

# Positive Input Ventilation - FAQs



## What is a Positive Input Ventilation (PIV) system?

Positive Input Ventilation (PIV) is a process which dilutes, displaces and replaces unhealthy air in our homes with clean, fresh and filtered air. Also available with a heater to preheat the air if required. The fresh air is delivered into a landing or hallway. It then gently ventilates all other rooms directly off the landing/hallway.

## How does air move around the property?

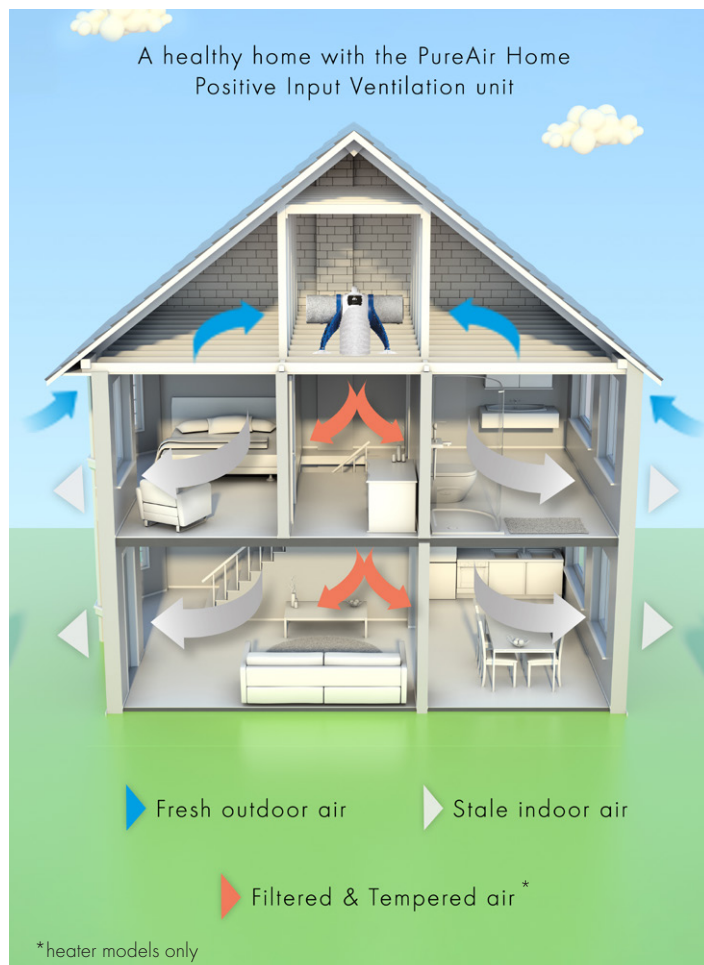
There are several causes that helps move air around our homes without even noticing, such as, the external pressure caused by the prevailing winds, and the temperature differentials inside the home will have a significant effect. So, without the use of effective ventilation, moisture generated in the bathrooms and kitchens can end up in the bedrooms leading to mould growth.

## Can this system be installed in an existing property?

Yes, this system can be easily installed in both new build and existing properties, as the duct runs are not intrusive.

## How long is the warranty on the Vent-Axia PIV unit?

Vent-Axia offers a 5 year warranty.



## Will introducing air into my home increase the pressure?

It is unlikely to increase the pressure because even refurbished homes that follow the latest guidance will leak air. A typical 3 bedroom home will leak at around 30 litres per second. The supply air from the PIV unit would normally be introduced at 21 litres per second. So it would be like trying to blow up a balloon with a hole in it.

**Vent-Axia**

[www.vent-axia.com/positive-input-ventilation](http://www.vent-axia.com/positive-input-ventilation)

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## How much does the Vent-Axia PIV unit cost to run?

For a 2 bedroom house, based on an energy cost of 34p kWh, with the PIV running on trickle mode for 23 hours and normal mode for 1 hour, it could cost approximately 4p a day to run. Over a year this would cost around £12.98.

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## How long will it take for the unit to show results?

Depending on the property, it will take between a few hours to a few days to see the effects. It may take a couple of weeks for the areas affected with mould to dry out. The unit can only prevent mould from forming, any mould already present should be removed prior to installation.

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## Does the unit need to be cleaned? If so, how often?

The unit does not require cleaning, however, it is good practice to clean the filters in some warm soapy water where pollution levels are high. The filters should be replaced every five years.

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## Is the Vent-Axia PIV unit noisy?

The unit has near silent operation and is not noisy. At the point of supply into the house the unit is almost inaudible at 14 dB(A).

## Will the unit eliminate condensation?

If all advice on the unit's installation and use is followed, the unit will significantly reduce the humidity in the property, therefore reducing condensation and the risk of mould.

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## Will it make the property colder?

If installed correctly, air movement will not be felt away from the diffuser as the incoming air mixes with the warm air at ceiling level and circulates around the property. The product, which comes with a comfort heater, can maintain the incoming air temperature. When the air in the loft is warm, the unit will boost to recirculate the warm air back into the property helping to save money on energy bills.

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## Will installing PIV cost me more to heat my home?

The Building Research Establishment tested Positive Input Ventilation and concluded that compared to extract fans with the same flow rate, it could save up to a maximum of 10% of the space heating costs.

Compared to extract fans, which removes humid air from the home, PIV units displace humid air by bringing fresh air inside through the loft space. Even with the PIV unit running the Building Research Establishment found that loft spaces are around 3°C warmer than outside. This is more energy efficient than air directly from outside.