

# Wall Mounted Unit

Whole House Positive Ventilation System



The EnviroVent Wall Mounted Unit is designed to provide whole home ventilation and eradicate condensation from the home without a loft space. Energy efficient, the unit introduces an almost imperceptible air supply throughout the living space to transform a stagnant, stale atmosphere into a fresh, healthy, condensation free environment.

Features

- Ultra Low Watt DC Motor Technology
- Integral Hours Run Meter
- Integral Pre-Heater
- 5 year guarantee

Benefits

- Reduces/eliminates surface condensation
- Expert fitting staff
- Quiet operation
- Eliminates mould
- Stops streaming windows
- Removes musty odours
- Improves air quality
- Enhances heat distribution
- Benefits asthma sufferers
- BBA approved

## Energy Efficiency

Powered by an Ultra Low Watt Brushless Motor, the EnviroVent Wall Mounted Unit utilises the latest technology to ensure minimum energy consumption and long term trouble free life.

Warm air accumulates at ceiling level. This air can be up to 7°C higher than the internal air at ground level. By introducing an almost imperceptible air supply into the dwelling, the EnviroVent wall mounted unit helps to redistribute heat around the home and thus reduce space heating costs.

During the heating season significant energy is lost incurred by opening windows to reduce humidity and condensation.

By installing an EnviroVent Wall Mounted Unit and providing fresh filtered air to the home humid air is displaced without opening windows and thus making significant savings to the occupier.

## Health Benefits



With improved building features in our homes, such as cavity wall insulation, double glazing and draught proofing 'natural ventilation' is prohibited. Stale air is trapped causing streaming windows, which ultimately leads to musty smells, dampness and mould growth.

These mould spores are known allergens and become airborne at the slightest disturbance. The microscopic spores are then inhaled and can trigger respiratory problems such as asthma, dust allergies and hayfever. The EnviroVent Wall Mounted Unit draws fresh air into the dwelling from outside and filters it before being delivered into the property. Moisture laden air is diluted, displaced and replaced with clean, tempered and filtered air. This eliminates or reduces surface condensation, which causes mould growth, providing a significant improvement in the health of asthma sufferers and general indoor air quality.



## Lifecycle Costs



With 5 year ongoing warranties and superior long life filters the unit achieves the lowest life cycle costings. Once installed, there is no requirement for any maintenance within the first three years, after which the air quality filter should be cleaned or replaced. All other component replacement is carried out simply and quickly by exchanging the consumable items. The worn out components are then taken back to the factory to be recycled thus reducing the impact on landfill and saving millions of pounds in replacement costs.

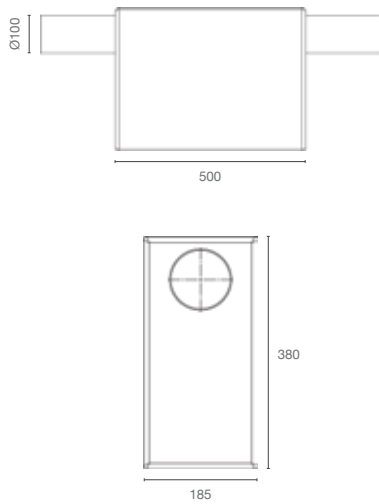


## Pre-Heater and Hours Run Meter

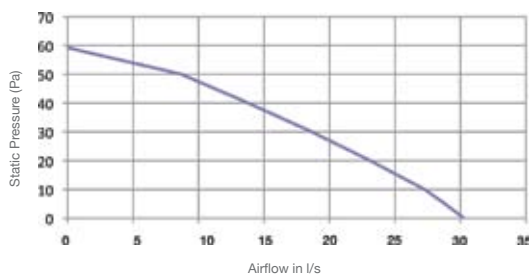
The integral pre-heater is designed to temper the incoming air during periods of low external temperatures. A sensor monitors incoming air and pulses the heater to ensure temperatures are held to pre-set minimums. Three independent safety cut-out devices shut down the heater in the event of fan failure. The heater facility is controlled independently from the fan by a conveniently positioned enable/disable switch. For monitoring of operational life and verification of usage, an integral Hours Run Meter is fitted.



## Dimensions (mm)



## Performance Curve



## Options & Ancillaries

Product 	Description 	EnviroVent Code 
	Round Rigid Ducting 100mm	1RD 100 X 2M
	Louvre Grille 100mm	1MF FIX LOUV**
	Box Profile	Please refer to page 119

## Technical Specifications

### Product

Whole house positive input ventilation system for apartments and flats.

### Applications

Sited on a suitable wall, the EnviroVent Wall Mounted Unit delivers air to the central hallway to provide displacement ventilation in order to improve air quality and resolve condensation related problems.

### Performance

	<19°C (1)	>19°C (2)
Maximum airflow l/s (m³/hr)	26 (93.6)	36 (130)
Maximum power (W)	10.9	16.0
Maximum sound levels dBA @ 3m	38.3	-
Speed settings	4	4

(1) The unit performs in 'condensation control mode' at air temperatures below 19°C

(2) The unit performs in energy saving 'heat source mode' at air temperatures above 19°C

### Installation

Full installation guide enclosed with all products; or sent separately in advance - if required.

### Motor

Incorporates the Ultra Low Watt DC Motor Technology with sealed for life bearings designed to operate continuously at a pre set 'background' rate.

### Fan

Is a 140 x 220mm centre mounted forward curve centrifugal fan.

### Filter

Is fitted with an integral insect filter.

### Servicing / Maintenance

Achieved by removal/exchange/replacement of filters and consumable items. There should be a filter exchange after 24-36 months.

### Guarantee

Covered by an on-going, repeatable 5-year warranty, subject to the completion of specified maintenance.

### Integral "intelligent low temperature" Comfort Heater

Powered by a single supply and capable of holding incoming air temperatures reasonably accurately - around 10°C. The heater element is manufactured in a solid tubular sheath material and not in open wire format.

### Accreditations

BBA - Certificate No.: 03/4043

CE - EMC Compliance: EEC/89/336

Low Voltage Directive IEC 72/73/EEC

## Running Costs

Trickle Setting / Medium Setting	Annual running cost with heater DISABLED. All costs are based on an electricity cost of £0.15 per unit (kWh).
£7.48 / £8.80	

Household Appliance	Time required to consume £7.48 of electricity
Wall Mounted Unit (PIV)	1 Year
Fridge Freezer	26 Days
21" TV (Viewing Time)	19 Days
100W Light Bulb	19 Days
Home Computer	6 Days
Games Console	6 Days
Iron	2 Days
Tumble Dryer	20 Hours
Coldfill Dishwasher	22 Full Loads

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