

# Sound-Isolated Sound Module

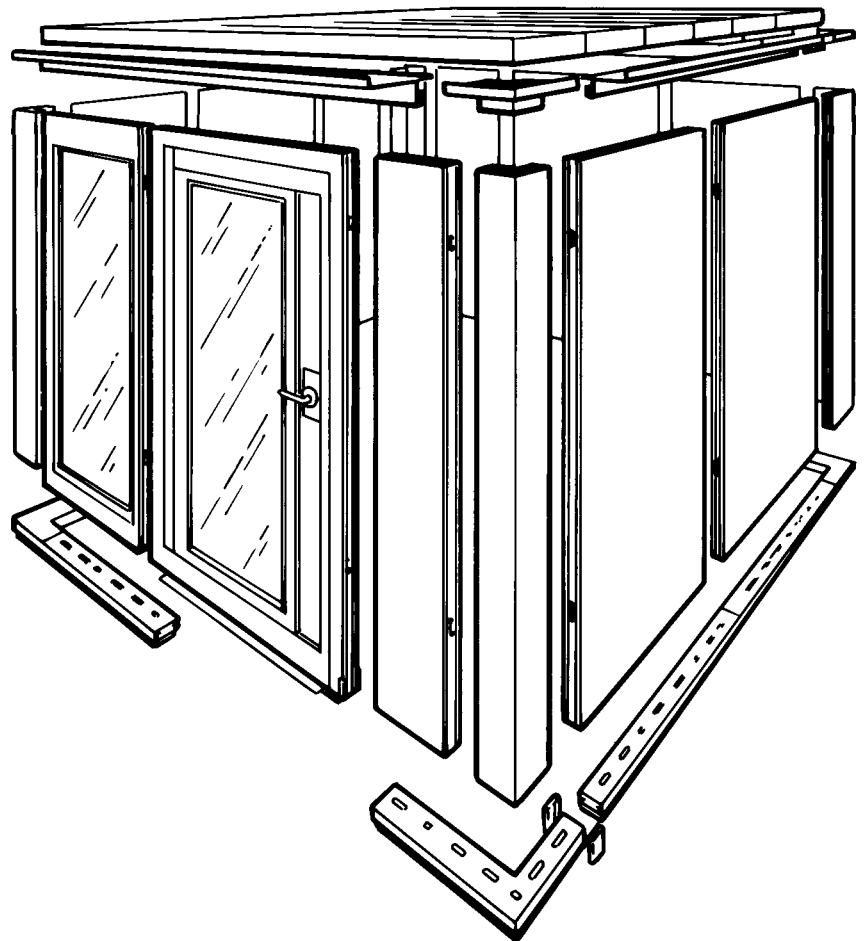
- Many size options.
- Sizes range from 5'8" x 4'5" to 25'8" x 24'5" (173 x 135 cm to 782 x 744 cm).
- Internal ceiling height is 7'6" (229 cm).
- Can relocate, reconfigure, and upgrade with Virtual Acoustic Environments (VAE™).

## Sound Isolation and Internal Acoustics

- Ideal acoustical environment for uninterrupted broadcasting, voice over, recording, rehearsal, etc.
- Acoustically dry environment accurately reflects sound.
- Rated: NIC 40 exterior to interior; NIC 60 interior to interior of adjacent room.
- Ambient noise at center of room: NC 25 with lighting and ventilation systems on.
- Acoustically seals to floor without attachments, adhesives or caulking.

## Sound Module Construction

- Wall and ceiling panels UL®-Class 1 Classification for flame spread and smoke developed.
- UL-Classified room wiring system
- Wall and ceiling panels feature oyster-color, epoxy powder baked finish with charcoal trim.
- Hardware and electrical trim finish is satin chrome.
- Wall and ceiling frames are 16-gauge steel channels.
- Frame compensates for up to  $\frac{3}{4}$ " (2 cm) variation in floor surface.
- Includes  $1\frac{1}{4}$ " (3 cm) neoprene pad to isolate floor vibration.
- Interior surfaces are 22-gauge perforated or solid steel; exterior surface is 16-gauge solid steel.
- Panel perimeters feature continuous acoustical gaskets and alignment locks.
- STC 43 rated doors are pre-hung on 36" (91 cm) frame for either right or left-hand swing, can open either in or out.
- Doors feature a double acoustical seal and an acoustically-engineered window.
- Corner sections with built-in speaker enclosures and wiring.
- Wall panels with built-in microphone mounts and wiring.
- Control panel with built-in wiring.



