

Combo Unit

With Triple Ports



General Specifications:

Sensor Provision Zone Indicator Panel shall be an Amico Alert-1 series.

The recessed back box shall be constructed of 18-gauge steel and finished with a baked white enamel coating. Two adjustable steel mounting brackets shall be affixed to opposite sides of the enclosure to facilitate attachment to the structural supports. The mounting brackets shall accommodate finished wall thicknesses ranging from 3/8 in. (9.5 mm) to 1-3/16 in. (30 mm) and shall be field adjustable to suit installation requirements.

Each recessed sensor provision zone indicator panel shall accommodate one to seven zone shut-offs with type "K" copper tube extensions, an anodized aluminum frame assembly, and a removable pull-out window.

Pressure gauge options shall be available in 100 psi, 300 psi, or 30 inHg, as required for the applicable gas or vacuum service. Terminal strips shall be factory-installed within the enclosure. Sensors and DISS fittings shall be included with the purchase of the associated alarm panel.

The frame assembly shall be constructed of anodized aluminum and secured to the back box using the supplied #6 × 3/8 in. tapping screws.

The removable front shall consist of an opaque window equipped with a pull-out ring mounted at the center of the window for easy removal.

Access to the zone shut-off valves shall be provided by pulling the ring assembly and removing the window from the frame. No tools shall be required for normal access. The window shall be designed so that it can be reinstalled only after all zone shut-off valve handles have been returned to the fully open position. Reinstallation of the window shall not require the use of tools.

The window shall be clearly marked with the following silk-screened caution to prevent unauthorized personnel from tampering with the sensor provision zone indicator panel:

"MEDICAL GAS CONTROL VALVES. CLOSE ONLY IN EMERGENCY"

The zone shut-off valve shall be of a three-piece, ball-type design, constructed with a forged brass body and chrome-plated brass ball for sizes 1/2" through 3" [1.3 cm through 7.6 cm]. Ball seats, stem seals, and stem washers shall be manufactured from reinforced PTFE (Teflon), with Viton stem and flange O-rings. The valve shall incorporate a blowout-proof stem and shall be rated for a maximum working pressure of 600 psi or for vacuum service to 29 in. Hg.

Each valve assembly shall be equipped with three 1/8" NPT ports, each fitted with a brass hex-head plug. One port shall be located downstream of the valve for connection of a pressure or vacuum gauge, one port shall be provided for a DISS connection to the gas sensor, and one port shall be located upstream of the valve for purging during the brazing process. All valves shall be in-line serviceable, permitting maintenance without removal of the valve assembly from the pipeline, and shall be operated by a lever-type handle requiring a quarter-turn (90°) between the fully open and fully closed positions.

