

# Indicator Panel Box NFPA



## General Specifications:

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

Each recessed zone indicator panel box shall consist of the following components: A steel box which can house two to seven zone shut-offs with tube extensions, an aluminum frame and a pull-out removable window. Gauges are included.

The indicator panel box shall be constructed of 18 gauge steel complete with a baked white enamel finish. Affixed to the opposite sides of the box will be two adjustable steel brackets for the purpose of mounting the box to the structural support. The steel brackets shall accommodate various finished wall thicknesses between 3/8" (9.5 mm) and 1-3/16" (30 mm) and shall be field adjustable.

The frame assembly shall be constructed of anodized aluminum and shall be mounted to the back box assembly by standard #6 \* 3/8" tapping screws as provided. The removable front shall consist of a window with a pull-out ring pre-mounted to the center of the window.

Access to the zone shut-offs shall be by merely pulling the ring assembly to remove the window from the frame. The window can be reinstalled without the use of tools only after the shut-off handles have been returned to the open position.

The window shall be marked to prohibit unauthorized people from tampering with the zone indicator panel with the following silk-screen caution:

**"MEDICAL GAS CONTROL VALVES CLOSE ONLY IN EMERGENCY"**

The zone shut-offs shall be 3 piece, ball-type design with a brass forging body and a chrome plated, brass ball for sizes 1/2" 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 zone shut-off shall have a maximum pressure rating of 600 psi (4,137 kPa). All zone shut-offs materials shall be compatible with medical gases or vacuum service to 29" Hg (98.205 kPa).

Zone shut-offs shall be operated by a lever-type handle requiring only a quarter turn from a fully open position to a fully closed position.

All zone shut-offs shall be equipped with type "K" washed and degreased copper pipe stub extensions of sufficient length to protrude beyond the sides of the box.

Each shut-off shall be supplied with an identification bracket which shall be riveted to the zone indicator panel box for the purpose of applying an approved medical gas identification label. A package of labels shall be supplied with each Zone Indicator Panel box assembly for application by the installer.

Amico products comply with NFPA 99.

## Project

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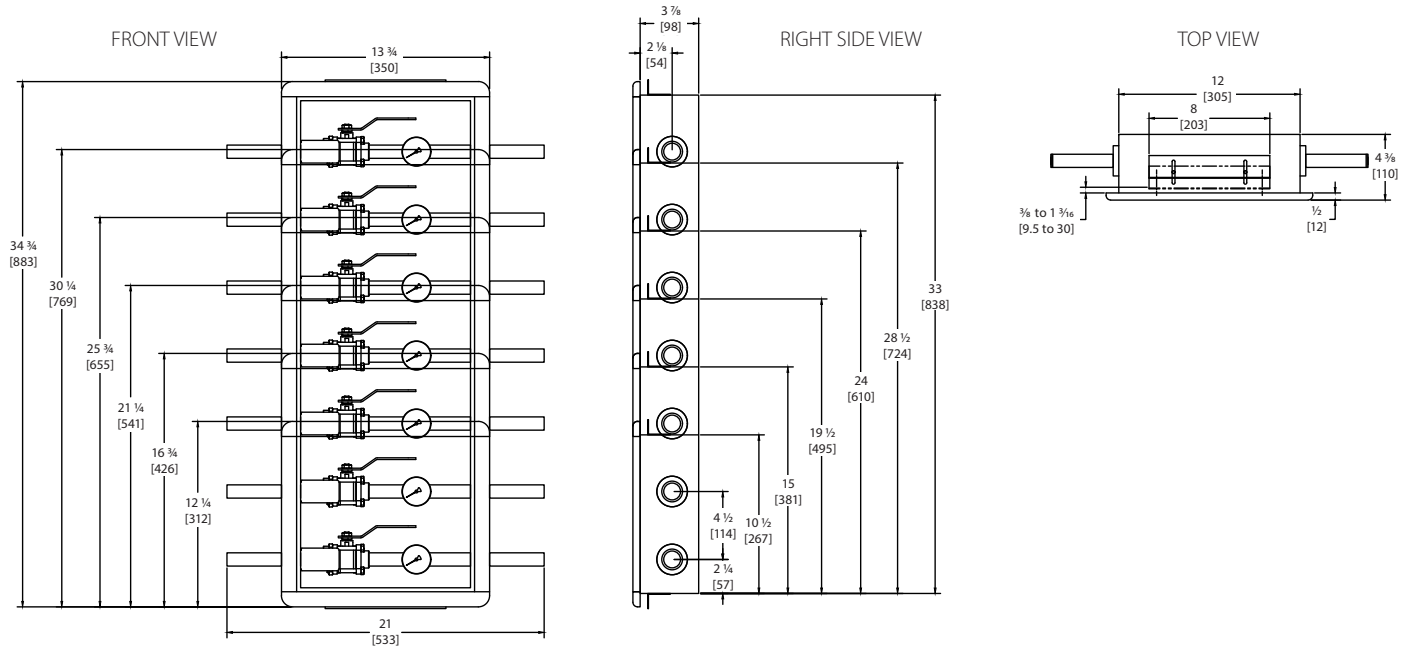


