

RECTANGULAR DISSIPATIVE HORIZONTAL BOX SILENCER

The Vibro-Acoustics RD-HB is a 2-stage silencer system that offers significantly higher broad-band attenuation for axial fan inlets, as compared with round casing silencers. The silencer is designed with aerodynamic rectangular baffles, followed by a plenum space which diffuses the airflow immediately upstream from the fan. The continuous inlet flanges ensure low generated noise levels. The RD-HB is typically bolted directly to the fan's flange, which eliminates problematic noise flanking caused by flexible connections.

STANDARD FEATURES

- HRS Casing with External Prime Painting and Continuously Welded Seams
- External Gauges Compatible with Fan Construction
- Inlet and Outlet Flanges with Customer Specified Hole Pattern
- 16ga. Galvanized Perforated Internal Liner
- Internal Stiffeners
- Acoustic Grade Fiberglass Media Fill Under Minimum 15% Compression with Fiberglass Cloth Protection
- 1in. x 1in. x 16ga. Galvanized Birdscreen Inlet Protection
- Support Legs to Suit Fan Inlet Centerline Height

ACCESSORIES

- Rain Hoods
- Inlet Filter Housings
- Duct Transitions or Spool Pieces
- Bolt and Gasket Kits
- Flow Measurement Probes

OPTIONS

- Special Painting Systems
- Corrosive Resistant Coatings
- Support Brackets
- Access Panel
- Drainage Connections
- Removable Birdscreen
- All Galvanized or Stainless Steel Construction Materials
- Custom Designs and Configurations For Special Space and Performance Requirements
- May be Modified for Axial Fan Discharge Applications