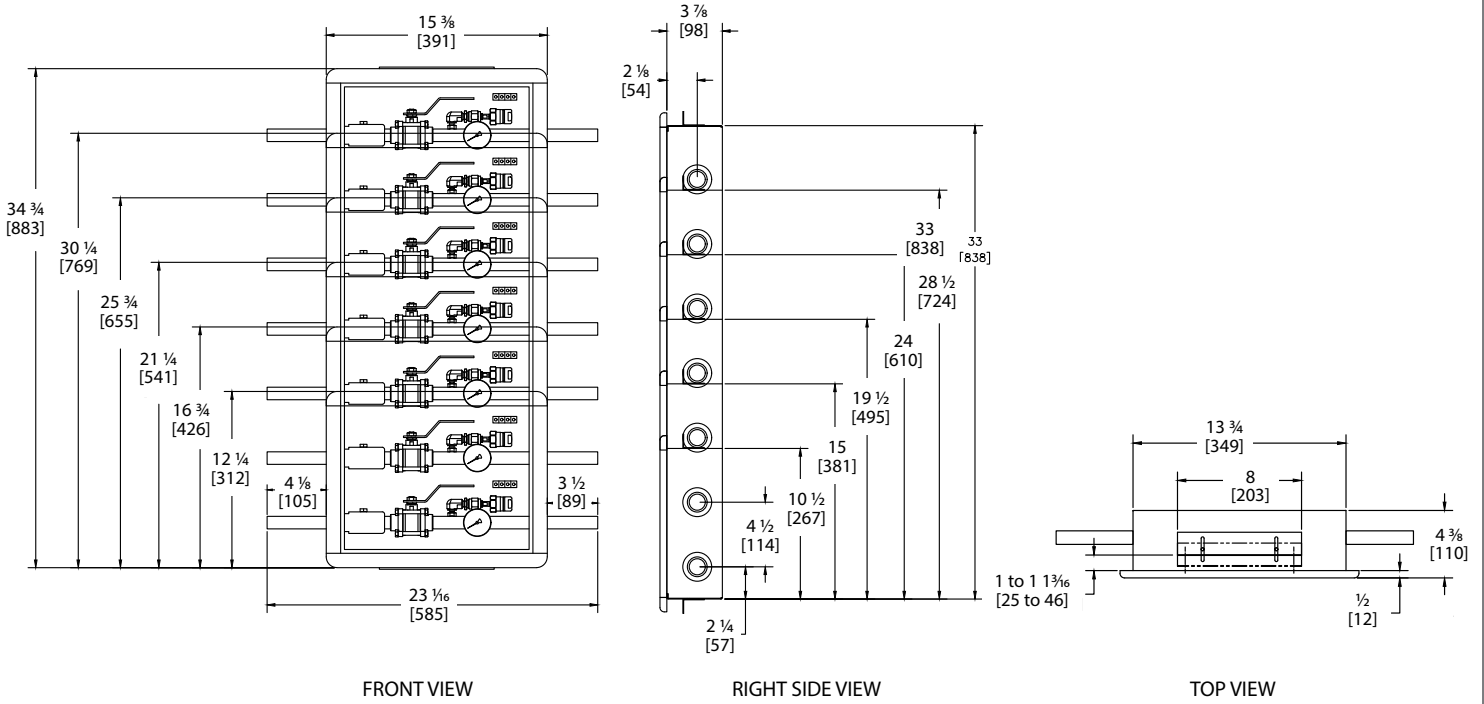
Ball valves shall be equipped with Type "K" copper pipe stub extensions at both the inlet and outlet to facilitate connection to the pipeline. Each valve assembly shall be cleaned and degreased for oxygen service in accordance with CGA G-4.1, with all pipe stub extensions suitably capped or plugged to prevent contamination. Following cleaning, the complete valve assembly shall be individually sealed in a protective plastic bag to maintain cleanliness and prevent contamination during storage and handling prior to installation.

Amico products comply with NFPA 99.

Technical Specifications

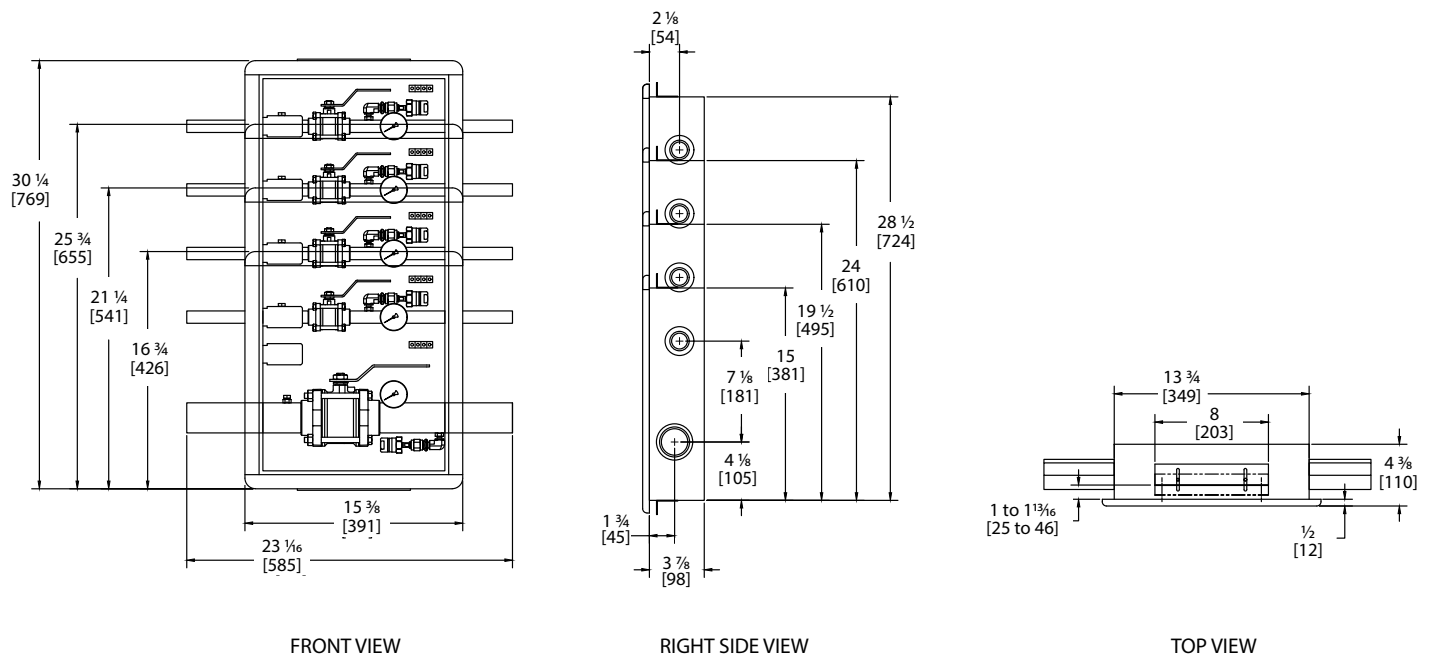
1/2" - 1-1/2" Zone Indicator Panel Box Assembly

