

Whole House Ventilation Attenuator



Features

- Reduces noise transmission from MVHR appliances, and can also be used to control cross-talk between rooms.
- Suitable for both domestic and commercial applications.
- Aids compliance with Approved Documents F of the Building Regulations.
- Reliable acoustic performance data.
- Sizes compatible with 204x60 and 220x90 plastic ductwork. Various lengths available.
- Low height facilitates installation within ceiling and floor voids.
- Robust galvanised steel construction, resistant to corrosion.
- Polyester powder paint finish available.

Summary

The Whole House Ventilation attenuator from Caice offers a reliable and cost effective method of reducing noise in a domestic ventilation system.

Part F of the Building Regulations requires consideration to adequate ventilation and noise control provision in dwellings, and also in other buildings. The regulations state that *"To ensure good acoustic conditions, the average A-weighted sound pressure level in noise sensitive rooms, such as bedrooms and living rooms, should not exceed 30dB LAeq,T."*

Achievement of such low noise levels can only be assured where all proper acoustic design considerations have been taken into account. Part of this requires the specification and selection of quality products with reliable performance data, as this will facilitate an accurate acoustic analysis of the ventilation system.

With our highly regarded reputation for attenuator products, you can be assured of reliable and accurate performance data. Our UKAS accredited test rig allows us to measure acoustic and aerodynamic performance to the latest standard BS EN ISO7235:2009.

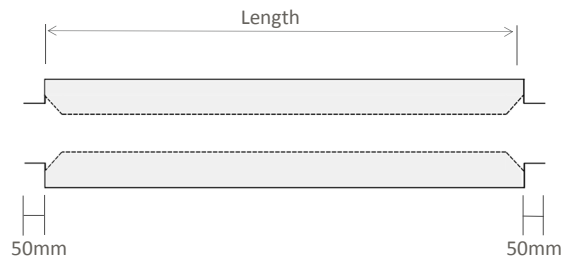
This product is also suitable for use in commercial applications such as schools or offices.

For installations using circular ductwork, we are also able to offer attenuators from our CG or PG range to suit duct sizes from 100mm to 500mm diameter, with nominal 50mm wall thickness. Please refer to our attenuator brochure for more details, or contact a member of our sales team.

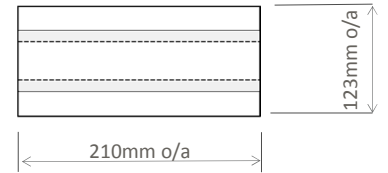
Whole House Ventilation Attenuator

Type 1: to suit 204x60 duct

Side View



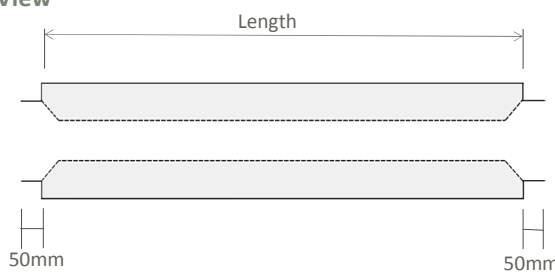
End View



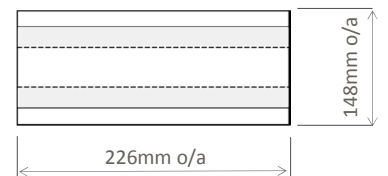
Connecting ducts to be inserted inside spigots and sealed during installation.

Type 2: to suit 220x90 duct

Side View



End View



Connecting ducts to be inserted inside spigots and sealed during installation.

Acoustic Performance

Insertion Loss (dB)

Type	Length	63	125	250	500	1k	2k	4k	8k
Type 1	620	3	4	7	13	21	38	45	33
	920	4	5	10	19	30	47	49	36
	1220	4	7	13	26	39	55	53	38

Insertion Loss (dB)

Type	Length	63	125	250	500	1k	2k	4k	8k
Type 2	620	3	5	10	16	28	44	44	36
	920	4	7	14	24	39	51	48	38
	1220	5	8	18	32	50	55	52	41

Pressure Loss

Pressure Loss (Pa)

Vol (l/s)	Type 1	Type 2
15	6	6
30	10	10
60	25	22
80	41	36

(data based on 1220mm lengths)

Other versions of this product are available with shallower or deeper height options. These may be used in applications where it is necessary to accommodate spatial constraints, or to vary the insertion loss or pressure loss characteristics of the attenuator.

Please contact a member of our sales team for further information.