

## TECHNICAL SPECIFICATION

### EXPLOSION-PROOF ONE-WAY PAGING HORN MODEL V-1039A



#### FEATURES:

- Solid Metal Housing
- Weather-Resistant
- UL Listed
- Includes V-1092 Volume Control
- Heavy Duty Steel Mounting Bracket



#### DESCRIPTION:

Used for high-efficiency reproduction of voice and electronic signals in an explosive or flammable environment. These Explosion-proof horns are UL Listed approved for use in Class 1, Division 1, Group C & D and Gas Atmospheres. The horn includes a fiberglass projector, built-in 7-watt amplifier, and mounting bracket. Common applications include grain mills, service stations and refineries.

#### Specifications

##### SOUND PRESSURE LEVELS

>115 dB at 4 feet

##### FREQUENCY RESPONSE

250 Hz to 12 kHz

##### DISPERSION

120° Horizontal and 60° Vertical

##### AMPLIFIER MODULE

**Rated Output:** 7-Watts

**Impedance:** 600 Ohms

**Power Supply:** -24 Vdc nominal, positive ground

**Operating Current:** 1 Amp at -24 Vdc

##### HOUSING AND FINISH

The horn is constructed of polycarbonate material. The driver is all metal construction with gray epoxy finish.

##### ENVIRONMENT

**Temperature:** -4 to +131°F (-20 to +55°C)

**Humidity:** -0-95% Non-Condensing

##### DIMENSIONS AND WEIGHT

6.0 "H x 14.0 "W x 17.5 "D (15.24 cm x 35.56 cm x 44.45 cm)

**Weight:** 19.0 lbs (8.55 kg) **Shipping Weight:** 21.5 lbs (9.675 kg)

##### MOUNTING

Removable Steel Bracket.

#### ARCHITECTS' AND ENGINEERS

The Explosion Proof Horn, Model V-1039A shall be a high efficiency, re-entrant explosion proof horn. It shall be equipped with a removable compression driver. A removable steel mounting bracket allows easy positioning in the vertical and horizontal planes.

The frequency response of the horn shall be 250 Hz to 12 kHz. Dispersion shall be 120° horizontal and 60° vertical. Sound pressure level shall be greater than 115 dB @ 4 feet on axis.

The explosion paging horn shall be equipped with a built-in amplifier. Amplifier output is 7 watts. Input impedance shall be 600 ohms nominal. The amplifier shall operate on a -24 Vdc, positive ground power supply. Operating current shall be 1.0 Amp at -24 Vdc. Operating temperature shall be -4 to 131 °F (-20 to 55 °C). Operating humidity shall be 0-95% noncondensing.

The bell housing shall be constructed of polycarbonate material. The driver shall be all metal construction with a gray epoxy finish. Dimensions shall be 6.0 "H x 14.0 "W x 17.5 "D (15.24 cm x 35.56 cm x 44.45 cm). The weight shall be 19.0 lbs (8.62 kg).

Warranty information may be found on our website at [www.valcom.com/warranty](http://www.valcom.com/warranty).