

## Submittal Data Sheet

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### Features

- Meets NFPA 99 requirements.
- Valves shall be piped left to right.
- All valves are three-piece in-line repairable full port ball valves.
- Blow-out proof stem design.
- Accommodate up to 7 valves sizes from 0.5" to 2".
- Valves to have a working pressure of 600 psi (29 in/Hg vacuum).
- All valves cleaned for Oxygen service.
- Full color coded labeling (one of each medical gas provided).
- Provided with 1.5" diameter gauges.

### Specification

The zone valve box shall be the Powerex ZVB series and must be installed and tested in strict accordance with NFPA 99 standards and or any other local codes before use.

The valves shall be three-piece, ball-type design with a forged brass body and a chrome plated, brass ball for sizes 0.5" to 2". Ball seats, stem seals, and stem washer shall be reinforced Teflon (PTFE), with Viton stem and flange o-rings. A blow-out proof stem shall be used and the valve shall have a maximum pressure rating of 600 psi (29in/Hg vacuum).

All valves shall be provided with type K copper tubing extensions to facilitate installation. Each valve assembly shall be supplied cleaned for oxygen service in accordance with current CGA standards. The valve tube ends shall be capped to prevent contamination prior to installation.

Each valve shall be provided with an identification bracket for the purpose of applying an approved medical gas identification label. A package of labels shall be supplied with each zone valve box for application by the installer.

Gauges shall be 1.5" diameter for monitoring pressure and vacuum.

Optional DISS gas specific sensor port is available for each valve.

The valve box shall be 14 gauge sheet steel construction painted to prevent rust. A single box shall house from one to seven valves. Box shall be supplied with an adjustable plaster flange .425" to 1.35" for easy mounting.



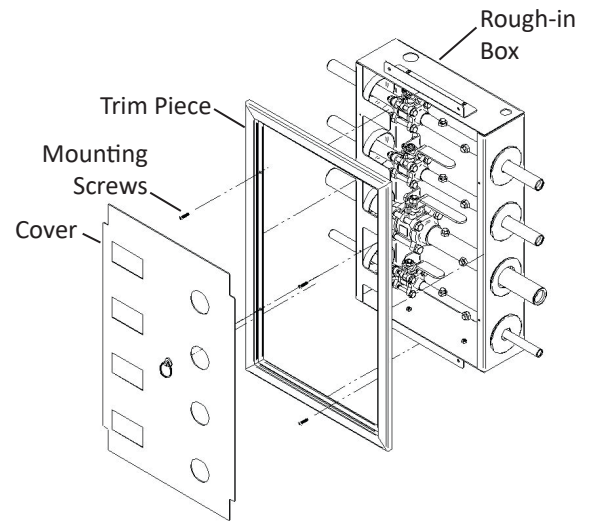
Shown above ZVB3ABF 3 valve box with 0.75", 0.75", and 2" valves

Valve box assembly shall be supplied with a white extruded plastic frame which encloses an easily removable flexible window. The window shall be opaque white flexible plastic with clear windows for gauge and gas label viewing 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 include the following statement: "MEDICAL GAS SHUTOFF VALVES. CAUTION: CLOSE ONLY IN EMERGENCY."

**Dimensions**

| Valve Count | Width (in) | Depth (in) | Height (in) | Top Valve Height from Bottom (in) |
|-------------|------------|------------|-------------|-----------------------------------|
| 1           | 13.12      | 4.16       | 11.25       | 2.5                               |
| 2           | 13.12      | 4.16       | 11.25       | 7.5                               |
| 3           | 13.12      | 4.16       | 16.00       | 12.36                             |
| 4           | 13.12      | 4.16       | 20.88       | 17.26                             |
| 5           | 13.12      | 4.16       | 25.75       | 22.13                             |
| 6           | 13.12      | 4.16       | 30.62       | 27.01                             |
| 7           | 13.12      | 4.16       | 35.50       | 31.88                             |

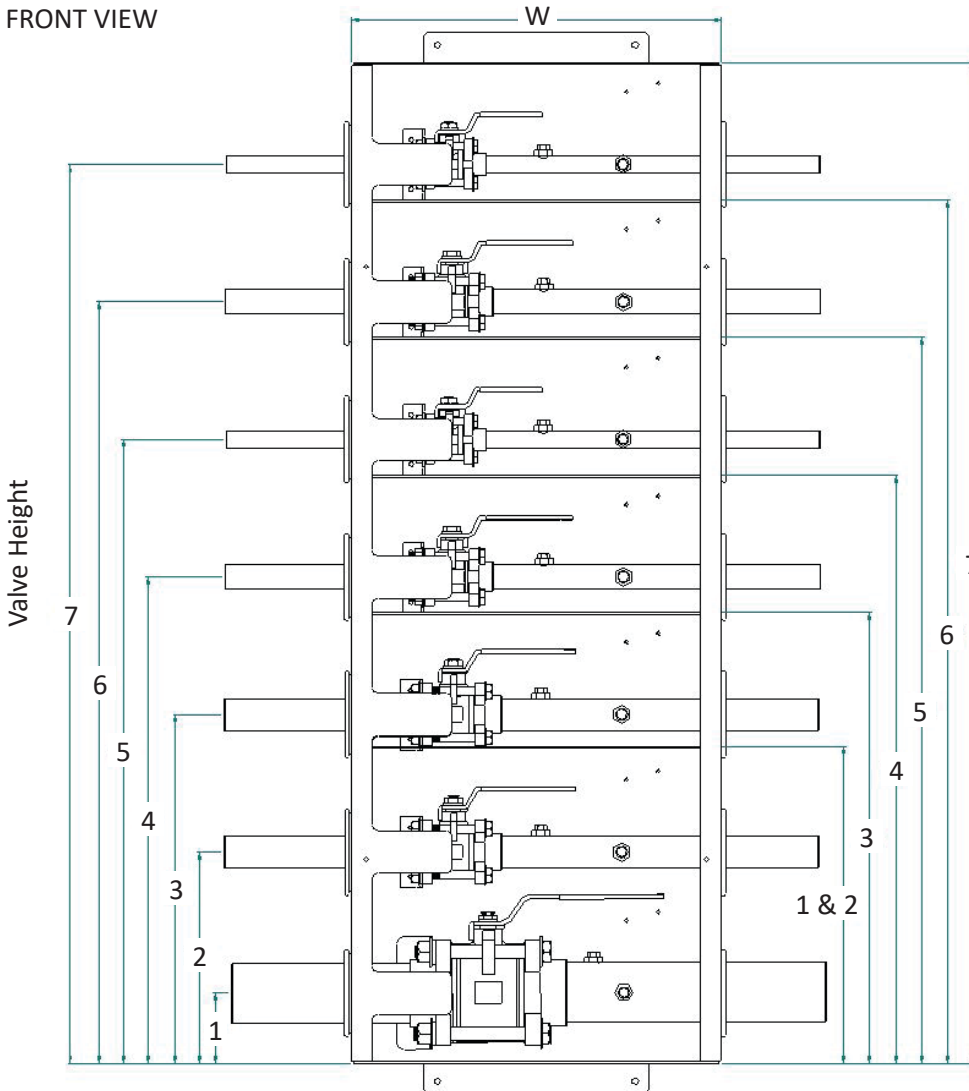
Copper Tube Extension Length: 4.10 ± .10 IN



