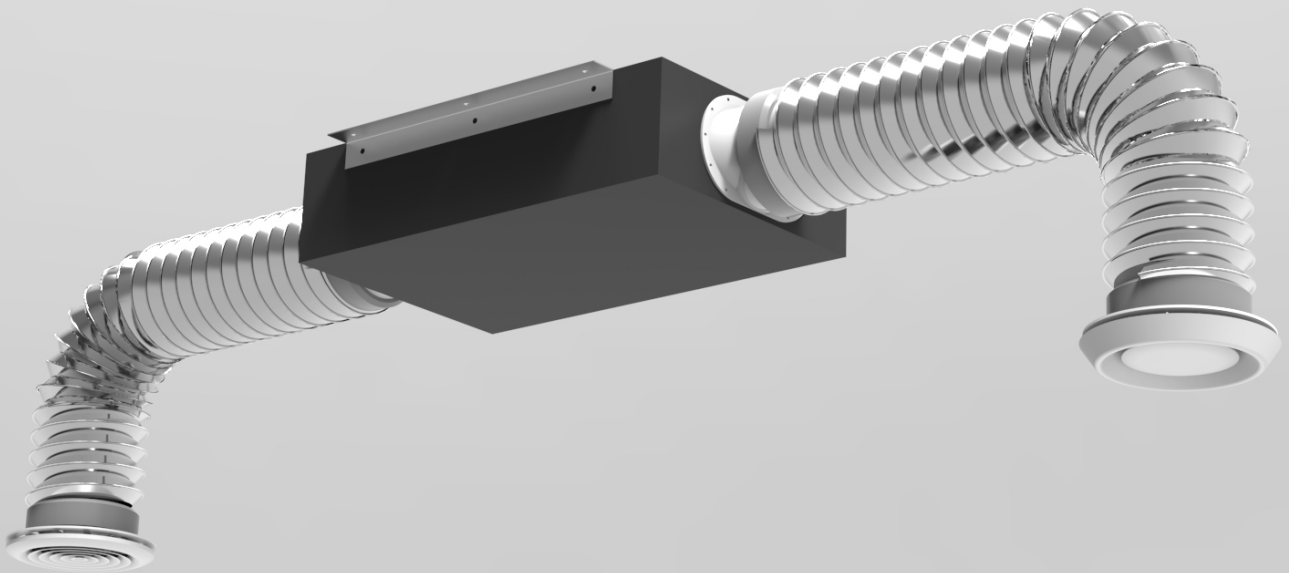


*Your proven answer
to soundproof ventilation
in noise affected buildings.*



100mm Silenceair

Product Code: 14-01-01



Best new product
DesignBuild Australasia



Top 10 Eco Product in the USA
Sustainable Building Magazines



Silver Medal
International Salon des Inventions.
Geneve, Switzerland

Sound Reduction

By using a revolutionary patented technology that incorporates arrays of sound attenuating tubes, Silenceair can reduce the noise that enters the room through a ventilation opening by up to 85%. The compact size removes the need for bulky and costly acoustic ducting.

Airflow

The aerodynamic air-passage allows for a highly efficient flow of air at very low pressure. Airflow rates at these low pressures can be increased simply by increasing the number of units used. Balancing can be achieved by the same method.

Applications

Silenceair can be used to KEEP OUT THE NOISE in a variety of ventilation systems: for background ventilation; natural cross ventilations; in conjunction with environmentally friendly passive systems, providing make up air to A/C units; and as part of cost effective and code compliant mechanical ventilation systems.

It can be used to KEEP IN NOISE. ACTUAL applications include home theatres, night clubs and commercial dog kennels.

