

Zone Valve Box



Valve box with a pull-out window



Valve box with an aluminium door



General Specifications

- Zone valve box shall be Silbermann series.
- Each recessed/exposed zone valve shall consist of a steel valve box constructed of 1.5 mm steel sheet, complete with a backed enamel finish RAL 9016, which can house single or multiple shut-off ball valves with the tube extensions.
- Valves shall be a 3-piece forged brass and a 4 bolt design, bronze or brass body, stem, ball bolts and nuts shall be made of stainless steel, double seal, full port union ball-type, with Teflon (RPTFE) seats and Viton seals, with a pressure rating of 4080 kPa (600 psi) or 40.8 bars.
- Valves shall be operated by a lever-type handle requiring only a quarter turn from a fully opened to a fully closed position. All valves shall be equipped with type "K" washed and degreased copper pipe stub extensions of sufficient length to protrude beyond the sides of the box.
- All pipe stub extensions shall be supplied with suitable plugs or caps to prevent contamination of the assembly prior to installation.
- Each valve shall be supplied with a medical gas identification label.
- Valves shall be available with or without line pressure gauges, as required. Gauges, shall be 50 mm diameter.
- Pressure gauges shall read 0-1100 kPa (0-11 bar) for all gauges except Nitrogen, which shall read 0-2500 kPa (0-25 bar), and Vacuum, which shall read 0-100 kPa (0-760 mmHg).
- There are two front options: an aluminum door or a pull-out removable window.



Specifications - Valve box with a pull-out window

- Access to the zone shut-off valves shall be by pulling the ring assembly to remove the window from the doorframe. The window can be reinstalled without the use of tools only after the valve handles have been returned to the open position.
- The window shall be marked with the following silk screen: "CAUTION: MEDICAL GAS CONTROL VALVES. CLOSE ONLY IN EMERGENCY"
- The front frame assembly shall be constructed of anodized aluminum and shall be mounted to the back box assembly by screws as provided. A removable front shall consist of a clear polycarbonate window with a pullout ring pre-mounted to the center of the window.



Specifications - Valve box with an aluminium door

- Access to the zone shut-off valves shall be by unlocking the key and/or turning the handle on the aluminium door. The door can be closed only after the valve handles have been returned to the open position.
- The door shall be marked with the following note: "CAUTION: MEDICAL GAS CONTROL VALVES. CLOSE ONLY IN EMERGENCY"
- The front frame assembly shall be constructed of anodized aluminum and shall be mounted to the back box assembly by screws as provided. The box facade shall consist of a metal front door with a locking key and non breakable window for viewing the gauges.

Medical Gas Sysytem Standards:

- NFPA99, EN ISO 7396-1 & G-01 requirements.

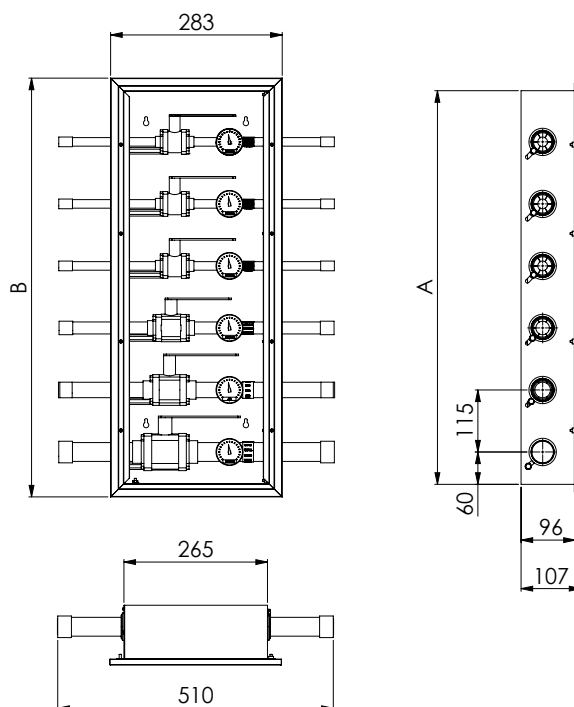
Silbermann's Quality Management System:

- EN ISO 13485-2016; ISO 9001-2015.
- CE marked by the notified body TÜV-SÜD.





Dimensions [mm]



Number of Valves	Size of Valves	Dimensions of Valve Box (mm)	
		A	B
1-2	1/2" - 1 1/2"	290	308
3-4	1/2" - 1 1/2"	520	538
5-6	1/2" - 1 1/2"	750	768

* If a 2" valve is required, please contact Silbermann engineering department.