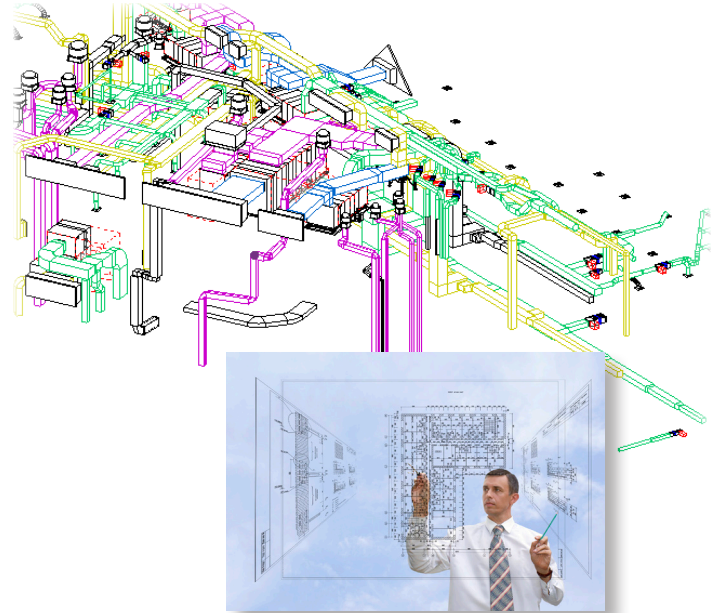


# BIM for Noise Control

## Save time with Revit silencer models and automatic scheduling

BIM (Building Information Modeling) has drastically changed how construction documents are generated. The major values of using BIM technology are seen in improved productivity of building trades, better documentation of construction details, and better overall project results. However, these values can only be realized by developing parametric models for each HVAC component, and the models must be compatible with Revit, the primary BIM software for MEP (mechanical, electrical and plumbing).



BIM for noise control comes with two hurdles:

- The average BIM model for noise control components lack sufficient data, forcing designers to create schedules manually and even model new silencers.
- These silencer models are not easy to use and require significant manipulation before they can be added to a building model.

However, there is a solution...

**Revit Models**

**Performance Data**

Base of Design	Dimensions in	Design	Frequency (Hz)	Loss (dB)	Maximum Dynamic Insertion Loss (dB)
100	100	100	100	100	100
200	200	200	200	200	200
300	300	300	300	300	300
400	400	400	400	400	400
500	500	500	500	500	500
600	600	600	600	600	600
700	700	700	700	700	700
800	800	800	800	800	800
900	900	900	900	900	900
1000	1000	1000	1000	1000	1000

**Schedule**

### Smart Silencer BIM Models by Vibro-Acoustics

- Thirty, easy-to-use silencer models that contain all construction and performance information, including dynamic insertion loss and pressure drop.
- Models integrate fully with the building model by ‘snapping’ into place within the consultant’s ducting model without adjusting and repositioning.
- All models are supplied with a silencer schedule template that automatically draws the necessary information from all the silencers in the consultant’s HVAC model to develop a schedule.

*“These (Revit Models) are Amazing!!! They are by far the best Revit Families we have used. The attenuators drop in perfectly every time” — Tom Rhoads, WAMCE*

» Contact us, your local Vibro-Acoustics Representative, to see how Vibro-Acoustics Revit families and Application Engineering Service can save you time and money.