

SoundLok® Sound-Isolation Rooms with VAE® Technology

Wenger®

Your Performance Partner

- A SoundLok® sound-isolated practice room equipped with digital signal processing that allows musicians to hear themselves in a variety of acoustical environments.
- System comes with 10 pre-set acoustical environments: Practice Room, Baroque Room, Medium Recital Hall, Large Recital Hall, Small Auditorium, Medium Auditorium, Large Auditorium, Cathedral, Sports Arena and System Off.
- Accelerates development of articulation, intonation and control in a variety of environments from very "dry" to very "live".
- Record/Playback feature provides an effective teaching/coaching studio to train students in the relationship between the acoustical environment and instrumental or choral technique.
- A radical new version of the "greenroom" that allows for warm-up in a more realistic environment.
- Does not require any technical expertise to operate the room. Easier than a TV remote control.
- Allows practice for performance without having to schedule the performance space for rehearsal.
- Stimulates creativity and encourages practice by relieving the tedium of playing in an acoustically "dry" practice room.
- VAE is available in several sized rooms ranging from 5'8" x 5'8" to 18'2" x 19'5" (1727 x 1727 mm to 5537 x 5918 mm).
- Internal ceiling height ranges from 7'6" (2286 mm) to 10' (3048 mm) in 6" (152 mm) increments.
- Weight: 2200 lbs and up (990 kg) depending on size.
- Wall and ceiling panels feature powder-coat paint available in Oyster, Warm Sand or Vanilla finish.
- Floor railings and doors are available in Charcoal Grey or Warm Beige finish.
- Built-in LED lighting to minimize power consumption.
- Provides 80 fc at 36" (914 mm) above the floor for a 7' 6" (2286 mm) high room.
- ETL Classified room wiring system.
- Rated: NIC 63 room to room; NIC 41 hallway to room.
- Sound isolating door with a full window.
- Internal fan ventilation system: NC 25.
- Direct connection HVAC (optional): acoustically isolated HVAC connections of STC 45.
- Wall and ceiling panels flame spread = 23.5 and smoke developed = 83.8.
- Control panel: one 18-button control panel. Nine acoustical environments, Volume Up, Volume Down, System Mute (off), Record, Stop, Play, Rewind, Fast Forward, Clear and Select buttons.
- Doors feature a double acoustical seal with a cam type hinge and an acoustically-engineered window.
- UL GREENGUARD Certified - Product certified for low chemical emissions: ul.com/gg - UL 2818.
- Environmental attributes and LEED compliance for this product can be found at www.wengercorp.com/GREEN or by contacting your Wenger representative.

Control System

- Lighting, room ventilation fans and master power for active acoustical system each individually controlled by an On/Off toggle switch. UL®-Listed, CSA-approved.
- Optional light sensor switch.

Microphone

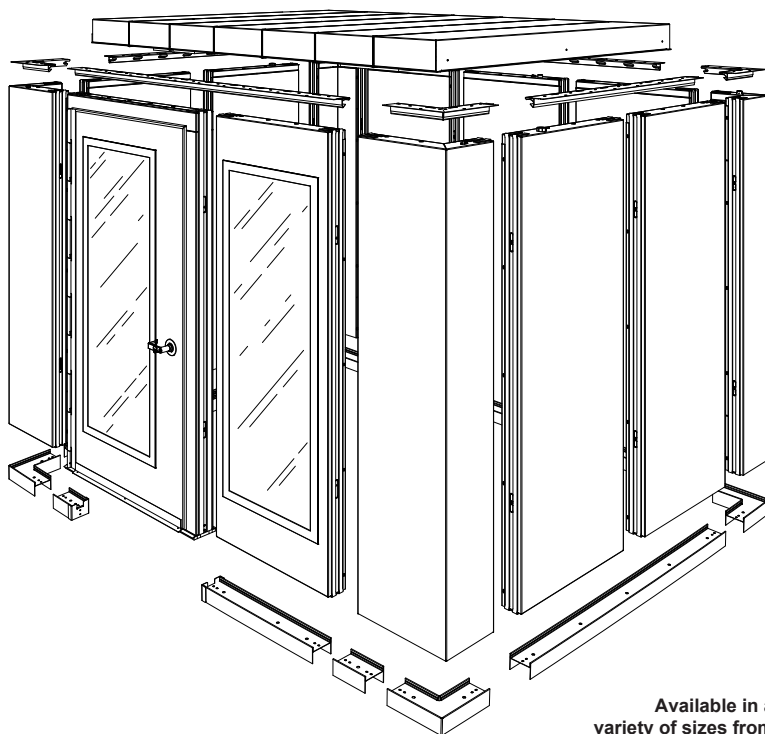
- Transducer type: self-polarized condenser microphone.
- Frequency response: 60 to 20,000 Hz.
- Signal-to-Noise ratio re 1 Pa (A-weighted): 67dB.
- Maximum sound pressure level for 1.0% THD: 115dB SPL.

Speakers

- Frequency response: On Axis (0°) +/- 2dB from 70 - 20kHz. Off Axis (30°) +/- 2dB from 70 - 15kHz.
- Sensitivity-room/Anechoic; 89dB/86dB.
- Maximum input power: 80 watts.
- Low frequency extension: 48Hz (DIN).

