

# Technical Specifications

## V-1080 FlexHorn™

- Built-in amplifier & volume control
- One-way paging
- All Stainless-Steel Hardware
- Flexible Mounting: Recessed & Surface
- Mounting Bracket Included
- Faceplate and Vandal Resistant  
Mounting Box Available Separately
- Quick and easy installation
- Available in beige (-BGE), gray (GY) and white (-W)
- Indoor/outdoor use



*Self-amplified one-way  
3-Watt*

### Description:

The V-1080 FlexHorn is a 3-Watt, self-amplified paging, compact horn designed to provide voice paging and background music. Suitable for low ceilings and areas with low to moderate noise levels. It is an ideal solution for settings such as car washes, operating rooms and food processing plants.

## SPECIFICATIONS

### SPEAKER ELEMENT

3.50in (8.90cm)

Voice coil: 0.75in Dia (1.90cm), 45 Ohm

### INPUT

Impedance: > 600 Ohms nominal

Signal level: -10 dBm line level

### OUTPUT

Rating: 108 dB @ 4ft (1.22m)

Signal/noise ratio: -70 dB

### POWER REQUIREMENTS

200 mA @ 24 Vdc

### FREQUENCY RESPONSE

400 Hz - 10 kHz

### DISPERSION

120° horizontal and 90° vertical

### ENVIRONMENT

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

Humidity: 0 to 95% non-condensing

### HOUSING AND FINISH

Constructed with high impact ABS. 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.

### DIMENSIONS AND WEIGHT

6.80in H x 8.30in W x 3.30in D  
(17.27cm x 21.08cm x 8.38cm)

Weight: 2.10lbs (0.95kg)

Shipping Weight: 6.60lbs (2.97kg)

### MOUNTING

The FlexHorn may be mounted to walls using the supplied universal bracket; mounts to steel "I" beams using the supplied "C" clamp or recessed mounted flush in a wall.

### ACCESSORIES

V-9805 Vandal-Resistant Mounting Box and Faceplate

V-9806 Faceplate

2022 Rev 7.7.18

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## ARCHITECTS AND ENGINEERS

The FlexHorn, model V-1080, shall consist of a high-efficiency type horn, built-in amplifier, volume control, universal mounting bracket and "I" beam clamp.

The V-1080 FlexHorn speaker element shall be 3.50in (8.90cm). Voice coil diameter shall be 0.75in (1.91cm). Voice coil impedance shall be 45 Ohm. Dispersion shall be 120 degrees horizontal and 90 degrees vertical. The V-1080 operating temperature shall be -4 to +131 °F (-20 to +55 °C).

The V-1080 FlexHorn 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.

The V-1080 Flexhorn shall be constructed of high impact ABS plastic. The bracket shall be fabricated with 16 AWG RS and finished with

black weather resistant E-Coat. All hardware is stainless steel. The V-1080 shall be available in three colors, beige (-BGE), gray (-GY) and white (-W). 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. The V-1080 shall be suitable for indoor/outdoor applications.

The V-1080 is designed for recessed or surface mounting. Recessed mount can be mounted into a wall, surface mount can be mounted to a wall or ceiling using the adjustable mounting bracket (included) or to steel "I" beams using a "C" clamp (included). For vandal-resistant mounting, use the optional V-9805 Vandal-Resistant Enclosure

The maximum dimensions shall be: 6.80in H x 8.30in W x 3.30in D (17.27cm x 21.08cm x 8.38cm). Weight shall be approximately: 2.10lbs (0.95kg).

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