

SILENCER APPLICATION SOLUTIONS

PROBLEM:

Environmental Noise

- ◆ Supply, return and exhaust openings in building envelopes can often be a source for environmental noise problems. Noise control may be needed to meet local ordinances at property lines or to be considerate neighbors.
- ◆ Low pressure fans on outdoor equipment such as cooling towers and air cooled condensers radiate noise and can not tolerate much added external pressure loss normally associated with standard silencers.
- ◆ Noise from the environment such as aircraft and traffic noise may enter the building through untreated ventilation openings. Even the buildings own external equipment and louvers could radiate noise which re-enters the building.

SOLUTION:

Short Silencers

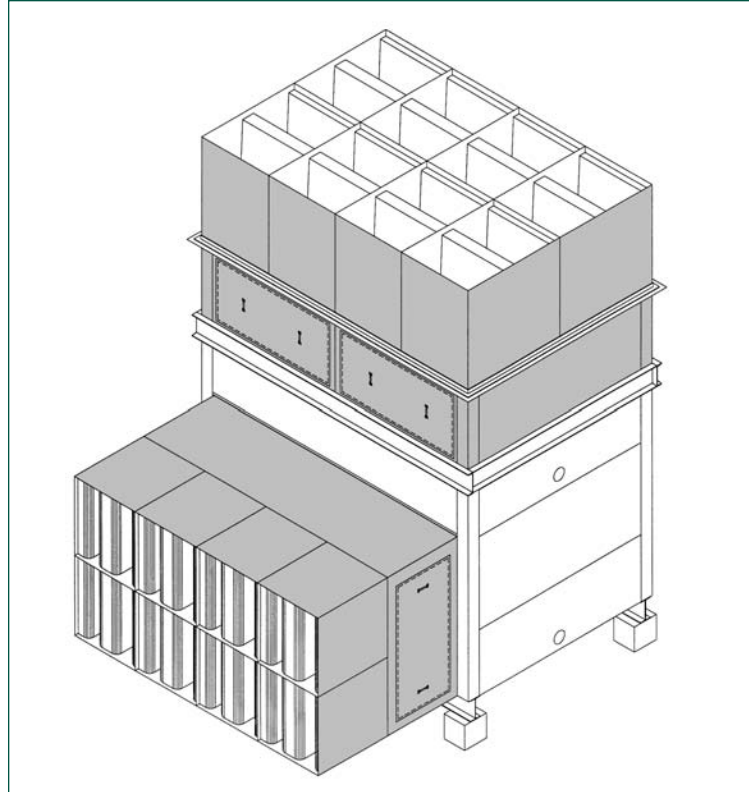
- ◆ Vibro-Acoustics provides Short Silencers that are manufactured in lengths from 6" to 36". These silencers can be located directly behind architectural louvers, eliminating the need for an acoustical louver. By so doing, the acoustic performance of the silencer / architectural louver is improved over that of an acoustical louver and the architectural requirements of the building are better met.

Lower Pressure Drop Silencers

- ◆ Lower pressure drop silencers can be supplied for cooling towers and air cooled condensers. Usually large silencer banks are required to keep velocities low. This enables more effective acoustic performance to be achieved in shorter silencer lengths.

Acoustical Louvers

- ◆ Acoustical louvers can be supplied when matching other architectural louvers and other architectural aesthetic requirements are not of primary concern (e.g. some Water Treatment and Power Plants, louvers around cooling towers, etc.).



Cooling tower silencers help achieve noise ordinance requirements at property line.