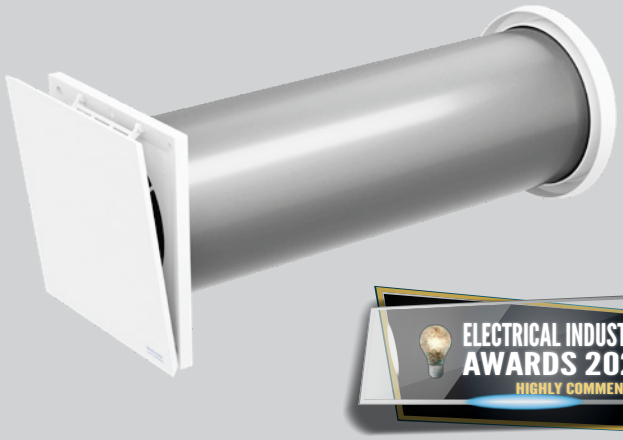
Vent-Axia Lo-Carbon Heat Save

- Suitable for improving indoor air quality in habitable rooms
- Fully customisable ventilation via a control panel
- Easy to install, no need for ducting, wall sleeve included
- Easily maintained with cleanable filter and ceramic heat exchanger
- 5 year warranty for peace of mind
- Up to 84% heat recovery to reduce energy bills
- Anti-frost protection built in
- Replace extracted air with filtered air
- Reduce the home's carbon footprint and save money on energy bills



Through-The-Wall Heat Recovery Unit

The Vent-Axia Lo-Carbon Heat Save is a ventilation unit designed for living rooms and bedrooms in single and multi-family buildings. The unit is usually located in an exterior wall to provide new air to the room.

The Vent-Axia Lo-Carbon Heat Save uses a reversible fan to extract dirty air from the room and replace it with outside air 70 seconds later. This air passes through a filter to ensure that clean air enters the room. These systems work best in pairs as when one unit is extracting, the other can be supplying air to provide a balanced ventilation system. They are controlled by a SENWZP Sentinel wired zone controller which can operate up to 8 units in synchronization. This provides a single room or whole house balanced ventilation system with heat recovery.

As well as filtering the air, the Vent-Axia Lo-Carbon Heat Save uses a thermal accumulator to extract warmth from the outgoing air and uses it to temper the incoming air to avoid the feeling of cold drafts and recover heat that would otherwise be lost to the outside.

Models

Vent-Axia Lo-Carbon Heat Save

Decentralised ventilation system with up to 84% heat recovery. Compact design for apartments or houses with 180mm diameter, ideal for refurbishment. Includes reversible fan with a thermal accumulator, external wall grille, wall sleeve, dust filter. Requires 1x SENWZP (496037) wired zone controller per installation of 8 units.

Stock Ref
496036

Accessories

Model	Stock Ref
Sentinel Wired Zone Control Panel (SENWZP)	496037
Spare Inner Cover 220x220	496108
Heat Save PM10 ISO Coarse 60% (formerly G4) filter	496038
External Wall Sleeve 160x745	495328
Spare Wall Sleeve 160x495	496105
Spare Reversible Fan	496110
Spare Thermal Accumulator	496111
Spare Weather Protection Grille	496107
Sound Absorbing Insert	496109

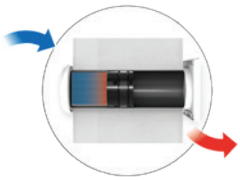
Performance

Wall opening:	167 - 180 mm
Wall thickness with plaster/render:	>290 mm
Supply Air flow:	2.8 - 12.0 l/s
Extract Air flow:	2.8 - 12.0 l/s
Average Air flow:	1.4 - 6.0 l/s
Power consumption:	1 - 3W
Sound emission:	18 - 36 dB(A)
Heat Recovery:	84%
Temperature range:	-20 - 50 °C

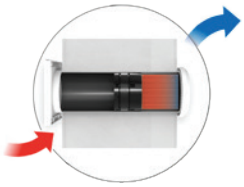
Typical Installation

The Vent-Axia Lo-Carbon Heat Save can be fitted in a 167mm - 180mm diameter hole. Maximum wall thickness is 460mm or 745mm with optional wall tube (see accessories). The wall sleeve length (included up to 460mm) can be cut down to size to fit any wall thickness.

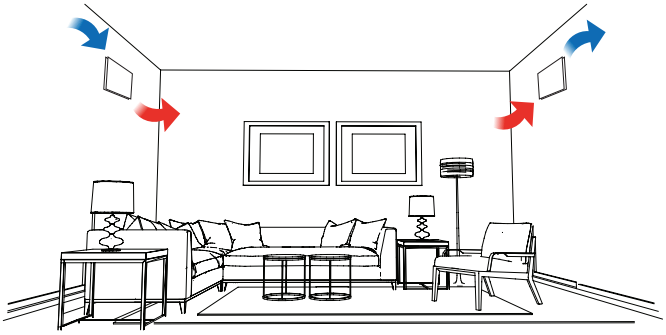
Vent-Axia Lo-Carbon Heat Save units work best in pairs. When one unit is extracting, the other can be supplying air to provide a balanced ventilation system. They alternate direction every 70 seconds when the thermal accumulator on the extract unit has warmed up allowing the supply air to benefit from these thermal gains. They are controlled by a SENWZP Sentinel wired zone controller. This is fully modular and controllable with customised ventilation profiles available so that every room in the home can have the perfect ventilation.



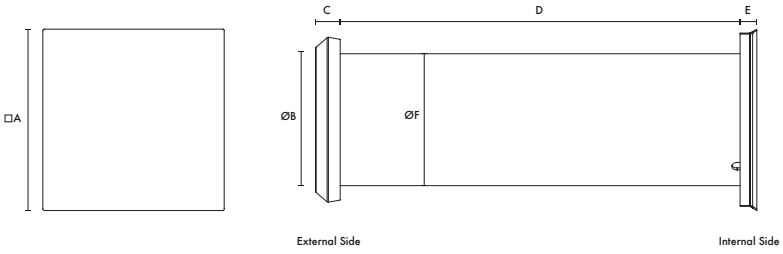
Supply Mode



Extract Mode



Dimensions (mm)



□A	ØB	C	D	E	ØF
220	200	30	485	20	160

Sound @ 1m dB(A)

Fan Speed	With sound absorbing insert	Without sound absorbing insert
25%	20.0 dB(A)	16.8 dB(A)
35%	23.0 dB(A)	20.8 dB(A)
50%	30.7 dB(A)	26.3 dB(A)
75%	37.0 dB(A)	Not tested
100%	43.0 dB(A)	33.7 dB(A)