

# Technical Specifications

## V-1040 Round Clean Room Ceiling Speaker

- Paging, emergency alerts and tones
- One-way paging
- Utilizes standard CAT 3, 5, or 6 cable
- Excellent voice and music reproduction
- Built-in accessible volume control
- Clean room applications
- Electrically, acoustically matched components
- Sturdy steel grille
- Quick and easy installation
- Indoor use only

### Description:

The V-1040 is an 8-Inch One-Way Clean Room Ceiling Speaker that generates high quality voice paging and emergency alerts for indoor, clean room areas. The V-1040 Clean Room Speaker is designed with a polycarbonate dust shield that prevents contamination where airborne particles need to be controlled. The V-1040 is the perfect choice for businesses such as pharmaceutical, laboratory, medical facilities and other critical manufacturing environments.



*Self-amplified one-way  
flush mount*

## SPECIFICATIONS

### SPEAKER ELEMENT

**Cone Diameter:** 8.00in (20.32cm)  
**Voice Coil Impedance:** 45 Ohms

### INPUT

**Impedance:** > 600 Ohms nominal  
**Signal Level:** -15 dBm line level

### OUTPUT

**Rating:** > 96 dB @ 4ft (1.22m)  
**Signal/Noise Ratio:** -70

### POWER REQUIREMENTS

50 mA @ -24 Vdc

### FREQUENCY RESPONSE

80 Hz to 16 kHz

### MAGNET

Cone type with 5oz (142g) ceramic magnet

### ENVIRONMENT

**Temperature:** -4 to +131°F (-20 to +55°C)  
**Humidity:** 0 to 95% non-condensing

### HOUSING AND FINISH

Steel grille with a powder coated finish. The backbox is acoustically treated.

### DIMENSIONS AND WEIGHT

13.00in Dia x 3.00in D  
(33.02cm x 7.62cm)  
**Weight:** 2.50lbs (1.13kg)  
**Shipping Weight:** 5.15lbs (2.32kg)

### MOUNTING ACCESSORIES

V-9914M-5 Support Bridge  
V-9915M-5 Backbox  
V-9916M Bridge and Backbox Assembly

2022 Rev. 1.7.18

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## ARCHITECTS AND ENGINEERS

The Clean Room Ceiling Speaker, model V-1040, shall consist of a speaker, amplifier, volume control, round grille, large rubber o-ring to seal the grille to the ceiling, rubber washers for all mounting hardware and a polycarbonate dust shield located between the speaker and the grille.

The V-1040 Clean Room Ceiling Speaker assembly, amplifier module, housing and hardware shall be electrically and acoustically matched for a frequency response of 80 Hz to 15 kHz.

The V-1040 Clean Room Ceiling Speaker element shall be cone type with 5oz (142g) ceramic magnet. Diameter of speaker cone shall be 8.00in (20.32cm). Voice coil diameter shall be 0.75in (1.91cm). Voice coil impedance shall be 45 ohms.

The V-1040 Clean Room Ceiling Speaker shall have a frequency

response of 80 Hz to 15 kHz. Distortion shall be less than 1.5% at-rated output of 1-Watt RMS. Signal-to-noise ratio shall be -70 dB. The V1040 amplifier shall operate on a -24 Vdc nominal power supply. Operating current shall be 50 mA at -24 Vdc. Operating temperature shall be -4 to +131 °F (-20 to +55 °C).

The V-1040 Clean Room Ceiling Speaker grille shall be constructed of steel with a white powder coated finish. A screwdriver adjustable volume control shall be located on the 1-Watt amplifier circuit board. The V-1040 shall be suitable for indoor applications.

The maximum dimensions shall be: 13.00in Dia x 3.00in D (33.02cm x 7.62cm). Weight shall be approximately: 2.50lbs (1.13kg).

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