NEW Lo-Carbon Sentinel Kinetic Advance

Features & Benefits

- Ultra quiet
- Touch screen controller
- Lightweight for easier installation
- 100% Summer bypass
- WiFi connectivity option
- Wireless commissioning
- Pre-commissioning via USB
- App control option
- Left/Right handing through the controller
- Pre-heater option for cold climates
- Post-heater control option

The Sentinel Kinetic® Advance from Vent-Axia is the next generation of heat recovery ventilation systems. It is designed to offer the highest level of comfort and control available ensuring the best possible customer experience.

A whole new experience

The highly sculpted interior surfaces, designed using the latest CFD techniques, ensures airflows are maximised through the unit minimising noise and energy use. This feature alone provides an experience which we are confident will delight home owners and fulfil our ambition of providing the most discrete and efficient ventilation available.

With the widest range of options available, installers can now order a system that is tailored to their client's needs.

Air Quality and Health

We have strived to make the Advance system the most flexible solution available on the market. Optimisation has been targeted in every aspect of the design to ensure that it really does improve quality of life. Whatever the outside environment, we a have a method to help reduce air pollution from entering the living space. Our range of filter options, up to and including F7, ensure that even homes in heavily urbanised areas have the opportunity to filter out the impurities and help protect their family from respiratory issues.

Nuisance noise – There isn't any...

The most common concern with home owners is that ventilation devices create noise. With Advance, absolute optimisation of every element does everything possible to minimise generation and transmission of both motor and airflow noise. We believe that we have one of the quietest units available.

Ventilation how you want it

We have spent our time considering every element of the ventilation control. Should you want to run the system at certain times and at certain speeds, all of the options are available for you. With a programmable controller, it is possible to boost the unit if required, for example during hot periods in the summer, or even reduce the speed if needed, perhaps when a baby is due to go to bed. Whatever the situation, Advance can be made to operate as needed.

At the same time, automatic functions such as frost protection and summer bypass even have a choice of algorithms designed to suit different climates and lifestyles.

Controllability

With building services often hidden away in cupboards or in lofts we have developed a number of options for system control. From an App which provides instant access wherever you are, to full on-board touch screen controls, an option will be available to support your needs.

SEC Rating

Model	SEC Class
Advance S/SX	A+

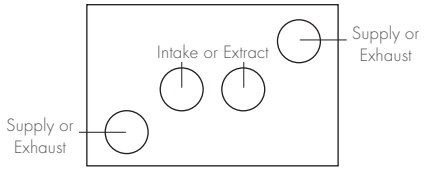
Model

Model	Stock Ref
Advance S	405215
Advance SX	405216

Accessories

Model	Stock Ref
Wifi Controller	409195

Spigot Configuration



Hand-able through controller (except if pre-heater fitted)

Spigot Configuration

Models	Advance S	Advance SX
Sentinel Touch Screen Controller	✓	✓
App Control	O	✓
App Commissioning	O	✓
Auto 100% Summer Bypass	✓	✓
Easy Access Filters	✓	✓
G3 Filter	✓	✓
M5, F7 Filter Options	✓	✓
Very Low Noise Levels	✓	✓
Built-In Humidistat	✓	✓
Active Frost Protection to -20C	✓	✓
Delay-On	✓	✓
Clean Filter Indicator (Time)	✓	✓
Clean Filter Indicator (Pressure)	X	✓
Fault Code Indicator	✓	✓
Switched Live	✓	✓
Volt Free	✓	✓
0V - 10V Proportional Control	✓	✓
BMS Input/Output	X	✓
Lightweight	✓	✓
22mm or 32mm Condensate Connection	✓	✓
Left/Right Orientation Through Control	✓	✓
Ventwise Control	O	O
PIN Number Lock	✓	✓
Running Time Indicator	✓	✓
Pre-Heater Controller	O	O
Post-Heater Controller	O	O
Enthalpy Heater Exchanger	O	O
Fan Curve Flow	✓	✓
Constant Volume	X	✓
Constant Pressure	X	✓
Email/Text Status Notifications	X	✓
Soft-Start Boost	✓	✓
Mounting Options	Wall	Surface

