

AHU Duct Silencers

- Specify ASTM E-477 Insertion Loss to latest test revision (currently 13e1) as older versions do not represent realistic performance
- Avoid high pressure drop silencer models
- Consider self generated noise (SGN) contribution by adding SGN to downstream calculated sound pressure before plotting for NC
- Apply Δp correction factors for catalogue values to reflect all system effects of actual inlet and outlet conditions
- Locate silencers 3 equivalent duct diameters away from fittings
- Control respirable fibers with media liners or packless fiber free models