Inch
[mm]



2" Zone Indicator Panel

Inch
[mm]

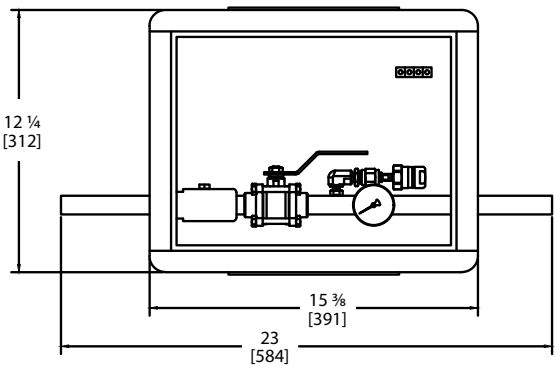


Technical Specifications

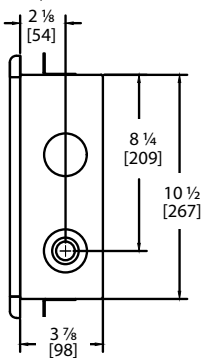


1/2" - 1-1/2" Zone Indicator Panel Box Assembly

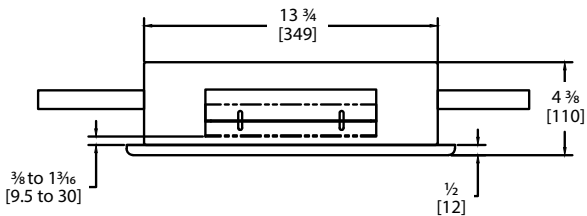
Inch
[mm]



FRONT VIEW



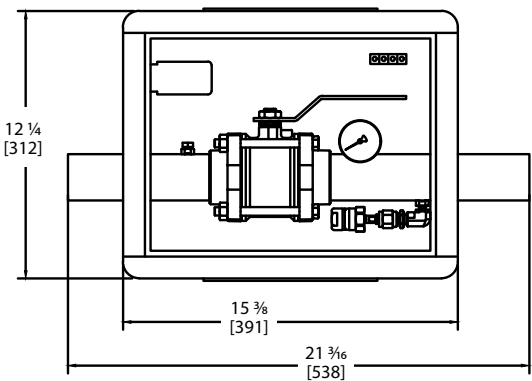
RIGHT SIDE VIEW



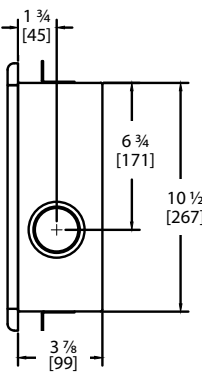
TOP VIEW

2" Zone Indicator Panel Box Assembly

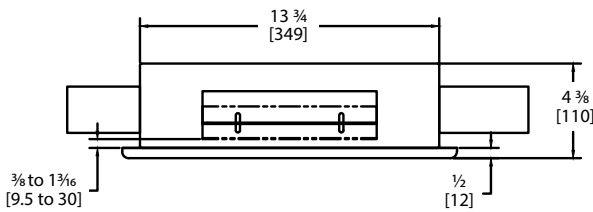
Inch
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FRONT VIEW