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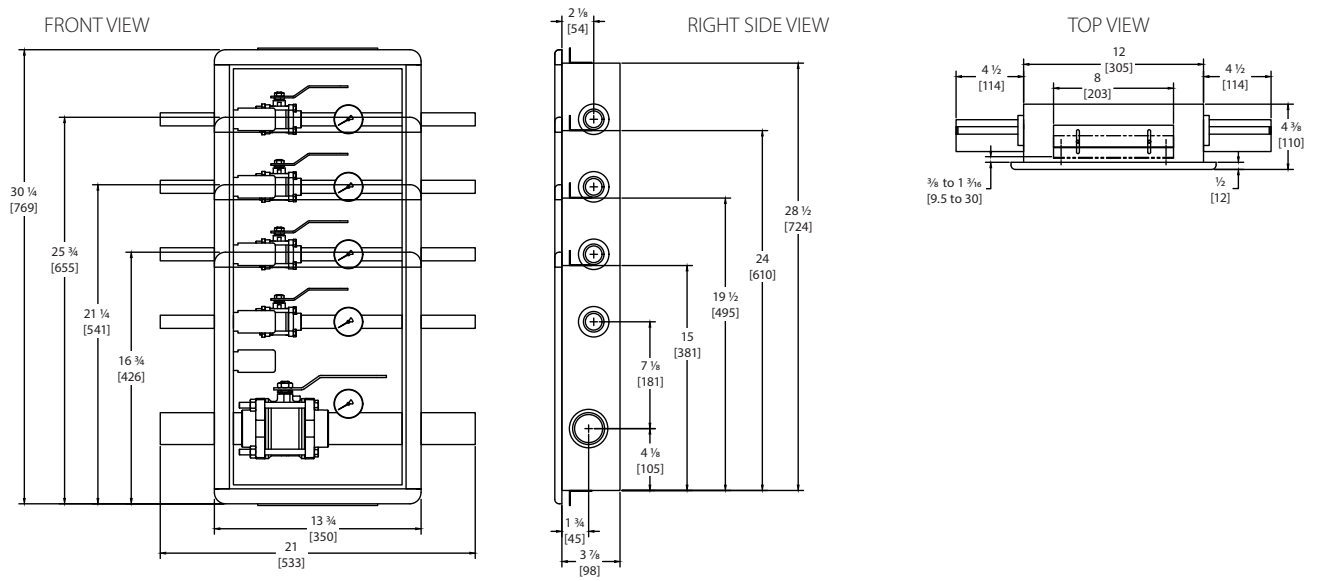
# Technical Specifications

For 1/2" To 1 1/2" Zone Indicator Panel Box Assembly

Inch  
[mm]



For 2" Zone Indicator Panel Box Assembly



# Model Numbers

**ZIL-MXXXXXXXX**

The Letter "L" Defines the Language:  
 English (NFPA) = U  
 Spanish (NFPA) = S

Monitoring (with gauge) = M

Replace "X" with the Size Required:

1/2"	=	1
3/4"	=	2
1"	=	3
1-1/4"	=	4
1-1/2"	=	5
2"	=	6

**Example:**

Triple box with gauge; English (NFPA); 1/2", 3/4" and 1-1/4" zone shut-off; Monitoring = **ZIU-M124**

**NOTES:**

All zone shut-offs are full port.

Shut-offs 1-1/2" and 2" will have an empty space above the shut-off.

Only one 2" per assembly.

Please refer to the "Single Zone Indicator Panel Assembly" spec sheet for 2-1/2" and 3" assemblies.

**Example:**

A box with a 1/2", 3/4" and 1-1/2" shut-off will require a 4 hole box not a 3 hole box.

The 2" shut-off will be assembled in a 3-7/8" deep box and shall accommodate up to a maximum of 5 gases.

The 2" shut-off shall be positioned on the bottom of the assembly. Refer to 2" Zone Indicator Box Assembly drawing on page 2.