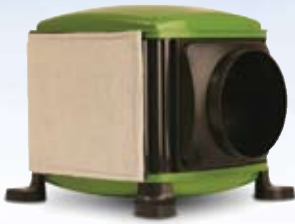


PIV Loft Mounted Unit

Whole House Positive Input Ventilation System



The EnviroVent Loft Mounted Unit is a sophisticated whole home ventilation and condensation control unit for homes with a loft space. The unit gently ventilates the home from a central position on the landing in a house or the central hallway in a bungalow to transform a stagnant and stale atmosphere into a fresh, healthy and condensation free environment.

Features

- Superior long life filters
- 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
- Takes advantage of the benefits of solar gain
- Benefits asthma sufferers
- BBA approved

Energy Efficiency

Powered by an Ultra Low Watt Brushless DC Motor, the EnviroVent Loft Mounted Unit utilises the latest technology to ensure minimum energy consumption and long term trouble free life, achieving up to 80% more efficiency than a traditional AC fan.

The unit takes maximum advantage of the benefits of solar gain from within the loft space - the natural accumulation of heat from the sun on bright days. Temperatures in the loft space are on average 3°C higher than outside, which results in a relative saving of around 150 Watts per day in an average modern family home. This equates to approximately 10% of annual heating costs.

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 from the loft space, the EnviroVent Loft 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 Loft 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.

PIV Air Source model

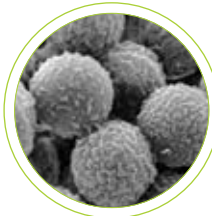


Health Benefits



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 Loft 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.



Life-Cycle Costs



With 5 year on-going maintenance free warranties and superior long life filters the unit achieves the lowest life-cycle costings.

All repairs, maintenance and component replacement is carried out simply and quickly by exchanging the filters and 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.



Upgrade to PIV Air Source



Going beyond traditional input ventilation, the PIV Air Source has the facility to source cooler air from outside the building when the temperature in the loft space rises above 25°C or on demand through a multiple of wireless control switches.

Detecting the rise in temperature, the unit starts to draw air from atmosphere via a temperature controlled diverter mechanism. This not only provides efficient perception cooling into the property during warmer weather, but also maintains the required level of ventilation continuously throughout the year. This facility is greatly beneficial for properties affected by high levels of Radon.

Annual Running Costs

Calculation is based on electricity cost at the time of print. The PIV Air Source Unit has been calculated at 320 days supplying air through the filter and 45 days sourcing directly from outside taken from average annual temperatures. The calculations must therefore be used as a guide only.

Settings

PIV Loft Mounted Unit

Trickle	Medium
£3.18	£4.35

PIV Air Source

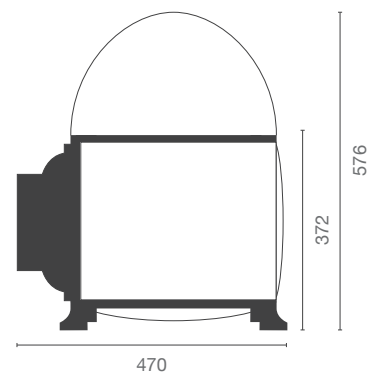
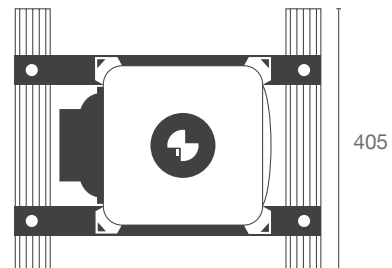
Trickle	Medium
£4.45	£5.51

Annual running cost comparisons against other household appliances

Household Appliance	PIV Loft Mounted Unit Time required to consume £4.35 of electricity	PIV Air Source Time required to consume £5.51 of electricity
Fridge Freezer	15 Days	19 Days
21" TV (Viewing Time)	11 Days	14 Days
100W Light Bulb	11 Days	14 Days
Home Computer	3.5 Days	4.5 Days
Games Console	3.5 Days	4.5 Days
Iron	30 Hours	38 Hours
Tumble Dryer	12 Hours	14.5 Hours
Coldfill Dishwasher	13 Full Loads	16.5 Full Loads

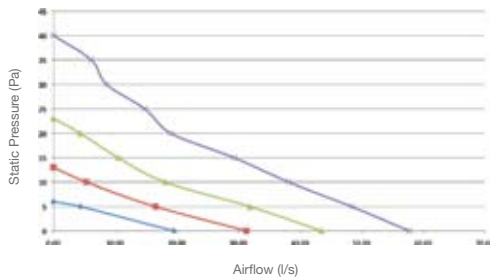
Annual running cost with heater DISABLED. All costs are based on an electricity cost of £0.15 per unit (kWh).

