

Lo-Carbon Sentinel Kinetic® Plus MVHR Unit



Features and Benefits

- SAP Q Eligible - specific fan powers down to 0.49
- Light weight for easy installation.
- Easy access filters.
- External condensate connection.
- Plug and play controls; Humidistat, Vent-Wise, Wireless remote.
- Switched line inputs (Light switch control)
- Volt free inputs for proportional control.
- Self diagnosis for simplified fault finding.
- Multiple switching options: Light switch, PIR, Humidistat etc.
- Delay on/delay off timer.
- Manufactured in the UK.

A wholehouse heat recovery system with 92% energy efficiency. An easily accessible heat recovery cube protected by two removable EU3 filters. Two Lo-Carbon Energy Saving EC DC fans ensure long life (typically over double the life of AC motors) and lowest possible energy use. Fully insulated construction with built in condensation drain.

Lo-Carbon Sentinel Kinetic meets the latest requirements of the Building Regulations Document F 2006 for wholehouse system ventilation.

The Lo-Carbon Sentinel Kinetic models have 3 adjustable speeds, nominally. On the front of the unit is a digital controller that can be used to re-set the speeds to any required performance, up to 400m³/hr. Offering 'Close Control' to prevent over ventilating

In addition the operating temperature settings can be pre-programmed for automatic operation of the summer bypass.

Options

The integral humidity sensor increases fan speed in proportion to relative humidity levels, saving energy and reducing noise. The sensor also reacts to small but rapid increases in humidity, even if the normal trigger threshold is not reached. This unique feature ensures adequate ventilation, even for the smallest wet-room.

Night time relative humidity setback feature suppresses nuisance tripping as dwelling humidity gradually increases with falling temperature.

Acoustically lined - low noise levels from only 20dB(A) @3m

Airflow Options

Normal; Airflow based on system pressure. Airflow reduces as system pressure increases. Constant Volume; Maintains pre-set airflow irrespective of system pressure. Constant Pressure; Maintains system pressure by adjusting airflow when constant pressure dampers open or close.

Model Stock Ref

Kinetic Plus B **443028**
 Kinetic Plus CVP **443029**
 (Constant volume or pressure)

Accessories

Model Stock Ref

Integral humidity sensor **441838**
 Wireless enable kit **441865**
 Vent-Wise Controller **441780**

Kinetic Spare Filters 2 pack **443351**

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SAP Appendix Q Performance

	Specific Fan Power (W/l/s)	Temperature Efficiency %
K+1	0.56	92%
K+2	0.49	92%
K+3	0.52	91%
K+4	0.57	90%
K+5	0.62	90%
K+6	0.70	89%
K+7	0.80	89%

User Benefits

- Delay-on timer prevents unnecessary boosting
- Delay-off timer ensures effective moisture removal
- 100% Summer bypass option takes advantage of free cooling
- Very low energy consumption for low running costs and reduced carbon footprint Lo-Watt DC motor with 5 year warranty for years of trouble free use
- Very low noise levels
- Easy access filters and cleaning reminder
- Open flue setting ensures safe ventilation when used with an open flue heating appliance
- Heat Recovery 92% thermal efficiency
- Only 24kg - easy installation and handling
- Left or right hand installation (Right hand supplied)

