

HERZAN

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**Acoustic, Vibration, and
EMI Isolation Specialists**

The Silencer

Overview

The Silencer acoustic enclosure capitalizes on its compact design to deliver industry leading acoustic isolation performance for any acoustically sensitive instrument or application. The Silencer was designed to provide instrument manufacturers and end users the utility of receiving broadband acoustic isolation performance in a form factor fitting the needs of modern laboratories where available space is both limited and expensive.

The Silencer combines the same high quality features known throughout all Herzan enclosures, with an amazing cost-effective value for acoustic isolation.



Product Highlights

- Designed to fit on any tabletop for ease of use/installation
- Compact form factor saves valuable space within the lab
- Multi-layered, variable-density acoustic damping material
- Broadband acoustic isolation (50 - 5,000 Hz) up to 38 dB
- Performance, accessibility, usability upgrades available
- 100% enclosure customization for end users and OEMs

Applications

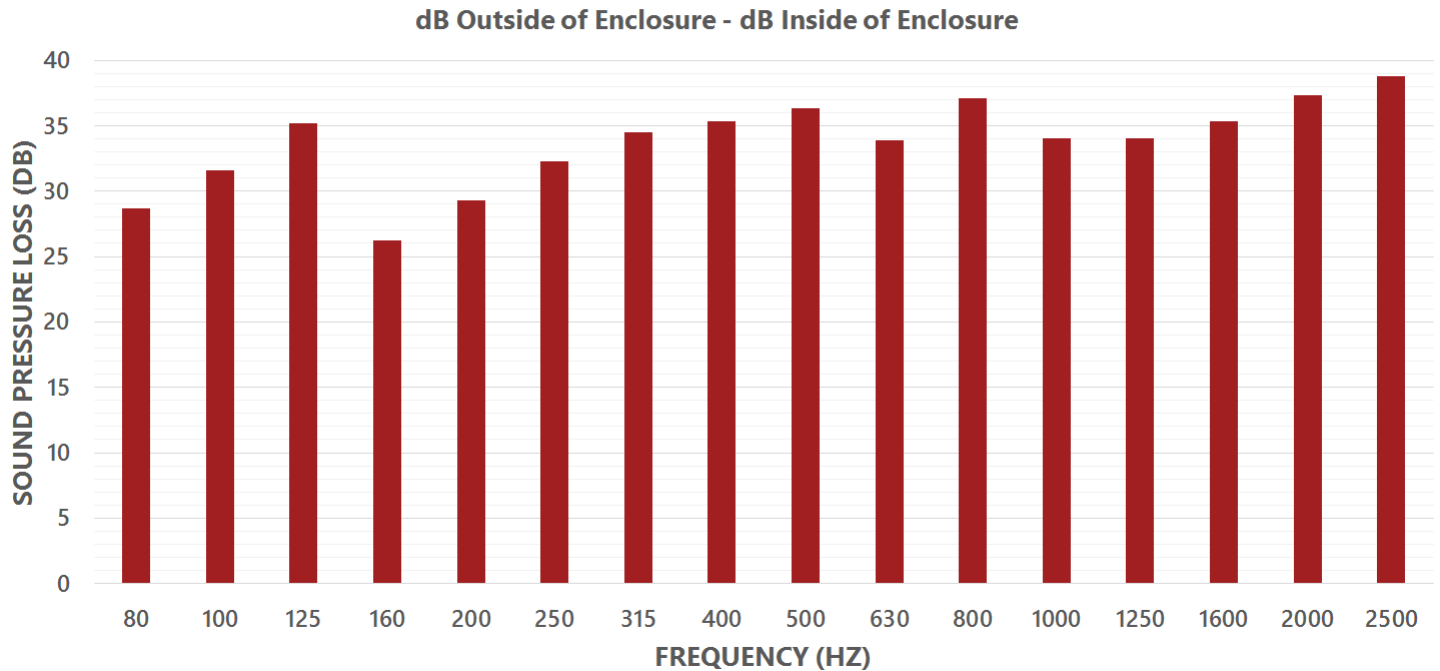
- Atomic Force Microscopy
- Scanning Probe Microscopy
- High Precision Metrology
- Product Testing
- Precision Microscopy
- And More!

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Performance

The multi-layered, variable density material lining the walls of the Silencer allow for high performance acoustic isolation across a broad frequency spectrum.

ACOUSTIC ISOLATION PERFORMANCE

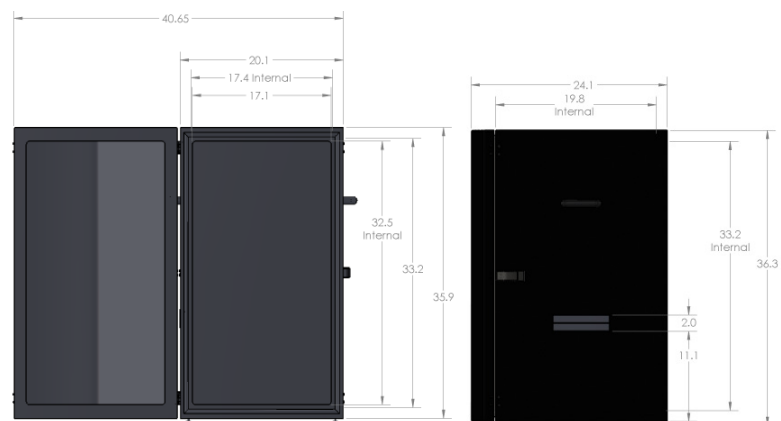


Performance Highlights

- 32 dB of sound loss at 100 Hz
- 32 dB of sound loss at 250 Hz
- 35 dB of sound loss at 500 Hz
- 35 dB of sound loss at 1,000 Hz
- 36 dB of sound loss at 1,600 Hz
- 37 dB of sound loss at 2,000 Hz

THE SILENCER DIMENSIONS

Dimension	Width		Depth		Height	
	inches	mm	inches	mm	inches	mm
Internal Dimensions	17.1	434	19.8	503	32.5	825.5
External Dimensions	23.5	597	24.1	612	36.3	922



Selection Guide Tip

When determining whether the Silencer enclosure is suitable for your application, verify the dimensions of the application equipment do not exceed the internal dimensions of the Silencer. If the internal dimensions of the Silencer are not large enough for the application equipment, a custom Silencer enclosure can be recommended or one of Herzan's other standard acoustic enclosures.



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