

# Rigid Duct Attenuators

## Domestic Range



- Reduces noise levels within rigid ducting
- Tested up to 150l/s (540m<sup>3</sup>/hr)
- Reduces noise level by up to 55%
- Sturdy Lightweight construction
- Easy installation
- Closed cell, Class O fire rated acoustic material
- Microban anti-microbial protection
- Corrosion proof
- Suitable for most installations
- Available in two lengths; 600mm and 1000mm
- Compatible with 204x60mm Ducting

### The Product

The Rigid Duct Attenuator has been developed as a cost effective and compact way of reducing noise within a ventilation system. The light weight, low profile construction also provides corrosion resistance over metal silencers.

### Technical Details

The acoustic lining of the attenuator contains Microban anti-microbial protection, offering enhanced resistance against mould growth and also dust, fibre and formaldehyde free.

The Rigid Duct Attenuator is suitable for residential and commercial applications including schools and offices.

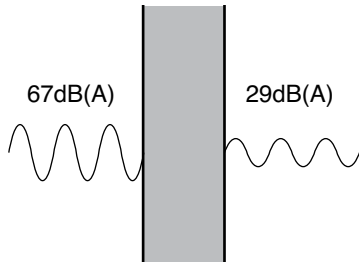
### Noise Reduction

The Rigid Duct Attenuator offers excellent sound reduction over a range of frequencies and is available in two lengths depending on the noise submersion requirements. For MVHR systems the Attenuator can be fitted on the supply side to habitable rooms, reducing air-borne in-duct noise. For MVHR and extract-only systems, the Attenuator may be placed on the extract side to limit 'cross-talk' through ductwork between rooms.

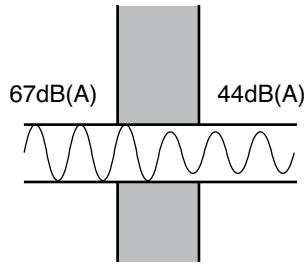
### Additional pressure drop compared to straight duct (Pa)

| l/s | 600mm Silencer | 1000mm Silencer |
|-----|----------------|-----------------|
| 13  | 0.2            | -               |
| 15  | 0.4            | 0.3             |
| 30  | 2.0            | 2.1             |
| 60  | 4.5            | 7.2             |
| 90  | 10.0           | 20.2            |
| 120 | 13.6           | 22.2            |
| 150 | 16.3           | 20.4            |

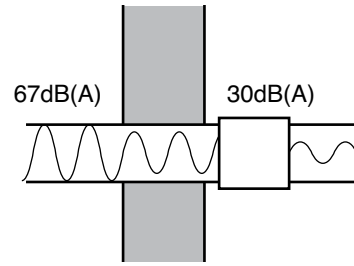
Sound Through a Wall



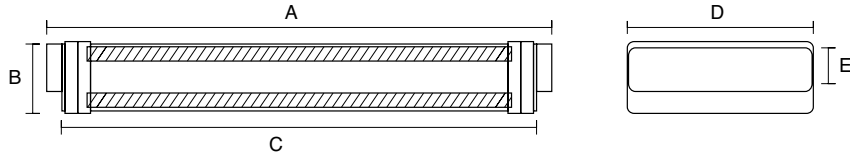
Sound Through a Wall with Ducting



Sound Through a Wall with Attenuated Ducting

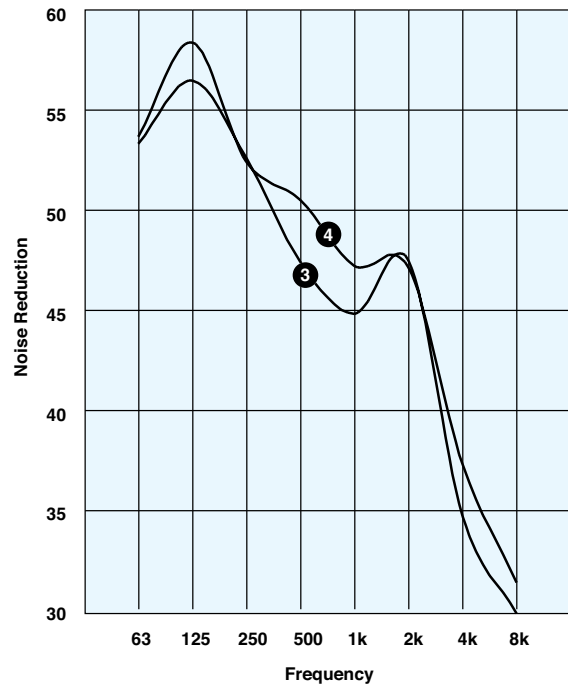
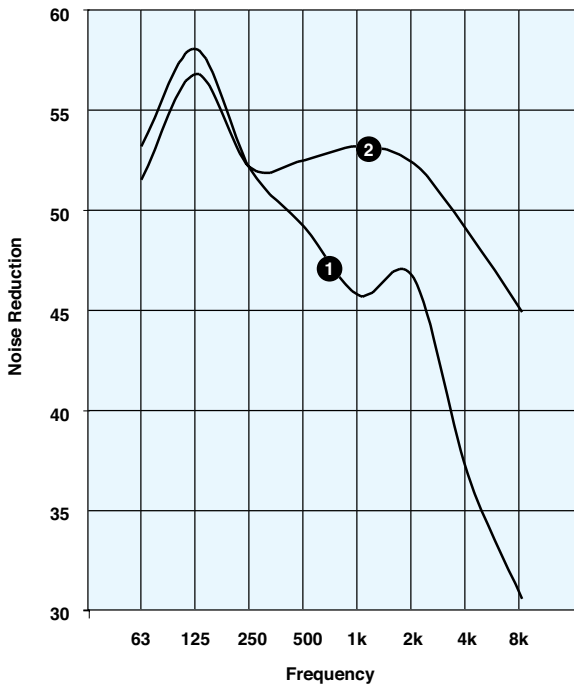


Dimensions (mm)



| Cat. No. | A    | B  | C   | D   | E  |
|----------|------|----|-----|-----|----|
| SL55105  | 600  | 95 | 540 | 225 | 65 |
| SL55100  | 1000 | 95 | 940 | 225 | 65 |

Sound Reduction



|                              | Curve | Frequency |       |       |       |       |       |       |       |
|------------------------------|-------|-----------|-------|-------|-------|-------|-------|-------|-------|
|                              |       | 63        | 125   | 250   | 500   | 1k    | 2k    | 4k    | 8k    |
| SL55105 db(A)                | 1     | 52.93     | 57.8  | 51.76 | 48.85 | 45.47 | 46.34 | 36.55 | 30.33 |
| 1m Non Attenuated Duct db(A) | 2     | 51.23     | 56.54 | 51.86 | 52.22 | 52.91 | 52.06 | 48.63 | 44.63 |
| Solid Wall db(A)             | 3     | 53.01     | 56.21 | 52.26 | 46.95 | 44.3  | 47.05 | 34.07 | 29.13 |
| SL55100 db(A)                | 4     | 53.36     | 58.15 | 52.04 | 50.13 | 46.75 | 46.66 | 36.66 | 30.7  |