Installation Requirements

- Internal room fan system typically exchanges ambient surrounding air every 1-1/2 to 2 minutes depending on room size.
- Contact Wenger for cfm requirements based on room size for direct connect HVAC.
- For internal room heights of 7'6" (2286 mm), overall ceiling height of 9' (2743 mm) is required for units with internal ventilation fan, 10'7" (3226 mm) for direct connect HVAC rooms.
- Closure panels suggested for improved security.
- Electrical requirements: 120V, 20A, 60Hz for each room.
- Ambient temperature for electronics 32°F to 95°F (0° to 35°C)



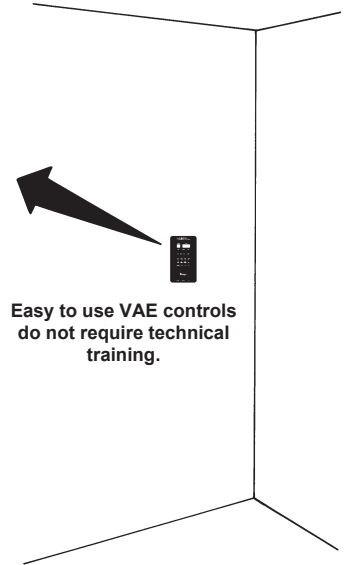
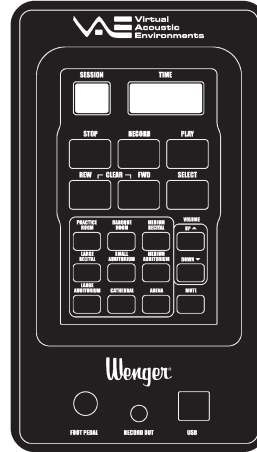
Available in a variety of sizes from 5' 8" x 5' 8" to 18' 2" x 19' 5" (1727 x 1727 mm to 5537 x 5918 mm). Requires minimum ceiling height of 9' (2743 mm).

Mechanical Systems

- Built-in components and wiring to allow for easy upgrade to VAE without module disassembly.
- Built-in LED lighting to minimize power consumption.
Provides 80 fc at 36" (914 mm) above the floor for a 7' 6" (2286 mm) high room.
- Room has an ETL Classified wiring system.
Power panel includes one quad receptacle, Light and/or Air switches and 20' (6096 mm) power cable.
Larger rooms have a communications panel that includes one quad receptacle and four double junction boxes for customer-installed fire alarms, clocks, phone lines, ect. Requires wiring a manufacturer supplied connector by a local electrician.
- Internal room fan system typically exchanges ambient surrounding air every 1-1/2 to 2 minutes depending on room size.
- Plenum and ducts feature acoustically isolating construction.
- Contact Wenger for cfm requirements based on room size for direct connect HVAC.

Options

- Window wall panels are 24" (610 mm) windows.
- Communications panel includes one quad receptacle and four double junction boxes for customer-installed fire alarms, clocks, phone lines, ect.
- Sound-isolating floating floor system (recommended for installations above grade).
- Closure panels for use between modules.
- Adaptable for direct connection to building HVAC system.
- 48" (1219 mm) door and 6' (1829 mm) wide double door with removable mullion.
- Custom options include: one-way glass, double doors, and more.
- Drop-down shelf capable of holding and storing a laptop computer.
- 57-1/4" wide x 21-1/4" high (1454 x 540 mm) glass mirror.
- Mountable Korg tuner/metronome.



Specifications

- Microphone Inputs: 2 Female XLR, Pin 2 Hot
- Input Impedance: 3000 Ohms Balanced
- Phantom Power: +24 Volt
- Gain: 38 dB
- EIN: -95 dB A-weighted @ 45 dB gain and 600 Ohm source impedance
- Maximum Input level: -15 dBu before limiting
- Frequency Response: 20 to 20 kHz within 1dB
- THD+N: 0.007%
- Sample Rate: 44.1 kHz
- Dynamic Range: A/D > 100 dB, 24 Bit resolution
D/A > 100 dB, 24 Bit resolution
- Record Output: 1/8" TRS jack
Level: 0 dBu
Impedance: 330 Ohms
- Power Outputs: Four 1/4" TRS and two 4-pin EURO (5.08 mm pitch)
Output Impedance: 4/8/16 Ohm loads, safety shutdown
Frequency Response: 20 Hz to 20 kHz within 1 dB
Power into 8 Ohms: 25 watts RMS @ 1% THD
Power into 4 Ohms: 35 watts RMS @ 1% THD
S/N: 106 dB unweighted
THD: 0.001% 20 Hz to 400 Hz increasing to 0.1% at 20 kHz (Measured at half power)
- IMD: Less than 0.01%

Specifications (continued)

- Remote control connector: 10-pin Molex type 42404
- USB type B socket: For downloading recorded files
- Compact Flash socket: For storing recorded sessions
- Internal 15-band 2/3 octave Equalizer
- Internal pink noise generator and real time analyzer
- Power Requirements: 100-120 Volts~ or 220-240 Volts~ 50/60 Hz
160 Watts typical
- Temperature: 0 to 40 degrees C
- Humidity: 95% max non-condensing
- Dimensions: Main Unit: 17.4"W x 3.5"H x 11.5"D (Rack mount face is 19.0" Wide)
Remote: 5.1"W x 8.2"H x 2.375" D
- Weight: Main Unit: 17.5 lbs
Remote: 0.75 lbs

Conforms to the following Product Specifications:

- Safety: IEC 60065 (2002)
- EMC: EN 55013 (2001+A1), EN 55020 (1998)

Supplementary Information:

The product herewith complies with the requirements of the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC as amended by Directive 93/68/EEC.

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