O - Optional extra contact us for more information

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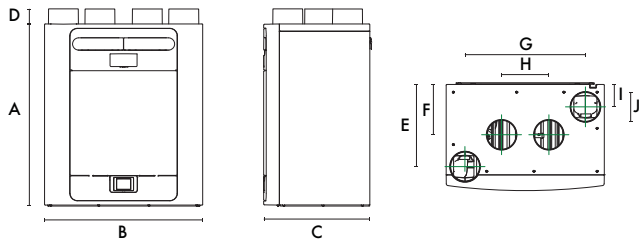
SAP PCDB Test Results

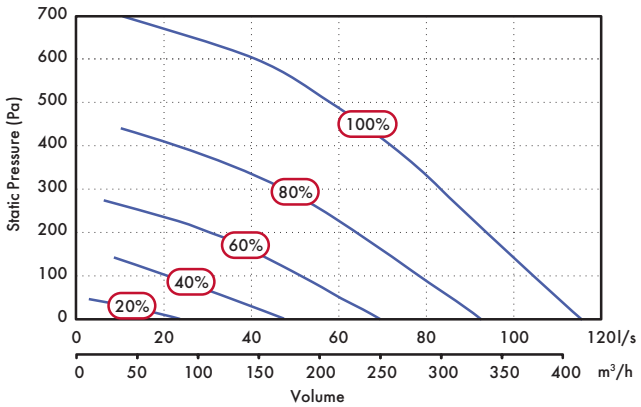
	Thermal Efficiency %	SFP (W/l/s)
K+1	93	0.38
K+2	93	0.38
K+3	92	0.42
K+4	92	0.50
K+5	91	0.58
K+6	91	0.68
K+7	90	0.82

Dimensions (mm)



A	B	C	D	E	F	G	H	I	J	kg
760	660	443	63	343	210	503	197	93	125	27

Maximum Airflow



Sound Spectrum

Octave Band (Hz) Sound Power Levels, dB

Speed	Test mode	63	125	250	500	1k	2k	4k	8k	SPL dB(A) @ 3m
100%	Extract	72.4	70.5	60.5	56.4	49.8	46.3	39	33.4	42.0
	Supply	79.4	69.6	66.6	75.1	64.9	63.6	53.4	45.7	56.2
	Breakout	64.9	54.4	51.4	57.8	46.2	43.8	39.7	36.9	35.6
80%	Extract	75.5	68.6	59.3	56	48.3	44.2	36.9	31.3	41.1
	Supply	82.4	67.6	65.2	67.6	64.2	60.8	50.8	43.2	51.7
	Breakout	58	56.3	50.4	62	44.8	42.1	38.1	35.3	38.7
60%	Extract	60.6	60.3	54.2	49.5	44.4	36.2	27.9	26.3	34.2
	Supply	66.9	62.4	63.3	62	57.9	53.5	43.4	34.2	45.7
	Breakout	60.2	49.5	48.2	47.4	40.2	35.7	33.3	28.7	27.1
40%	Extract	51.9	51.3	50.4	41.2	35	25.3	19.8	25.4	27.3
	Supply	59.5	56.5	59.4	55	48.2	42.6	31.8	26.1	38.4
	Breakout	42.6	39.2	43.9	39.2	31.5	26.3	24.1	22	19.5
20%	Extract	50.3	49	36	31.5	23.6	16.1	18.9	25.3	18.9
	Supply	52.9	50.9	46.8	43	34.6	27.1	19.2	25.4	26.4
	Breakout	30.7	28.3	32.2	26.9	18.6	15.3	17.9	21.5	8.4

Tested according to BS848. Breakout quoted spherical. Supply and Extract quoted hemispherical.