

# Technical Specifications

## V-1090 FlexHorn™

- Talkback capability
- All Stainless-Steel Hardware
- Flexible Mounting: Recessed & Surface
- Mounting Bracket Included
- Faceplate and Vandal Resistant  
Mounting Box Available Separately
- Available in beige (-BGE), gray (GY) and white (-W)
- Indoor/outdoor use



45 Ohm Talkback

### Description:

The V-1090 Talkback FlexHorn™ is a compact horn designed for areas with low ceilings and low-to-moderate noise environments. The V-1090 FlexHorn provides handsfree talkback capabilities and can be used with Valcom's handsfree control units. 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: 45 Ohms, 0.75in Dia (1.90cm)

### 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: 4.70lbs (2.12kg)

### MOUNTING

The FlexHorn may be mounted to walls using the included adjustable 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-1090, shall consist of a high-efficiency type horn, universal mounting bracket, and "I" beam clamp.

The V-1090 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. The V-1090 frequency response shall be 400 Hz to 10 kHz. Dispersion shall be 120 degrees horizontal and 90 degrees vertical. The V-1090 operating temperature shall be -4 to +131 °F (-20 to +55 °C).

The V-1090 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-1090 shall be available in three colors, beige (-BGE), gray (-GY)

and white (-W). The V-1090 shall be suitable for indoor/outdoor applications.

The V-1090 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).