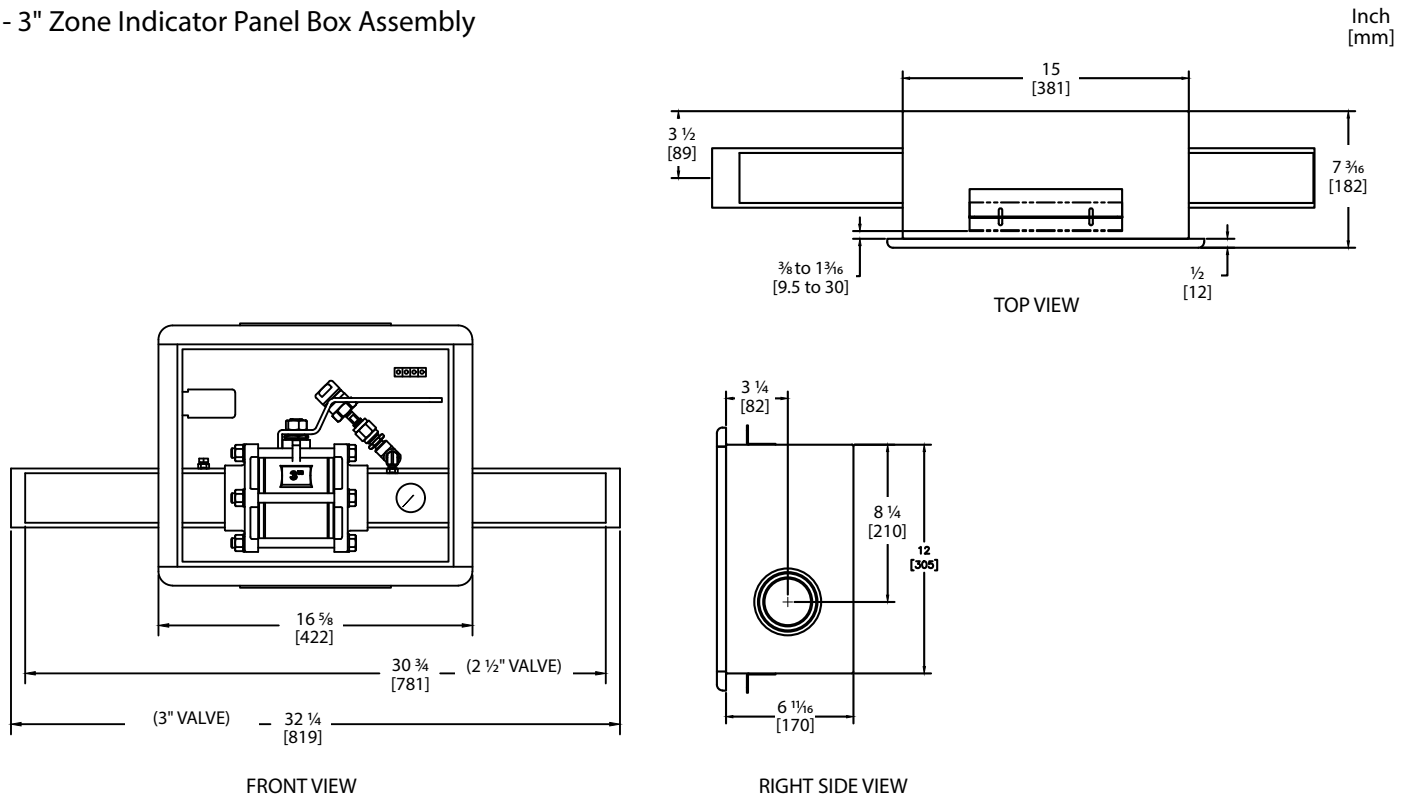
RIGHT SIDE VIEW



TOP VIEW

Technical Specifications

2½" - 3" Zone Indicator Panel Box Assembly



Model Numbers

ZIL3-PXXXXXXX

The Letter "L" Defines the Language:

English (NFPA) = U
Spanish (NFPA) = S

Available Gauges:

V-X-GAUGE-100
V-X-GAUGE-300
V-X-GAUGE-VAC

The Letter "X" Defines the Valve Size:

½" [1.3 cm] = 1
¾" [1.9 cm] = 2
1" [2.5 cm] = 3
1-¼" [3.2 cm] = 4
1-½" [3.8 cm] = 5
2" [5.1 cm] = 6

Only Available in a Single Box:

2-½" [6.35 cm] = 7
3" [7.62 cm] = 8

NOTE:

A2P-AVC-ELBOW

⅛" NPT street elbow, used between sensor DISS fittings and zone shut-off is included, but not attached.

- Terminal strips are provided and installed, DISS demand checks and sensors are provided with alarm.
- The 1-½" zone shut-off will require an empty space above.

Example: A box with ½", ¾" and 1-½" will require a 4 hole box not a 3 hole box.

- The 2" zone shut-off shall be positioned on the bottom of the assembly. Refer to 2" zone indicator panel drawing.
- When comparing height measurements, consider the gap above the 2" zone shut-off.

Example: A box with ½", ¾" and a 2" would be in a 3 gang 3-⅞" deep box, which would be the same height as the 4 gang 3-⅞" box.