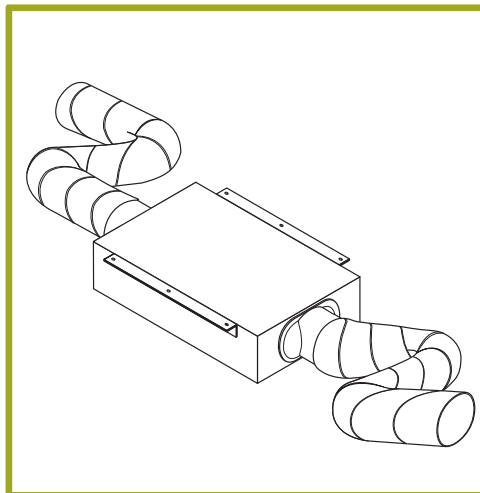
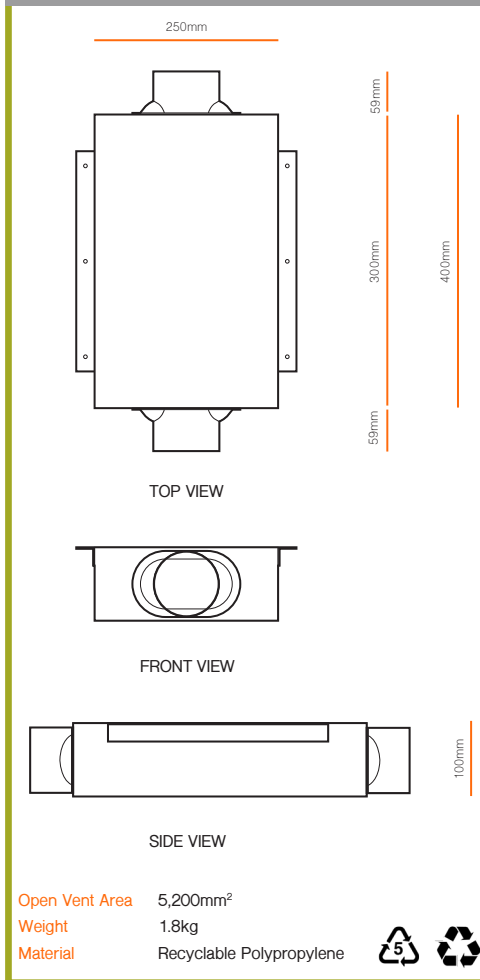
Advantages

Reduces noise transmission by 85% across the acoustic barrier. **Highly efficient.** The unique design allows for higher airflow at minimum pressure, and superior noise reduction over the thickness of the wall than alternative technologies.

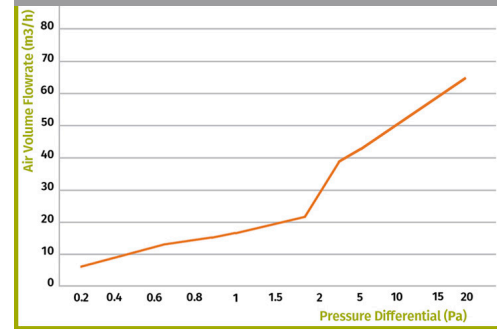
Cost effective. Silenceair is a highly effective solution for air penetrations through acoustic barriers. You can save on materials, installation time and operating costs.

Environmentally Friendly. Silenceair is ideal for use as part of an environmentally sustainable air management system. It is fully recyclable and contains recycled material. **Can be retrofitted.** Silenceair can be installed in an existing brick vent space, or by cutting a hole in the brick wall. **Minimal Visual Impact.** Silenceair is discreetly hidden in the wall with only a small faceplate showing which can be painted to match the wall.

Dimensions



Superior Airflow

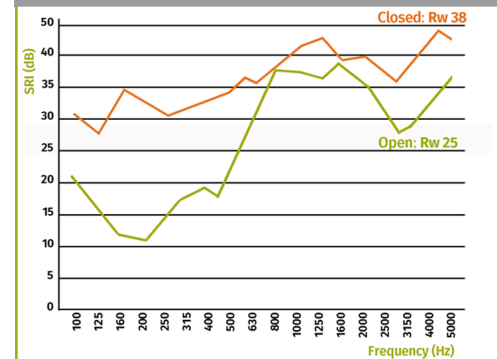


Tabulate Airflow Performance

Pressure Drop (Pa)	m ³ /h	l/s
0.20	6	1.5
0.40	9	2.3
0.60	11	3.0
0.80	12	3.4
1.00	13	3.5
1.50	15	4.5
2.00	19	5.2
5.00	31	9.0
10.00	40	11.0
15.00	50	14.0
20.00	57	16.0

The airflow performance graph and table above shows how much air flows through the Silenceair acoustic attenuation device at different air pressures. For example, when the air pressure differential is 0.20 Pascals, air will flow through the device at 6 cubic metres an hour, or 1.5 litres per second.

Superior Noise Reduction



Data Table SRI, dB re 20 uPa

Frequency (Hz)	Vent Open	Vent Closed
100	20	30
125	18.1	26.1
160	9.1	34.1
200	6.5	31
250	15.2	32
315	17.5	27.4
400	15.7	32.7
500	24.8	35.5
630	31.1	34.3
800	34.2	37.0
1000	34.1	41.1
1250	35.7	40.2
1600	34.1	35.3
2000	35.2	38.1
2500	28.4	39.1
3150	26.1	40.2
4000	31.2	45.4
5000	34.8	41.3

The noise reduction graph and table above show the reduction in sound power levels through the Silenceair acoustic attenuation device. Over the spectrum from 100hz to 5000hz the Silenceair acoustic ventilator has an Rw38 when adjustable louvre is closed.

For more information please contact

www.silenceair.com enquiries@silenceair.com +61 2 9555 7215

Patents and Patents Pending Silenceair is a registered trademark of Silenceair International Pty Limited