

# DUCT SILENCER INSTALLATION GUIDELINES

- > Determine connection type from contract specifications or contractor's practice.
- > Prepare inlet and outlet of duct silencer with the companion joint to be used.
- > If the silencer is rectangular and has been supplied in more than one single component piece, unitize pieces as shown below. Refer to the silencer submittal to establish pieces required and overall silencer bank dimensions.
- > Install silencer in duct system taking care that the direction of airflow indicated on the silencer is the direction of airflow in the duct system.
- > In the case of reversible flow fan systems, the airflow arrow should align with the direction of "normal flow".
- > Where possible, orient the splitters vertically to help provide structural rigidity.
- > Support silencer as specified or as required.
- > Use specified caulking or gasket materials at connection to duct system.

**Note:** Vibro-Acoustics silencer catalog and submittal data have been determined according to ASTM E-477 methods. This test standard requires a minimum of five (5) diameters of straight duct upstream of the silencer and ten (10) diameters of straight duct downstream of the silencer. Locating a silencer in a system with less favorable inlet and discharge conditions will result in increased pressure drops and generated noise due to system effects.

