

Lo-Carbon Centra®/SELV dMEV Unit

Features & Benefits

- Part F compliant, System 3 Continuous mechanical extract.
- SAP Appendix Q eligible - Low SFP on SAP Q.
- Quietest dMEV available.
- Discreet, tasteful styling.
- Single fan for use in all applications.
- IPX4 rated - IPX7 rated (SELV)
- Constant volume option.
- Normal and Boost speeds.
- Lo-Carbon motor offering 90% energy savings and long life.
- 5 Year Motor Guarantee
- Suitable for wall, ceiling, panel and window mounting.
- SELV Models - Supplied with a remote transformer.
- Suitable for 'Zone 1' installation

What is de-centralised MEV (dMEV)

The Building Regulations Part F gives examples of four main methods of ventilation, System 3, Continuous mechanical extract ventilation can be achieved using a single centralised extract unit such as the Sentinel Multivent ducted to 'wet' rooms (kitchen, bathroom, en-suite and WC) or by decentralised individual fans in the 'wet' rooms. The fans run continuously at near silent levels providing a simple and effective form of ventilation.

SELV (Safety Extra Low Voltage) is designed for areas where a fan can be installed within Zone 1 in a room where there is a fixed bath or shower. Ingress Protected (IP) to IPX7 Lo-Carbon Centra SELV can be fitted safely within the spray area. The separate transformer can be mounted away from the spray zone and out of reach from the bath or shower.

The Lo-Carbon Centra meets the latest requirements of the Building Regulations

Document F 2010 for wholehouse system ventilation.

Selection of the two normal flow rates (6l/s or 9l/s) is via a simple 'jumper' on the control board. Different methods are available for operating boost speed from a simple switched live to integral humidistat or CO₂ sensor. See individual models for further details.

The attractive and discreet styling of the Vent-Axia Lo-Carbon Centra will complement the décor of any new home while virtually silent operation ensures optimum ventilation is achieved without intrusive noise.

Lo-Carbon Centra

The SAP Appendix Q eligible Lo-Carbon Centra has a specific fan power of only 0.18 w/l/s in through-the-wall kitchen applications.

Models

Lo-Carbon Centra

Optional Constant Volume. The integral digital air velocity sensor will monitor the airflow and maintain the preset extract flow rate of either 6l/s, 9l/s or 15l/s, minimising energy use and noise.

Stock Ref
441782

Lo-Carbon Centra/SELV T (Timer)

Ideal for bathroom and toilet applications, this unit runs continuously on trickle setting and may be boosted by the switched live input which activates the timer (adjustable up to 30 minutes).

Model	Stock Ref
T	442954
SELV T	443175

Lo-Carbon Centra/SELV HT (Humidistat/Timer)

For bathroom/toilet applications, the continuous running HT model is automatically boosted by the built-in humidistat or by a switched live input which activates the timer (adjustable up to 30 minutes).

Model	Stock Ref
HT	442955
SELV HT	443176

Lo-Carbon Centra/SELV HTP (Humidistat/Pullcord)

For bathroom/toilet applications, the continuous running HTP model is automatically boosted by the built-in humidistat or by the pullcord which activates the timer (adjustable up to 30 minutes).

Model	Stock Ref
HTP	443045
SELV HTP	443177

Lo-Carbon Centra CO₂ and humidity

Continuous running, automatically boosted with integral CO₂ and humidistat sensor.

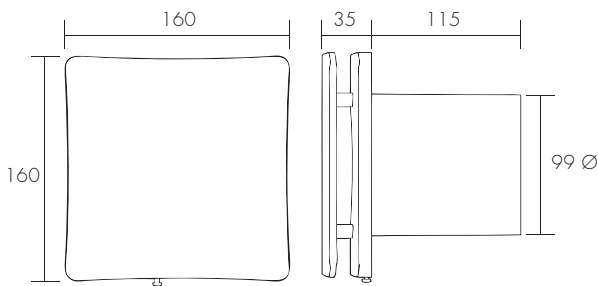
Stock Ref
444672

150mm Conversion Kit

Stock Ref
443334



Dimensions (mm)



Transformer (W x H x D) 87 x 87 x 33

For wall/window fitting kit refer to Ducting Section

Performance Guide

Model	Extract Performance (l/s)			Power consumption (Watts)			Sound dB(A)@ 3m		
	Trickle low	Trickle high	Boost	Trickle low	Trickle high	Boost	Trickle low	Trickle high	Boost
Lo-Carbon Centra	6	9	15	1.4	1.6	2.4	10.8	15.5	25.2
Lo-Carbon Centra/SELV T	6	9	15	1.4	1.6	2.4	10.8	15.5	25.2
Lo-Carbon Centra/SELV HT	6	9	15	1.4	1.6	2.4	10.8	15.5	25.2
Lo-Carbon Centra/SELV HTP	6	9	15	1.4	1.6	2.4	10.8	15.5	25.2
Lo-Carbon Centra CO ₂	6	9	15	1.4	1.6	2.4	10.8	15.5	25.2

SAP Appendix Q Performance

Systems With Rigid Ductwork Installation Only

Unit Configuration	Location	Fan Speed Setting	Flow Rate (L/s)	Flow Rate - Wind Condition (l/s)	Specific Fan Power (W/l/s)	% Reduction Of Total Flow Rate
In Room	Kitchen	High	13.2	12.4	0.32	6
In Room	Wet Room	9 L/s	8.4	8.0	0.28	5
Through Wall	Kitchen	High	13.5	13.0	0.18	4
Through Wall	Wet Room	9 L/s	8.6	8.0	0.20	8

Systems With Flexible Or Mixed Ductwork Installation Only

Unit Configuration	Location	Fan Speed Setting	Flow Rate (L/s)	Flow Rate - Wind Condition (l/s)	Specific Fan Power (W/l/s)	% Reduction Of Total Flow Rate
In Room	Kitchen	High	13.2	12.5	0.32	5
In Room	Wet Room	9 L/s	8.6	7.9	0.28	8
Through Wall	Kitchen	High	13.5	13.0	0.18	4
Through Wall	Wet Room	9 L/s	8.6	8.0	0.20	8