Description

THE VIBRO-ACOUSTICS RD-HB is a 2-stage silencer system that offers significantly higher broadband 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
> 16 ga. galvanized perforated internal liner

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

> Internal stiffeners
> Acoustic grade fiberglass media fill under minimum 15% compression with fiberglass cloth protection
> 1 in. x 1 in. x 16 ga. 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