

## RECTANGULAR DISSIPATIVE HORIZONTAL BOX SILENCER

The Vibro-Acoustics RD-HB is a 2-stage silencer system using aerodynamically designed rectangular baffles for optimal attenuation, followed by a plenum space for air diffusion 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. The silencer should therefore be isolated in the same manner as the fan system.

**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
- Connection to either Round or Rectangular Fan Inlet
- 16ga. Galvanized Perforated Internal Liner
- Internal Stiffeners
- Acoustic Grade Fibrous Media Fill Under Minimum 15% Compression with Fiberglass Cloth Protection
- 1in. x 1in. x 16ga. Galvanized Birdscreen Inlet Protection
- Support Legs to Match 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 Coating
- 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