Dimensions (mm)

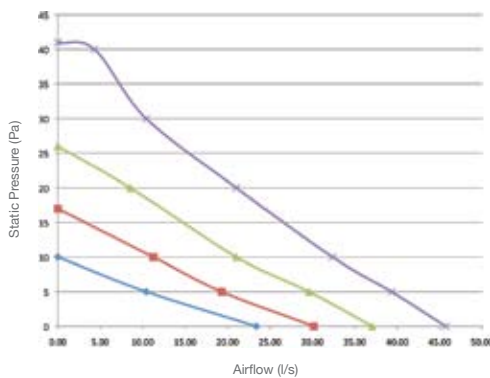


Performance Curves

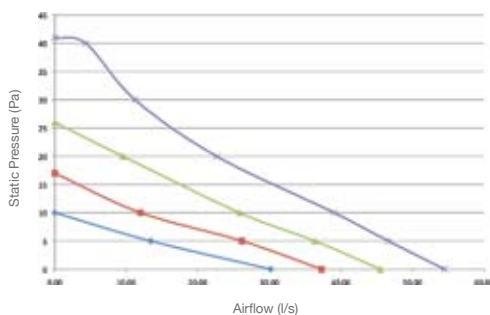
PIV Loft Mounted Unit



PIV Air Source with summer by-pass NOT activated



PIV Air Source with summer by-pass activated



—●— Trickle —●— Large
—●— Medium —●— Boost

Technical Specifications

Product

Whole house positive input ventilation system for properties with a loft space.

Applications

PIV Loft Mounted Unit

Sited in a loft space, the unit delivers air to the central hallway or landing via a four-way diffuser with purpose made blank plates to maximise efficiency of airflow and aid in heat recovery from ceiling level. This provides displacement ventilation in order to improve air quality and resolve condensation related problems.

PIV Air Source

The PIV Air Source Unit has the additional facility to draw air from atmosphere during the warmer months of the year when the temperature in the loft space exceeds 25°C. This provides efficient perception cooling into the property and maintains the required level of ventilation continuously throughout the year.

Performance & Sound Levels

Unit	PIV Loft Mounted	PIV Air Source with summer by-pass not activated	PIV Air Source with summer by-pass activated
Maximum Airflow l/s (m ³ /h)	59 (212)	46 (165)	54 (194)
Maximum Power (W)	9	8	8
Maximum Sound Levels dB(A) @ 3m	28	28	28
Speed Settings	4	4	4

Installation

The unit must be secured firmly to the joists using cross batons for lifetime installation. Full installation guide is enclosed with all products; or sent separately in advance - if required.

Construction

ABS plastic to contain at least 50% recycled material.

Motor

Incorporates the Ultra Low Watt DC motor technology with sealed for life ball bearings designed to operate continuously at a pre-set 'background' rate.

Fan

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

Filter

Is a synthetic fibre based filter mat to G4 standard in accordance with EN779 standard ratings, conforming to all European Union and US fire classification standards (e.g. DIN 53438-F1 and UL900-class 2) and be self-extinguishing.

Servicing / Maintenance

Achieved by exchanging filters and consumable items. There should be no requirement for any maintenance within the five year period.

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

Options & Ancillaries

Product ●	Description ●	EnviroVent Code ●
	EnviroVent Diffuser	1DIF EVL DIF
	Flexible Hose Ducting Ø200	1RD FLEX 200 X 1M
		1RD FLEX 200 X 3M
		1RD FLEX 200 X 6M

Order Codes

EVL PIV Loft Mounted Unit
 EVL-H PIV Loft Mounted Unit with heater
 EVL-H AS PIV Air Source with heater
 EVL-HW AS PIV Air Source with heater and wireless
 EV/SMOKE Smoke alarm for the above units

For more information on this product
 call 0845 27 27 810