

**TECHNICAL SPECIFICATION**  
**ONE-WAY FLEXHORN™**  
**MODEL V-1080**



**FEATURES:**

- Weather-Proof
- All Stainless-Steel Hardware
- Flexible Mounting: Recessed & Surface
- Mounting Bracket Included
- Faceplate and Vandal Resistant
- Mounting Box Available Separately



**DESCRIPTION:**

The Flexhorn is a one-way amplified horn speaker. Complete with speaker amplifier, built-in volume control and mounting bracket. The horn is weather proof and can be used indoors or outdoors in environments ranging from -4 to +131°F (-20 to +55°C). The Flexhorn may be mounted to walls using the supplied universal bracket; mounts to steel "I" beams using the supplied "C" clamp or flush mounted in a wall.

**Specifications**

**SPEAKER**

3.5" (8.9 cm)

**INPUT**

**Impedance:** > 600 Ohms nominal

**Signal Level:** -10 dBm line level

**OUTPUT**

**Rating:** 108 dB @ 4' (1.22m)

**Signal/noise ratio:** -70 dB

**FREQUENCY RESPONSE**

400 Hz - 10 kHz

**POWER REQUIREMENTS**

200 mA @ 24 Vdc

**VOICE COIL**

.75 dia. (1.9 cm), 45 Ohm

**DISPERSION ANGLE**

120° Horizontal 90° Vertical

**HOUSING AND FINISH**

Constructed with filled polypropylene Available in White (W), Gray (GY) Beige (BGE) Bracket fabricated with 16 AWG CRS and finished with black weather resistant E-Coat. All hardware is stainless steel.

**ENVIRONMENT**

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

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

**DIMENSIONS AND WEIGHT**

6.8 "H x 8.3 "W x 3.3 "D (17.272 cm x 21.082 cm x 8.382 cm)

**Weight:** 2.1 lbs (0.945 kg) **Shipping Weight:** 2.5 lbs (1.125 kg)

**ACCESSORY PRODUCTS**

V-9805 Vandal Resistant Mounting Box and Faceplate

V-9806 Faceplate

## **ARCHITECTS' AND ENGINEERS**

The V-1080 Flexhorn shall consist of a high efficiency re-entrant type weather-proof horn, built-in amplifier with > 600-ohm input impedance and built-in volume control. It shall be equipped with a universal mounting bracket, volume control and an "I" beam clamp.

The frequency response of the horn shall be 400 Hz to 10 kHz. The horn shall have a continuous power rating of 3 watts. Dispersion shall be 120 degrees horizontal and 90 degrees vertical.

The housing shall be constructed of filled polypropylene and be available in gray, white or beige. All hardware shall be stainless steel. The universal bracket shall be constructed of 16 awg CRS and finished with a weather resistant black E-Coat.

The amplifier shall have a frequency response of 400 Hz to 10 kHz. Amplifier audio impedance shall be > 600 ohms. Amplifier audio input shall be -10 dBm line level at rated output of 4 watts RMS. Signal to noise ratio shall be -70 dB.

The amplifier shall operate on a -24 Vdc nominal, positive ground power supply. Operating current shall be 200 mA at -24 Vdc. Operating temperatures shall be -4 to +131°F (-20 to +55°C).

A screwdriver adjustable volume control shall be provided on the unit. This volume control shall be externally accessible, making it possible to adjust the volume control without removal of the unit.

Dimensions of the horn shall 6.8 "H x 8.3 "W x 3.3 "D (17.272 cm x 21.082 cm x 8.382 cm). The weight shall be 2.1 lbs (0.945 kg).

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