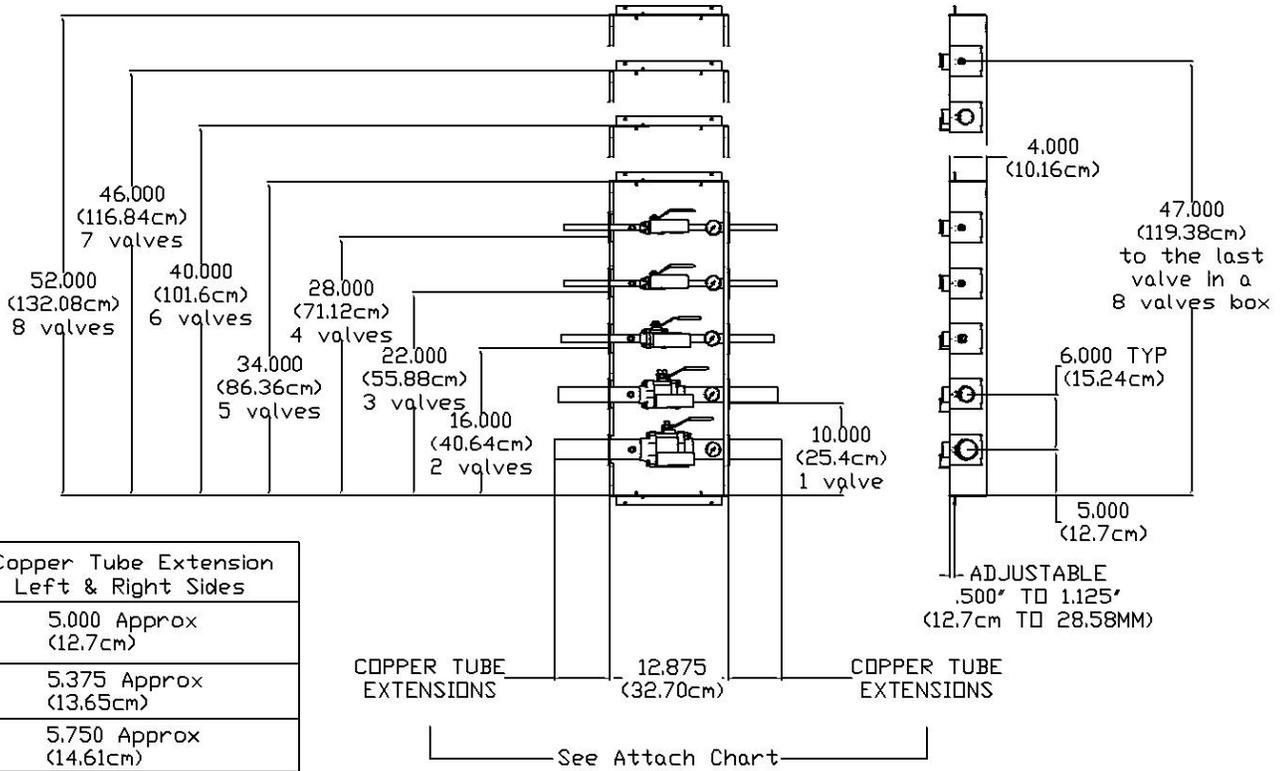
Gauges shall be 1 1/2" diameter for monitoring pressure and vacuum, and shall state: "USE NO OIL". Dual scale gauges are not acceptable for U.S.A. installations.



Shown above VU42A2N3O4V 4 valve box with gauges 1/2" Medical Air, 1/2" N2O, 3/4" Oxygen, 1" Medical Vacuum

Box – The valve box shall be 18 gauge sheet steel construction painted to prevent rust. A single box shall house from one to eight valves. 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 a closed position. Window shall be silk screened with the following statement "CAUTION: MEDICAL GAS SHUTOFF VALVES. CLOSE ONLY IN EMERGENCY."



Rough Opening Height Dimension for "X"

	IN	CM
1 valve	10.125	25.72
2 valves	16.125	40.96
3 valves	22.125	56.20
4 valves	28.125	71.44
5 valves	34.125	86.68
6 valves	40.125	101.92
7 valves	46.125	117.16
8 valves	52.125	132.40

