

# Lo-Carbon Centra®/SELV dMEV Unit

BPC Ventilation Ltd  
8 Redlands Road  
Larne  
BT40 1AX  
T: 028 2827 5150  
E: info@bpcventilation.com  
W: www.bpcventilation.com

## Features & Benefits

- Building Regulations Approved Documents F and L compliant, System 3 Continuous mechanical extract
- Recognised in SAP Appendix Q - Low SFP on SAP Q
- Quietest dMEV available
- Discreet, tasteful styling
- Single fan for use in all applications
- IPX4 rated - IPX7 rated (SELV)
- Pressure detection device
- 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
- SELV Models Suitable for 'Zone 1' installation

## What is de-centralised MEV (dMEV)?

Building Regulations Approved Document 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, such as the Lo-Carbon Centra 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 Approved Document F 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. 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

dMEV version recognised in SAP Appendix Q. 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 dMEV

Auto speed selection at installation. The integral air pressure sensor checks the airflow when first installed and also helps the fan to compensate for external wind pressure.

**Stock Ref**  
**441782**

### Lo-Carbon Centra T/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 adjustable timer (5-30 minutes).

Model	Stock Ref
T	<b>442954</b>
SELV T	<b>443175</b>

### Lo-Carbon Centra TP/SELV TP (Timer/Pullcord)

For bathroom/toilet applications, the continuous running TP model is boosted by the pullcord which activates the adjustable timer (5-30 minutes).

Model	Stock Ref
TP	<b>447127</b>
SELV TP	<b>447128</b>

### Lo-Carbon Centra HT/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 adjustable timer (5-30 minutes).

Model	Stock Ref
HT	<b>442955</b>
SELV HT	<b>443176</b>

### Lo-Carbon Centra HTP/SELV HTP (Humidistat/Timer/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 adjustable timer (5-30 minutes).

Model	Stock Ref
HTP	<b>443045</b>
SELV HTP	<b>443177</b>

**150mm Conversion Kit**  
**Stock Ref**  
**443334**

**Wall Kit**  
**Stock Ref**  
**254102 (White)**  
**254100 (Brown)**

**Window Kit**  
**Stock Ref**  
**442947**

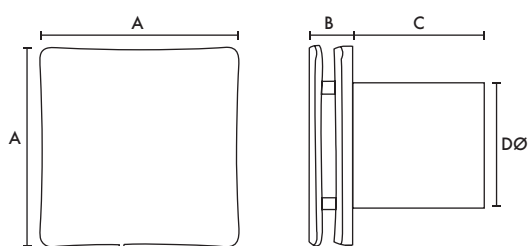
**Ceiling Kit**  
**Stock Ref**  
**443800**



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Winners of the Energy Efficiency Initiative 2011 Award  
with our Lo-Carbon Continuous Ventilation Product Range

## Dimensions (mm)



Model	A	B	C	DØ
Lo-Carbon Centra dMEV/All SELV	160	35	115	99
Lo-Carbon Centra T/TP/HT/HTP	160	35	80	99

Transformer 87 x 87 x 33mm (W x H x D)  
(SELV models only)

## Performance Guide

Model	Extract Performance (l/s)			Power Consumption (Watts)			Sound dB(A)@ 3m		
	Trickle	Trickle	Boost	Trickle	Trickle	Boost	Trickle	Trickle	Boost
	Low	High		Low	High		Low	High	
Lo-Carbon Centra dMEV/All SELV	6	9	15	1.4	1.6	2.4	10.8	15.5	25.2
Lo-Carbon Centra T/TP/HT/HTP	6	9	15	3.2	3.5	4.2	10.8	15.5	25.2

## SAP Appendix Q Performance (dMEV model)

### Systems With Rigid Ductwork Installation Only

Unit Configuration	Location	Fan Speed Setting	Flow Rate (l/s)	SFP (W/l/s)
In Room (Ducted)	Kitchen	High	13.2	0.32
In Room (Ducted)	Wet Room	9 l/s	8.4	0.28
Through Wall	Kitchen	High	13.5	0.18
Through Wall	Wet Room	9 l/s	8.6	0.20

### Systems With Flexible Or Mixed Ductwork Installation Only

Unit Configuration	Location	Fan Speed Setting	Flow Rate (l/s)	SFP (W/l/s)
In Room (Ducted)	Kitchen	High	13.2	0.37
In Room (Ducted)	Wet Room	9 l/s	8.6	0.31
Through Wall	Kitchen	High	13.5	0.18
Through Wall	Wet Room	9 l/s	8.6	0.20