

## 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)

#### **FREQUENCY RESPONSE**

400 Hz - 10 kHz

#### **VOICE COIL**

.75 dia. (1.9 cm), 45 Ohm

#### **DISPERSION ANGLE**

120° Horizontal

90° Vertical

#### **INPUT**

Impedance: > 600 Ohms nominal

Signal Level: -10 dBm line level

#### **OUTPUT**

Rating: 108 dB @ 4' (1.22m)

Signal/noise ratio: -70 dB

#### **POWER REQUIREMENTS**

200 mA @ 24 Vdc

#### **HOUSING AND FINISH**

Constructed with filled polypropylene

Available in White (W), Gray (GY) Beige (BG)

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 to 95%

#### **DIMENSIONS AND WEIGHT**

6.8" (17.3 cm) H x 8.3" (21.1 cm) W x 3.3" (8.4 cm) D

Weight: 2.75 lbs (1.25 kg)

#### **ACCESSORY PRODUCTS**

V-9805 Vandal Resistant Mounting Box and Faceplate

V-9806 Faceplate

## ARCHITECTS' AND ENGINEERS' SPECIFICATIONS MODEL V-1080 FLEXHORN™

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 be 6.8" (17.3 cm) H x 8.3" (21.1 cm) W x 3.3" (8.4 cm) D. The weight shall be 2.75 lbs (1.25 kg).

### Limited Warranty

Valcom, Inc. warrants its products to be free from defects in materials and workmanship under conditions of normal use and service for a period of one year from the date of shipment. The obligation under this warranty shall be limited to the replacement, repair or refund of any such defective device within the warranty period, provided that:

1. inspection by Valcom, Inc. indicates the validity of the claim,
2. the defect is not the result of damage, misuse, or negligence after the original shipment,
3. the product has not been in any way repaired by others and that factory sealed units are unopened.  
(A service charge plus parts and labor will be applied to units defaced or physically damaged).
4. freight charges for the return of products to Valcom, Inc. are prepaid,
5. all units "out of warranty" are subject to a service charge. The service charge will cover minor repairs  
(major repairs will be subject to additional charges for parts and labor).

**This warranty is in lieu of and excludes all other warranties expressed or implied, and in no event shall Valcom, Inc. be liable for any anticipated profits, consequential damages, loss of time or other losses incurred by the buyer in connection with the purchase, operation or use of the product.**

This warranty specifically excludes damage incurred in shipment. In the event a product is received in damaged condition, the carrier should be notified immediately. Claims for such damage should be filed with the carrier involved in accordance with the F.O.B. point.