## Installation Requirements

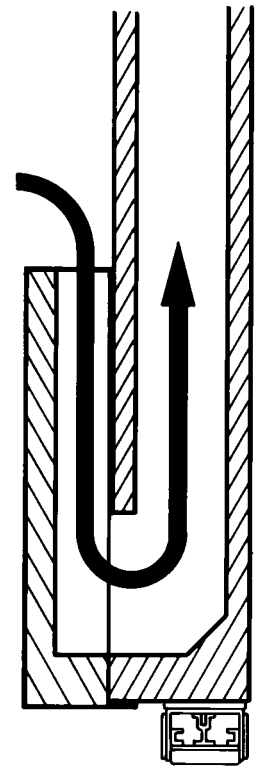
- Minimum ceiling clearance for smaller Modules is 8'1" (246 cm).  
Larger modules with ceiling beam require minimum clearance of 8'8" (264 cm).  
Clearance with future electronics added is 9'0" (274 cm).
- Minimum 1' (30 cm) spacing between walls and adjacent rooms.
- 120V, 60 Hz, 20A, dedicated circuit.
- Installation by Wenger service technicians is standard.

## Mechanical Systems

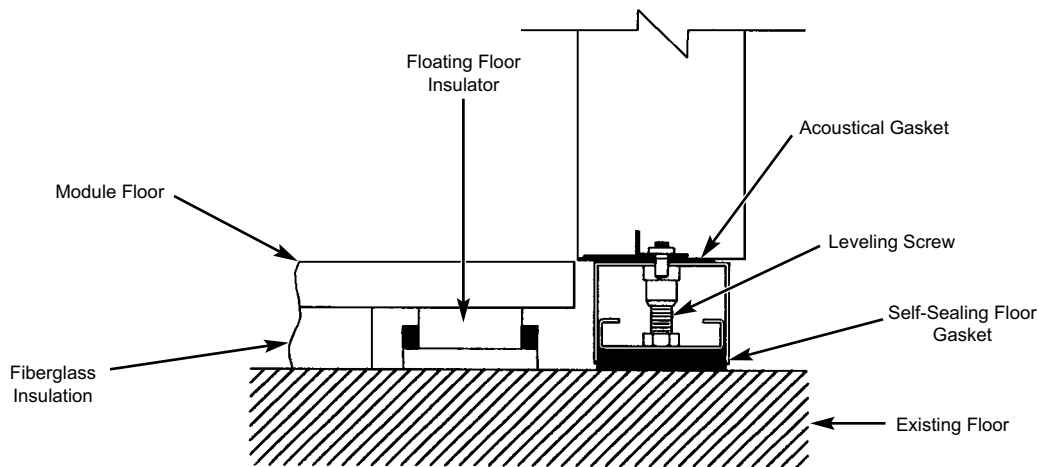
- Built-in components and wiring to allow for easy upgrade to as many as ten different VAE areas without room disassembly.
- Built-in fluorescent lighting with electronic ballasts to minimize fluorescent hum and power consumption. Provides 80 fc at 36" (91 cm).
- Room has a UL®-Classified wiring system. Features our quad receptacles, Light, Air and VAE switches and 20' (610 cm) power cable. Requires wiring a manufacture supplied connector by a local electrician.
- Internal room fan system typically exchanges ambient surrounding air every 1½ to 2 minutes.
- Contact Wenger for cfm requirements based on room size.
- Plenum and ducts feature acoustically isolating construction.

## Options

- Window wall panels are 9" or 24" (23 or 61 cm) windows.
- Choice of pebble, wedgewood, black or raspberry door panel insets.
- Four double junction boxes for customer-installed fire alarms, clocks, phone lines, etc.
- Sound-isolating floating floor system (recommended for installations above grade).
- Closure panels for use between modules.
- Extension panels increase module height by 15" or 30" (38 or 76 cm).
- Adaptable for direct connection to building HVAC system.
- 48" (122 cm) door.
- Custom options include: one-way glass, 20-minute fire-rated door, double doors, and more.



Acoustically quieted airflow system can act alone or be attached to building HVAC systems.



Typical wall cross section to existing floor.

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