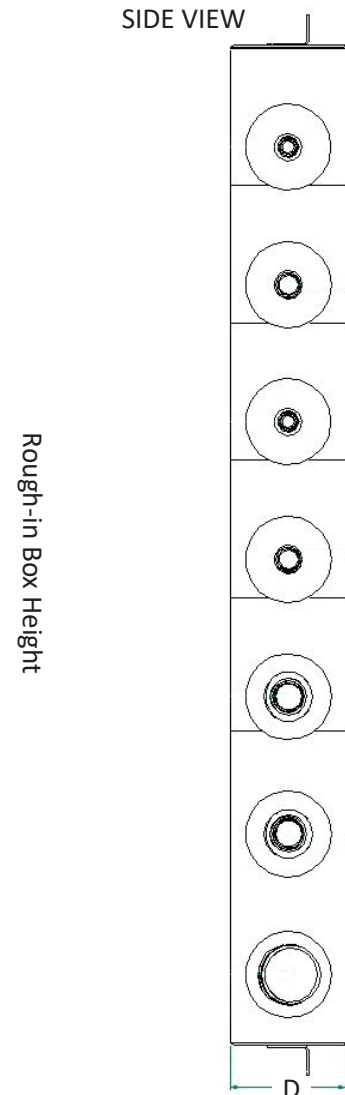
**Configurations**

Reference chart above for dimensions

FRONT VIEW

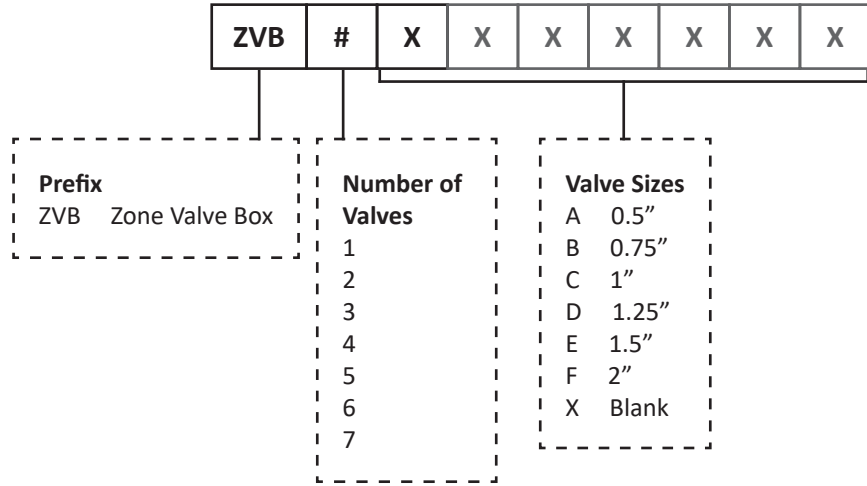


SIDE VIEW



**Ordering Information**

Fill in the blanks to specify the Zone Valve Box that meets your needs.



**Gauges**

**NOTE:** One gauge must be selected for each valve.

| Part Number | Description              | Gas Service           |
|-------------|--------------------------|-----------------------|
| GA730100AV  | 0-100 PSI Pressure Gauge | O2, Med Air, N2O, CO2 |
| GA730200AV  | 0-300 PSI Pressure Gauge | N2, Instrument Air    |
| GA730300AV  | 0-30 inHG Vacuum Gauge   | Med Vac, WAGD         |

**Sensing Kits**

Sensing Kits are optional and may be added to any valves.

| Part Number | Description                |
|-------------|----------------------------|
| SENSE-O2    | Oxygen Sensing Kit         |
| SENSE-AIR   | Medical Air Sensing Kit    |
| SENSE-VAC   | Medical Vacuum Sensing Kit |
| SENSE-N2    | Nitrogen Sensing Kit       |
| SENSE-N2O   | Nitrous Oxide Sensing Kit  |
| SENSE-WAGD  | WAGD Sensing Kit           |
| SENSE-INST  | Instrument Air Sensing Kit |
| SENSE-CO2   | Carbon Dioxide Sensing Kit |