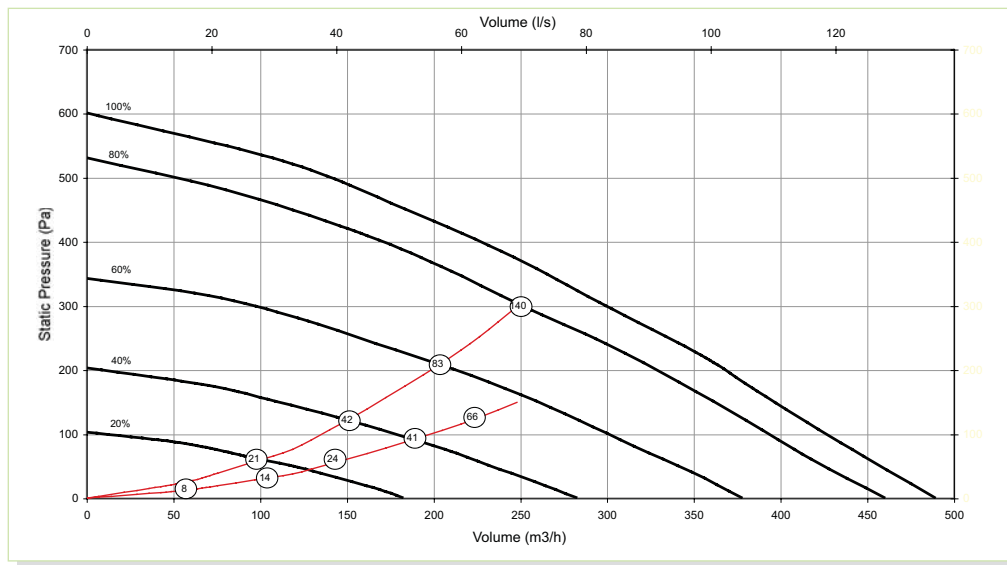
Developers and Landlord Benefits

- SAP Appendix Q eligible
- Building Regulations Part F compliant
- Clean Filter indicator
- PIN number lock on Commissioning menu
- 7 day dry-out setting
- Running time duration indicator
- Fault code indicator and Service number
- BMS input and output
- Reduces DER's to assist with code for sustainable homes compliance
- Ultra quiet

Performance

Fan speeds are fully adjustable within the performance range

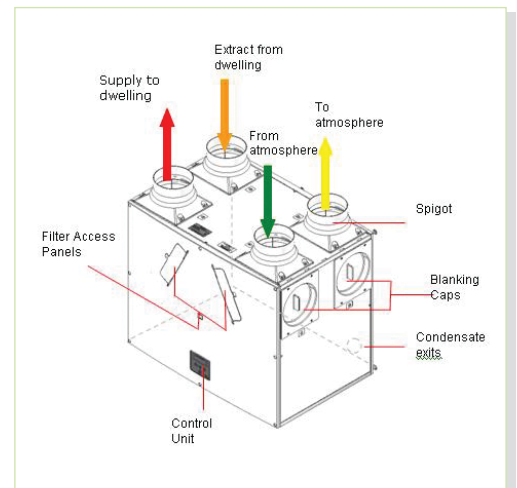
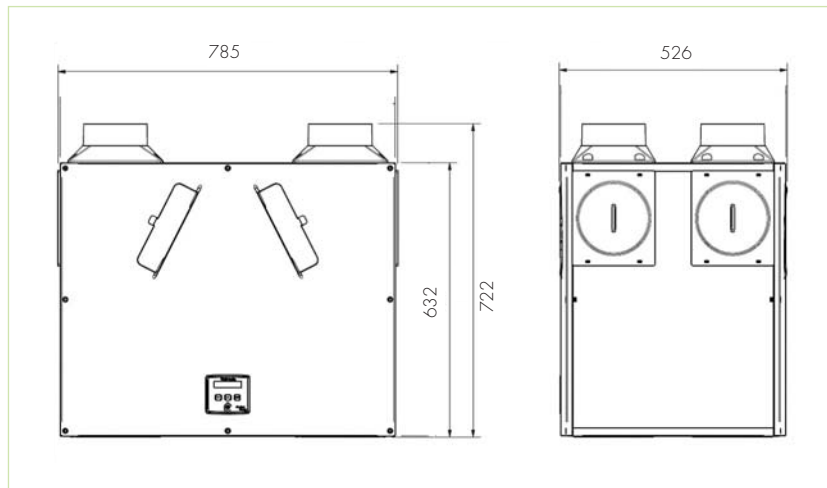
Horizontal and Vertical Spigots



Airflow Options

Normal; Airflow based on system pressure. Airflow reduces as system pressure increases.

Constant Volume; Maintains pre-set airflow irrespective of system pressure. Constant Pressure; Maintains system pressure by adjusting airflow when constant pressure dampers open or close.



These products may be purchased individually from DEALEC or with a number of service options...

- 1/ ***A detailed specification for your project***
to ensure compliance with Part F of Building Regulations (2006)
- 2/ ***Supply and Site Support***
to include advice for you or your installer to ensure Best Installation Practice
- 3/ ***Commissioning and Certification***
for Approved Document F of Building Regulations (2006)
- 4/ ***A full Turnkey Service***
to include specification, survey, installation, commissioning and certification by experienced, qualified engineers

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