

PIV L Range

Positive Input Ventilation Systems



 **Titon**[®]
ventilation systems

Positive Input Ventilation

The solution to reducing condensation, mould and indoor contaminants

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What is PIV?

Positive Input Ventilation or PIV as it's known is a concept that delivers fresh filtered air into a home at a continuous rate which results in the removal of condensation within the home.

Did you know...

It is the second most popular method of ventilating homes after intermittent extract fans?

The reason is...

In addition to the 112 pints of moisture that an average family produces per week through cooking, bathing, ironing and breathing, a concoction of other contaminants is present in the air within our homes.

These can have a detrimental effect on the fabric of our homes and the health of our families. With improved building features in our homes, such as cavity wall insulation, double glazing and draught proofing, 'natural ventilation' is severely restricted. Stale, contaminated air is trapped causing streaming windows, which ultimately leads to musty smells, dampness and mould growth.



Benefits and Features

- Ultra low watt DC motor technology
- 2 options available
- Sealed for life ball bearings
- Suitable for loft applications only
- Integral Hours Run Meter (as standard)
- Integral intelligent comfort heater
- (as standard)
- Remote control boost facility as standard on PIV L3
- Provides all year round quality filtered air
- Reduces/eliminates surface condensation
- Quiet operation
- Removes musty odours
- Enhances heat distribution
- Takes advantage of the benefits of solar gain in the loft space
- Benefits asthma sufferers by reducing dust mites and mould spores
- Reduces Radon levels



Protection Against

Mould

Mould spores account for a significant amount of household dust.

Dust Mites

You are sharing your bed with thousands of them!

Smoke

5-10% of all lung cancer is linked directly to passive smoking.

Radon

Studies have linked exposure to Radon to increased risk of lung cancer.

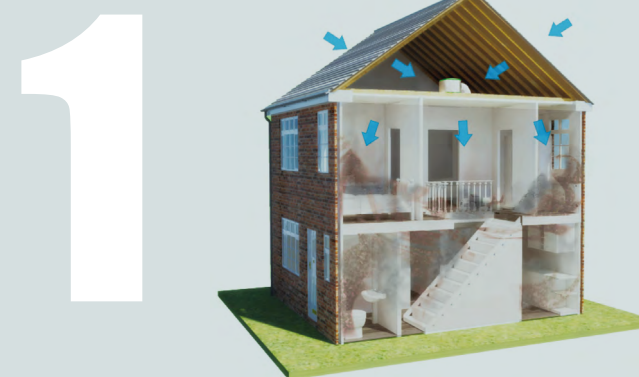
VOCs

Can lead to irritation and headaches as well as risk of neurotoxic effects.

The Process

Phase One

Shortly after the unit is installed the unit gently ventilates the home with fresh air. Air is pushed back down into the house and redistributed. Humidity is diluted and replaced to leave a healthy, fresh and clean environment to live in.



Phase Two

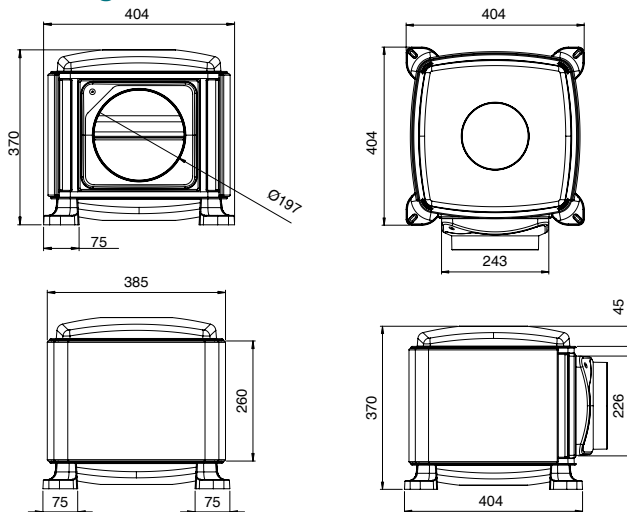
House is now free from contaminants, the unit transforms a stagnant, stale atmosphere into a fresh, healthy and condensation free environment.



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Drawings and Dimensions



Power and Sound Levels

Product	Incoming Air Temp. (°C)	Fan Speed Setting	Airflow (l/s)	Power Usage (W)	Specific Fan Power (SFP)	Outlet Noise dB(A) @3m
PIV L (TP230)	<19	Small	21	4	0.17	<15
		Medium	29	4	0.15	<15
		Large	38	6	0.16	<15
		Boost	49	9	0.19	15
PIV L3 (TP231)	<19	Small	20	3	0.13	<15
		Medium	27	3	0.13	<15
		Large	34	5	0.14	<15
		Boost	53	13	0.25	15

Performance curve results are based on the unit running below 19°C and exclude accessories.

Applications

Situated in a loft space, the unit delivers air to the central hallway or landing via a diffuser to maximise efficiency of airflow and aid in heat recover from ceiling level. This provides displacement ventilation in order to improve air quality and resolve condensation related problems.

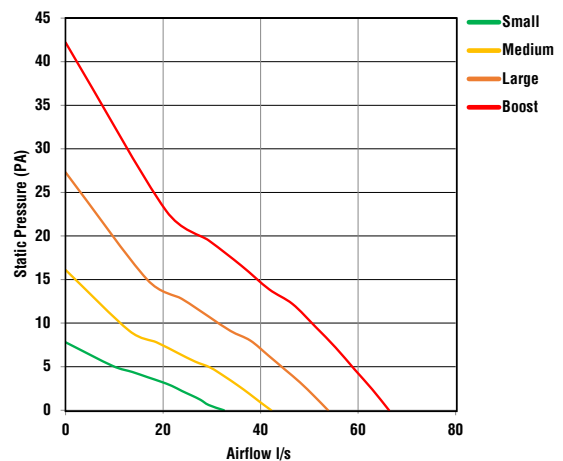
Accreditations

This product is in conformity with the European Low Voltage Directive 2014/35/EU and the EMC Directive 2014/30/EU including amendments. Full compliance with the relevant parts of the standards listed below supports the conformity of the designated product with the provisions of the above mentioned EC Directives.

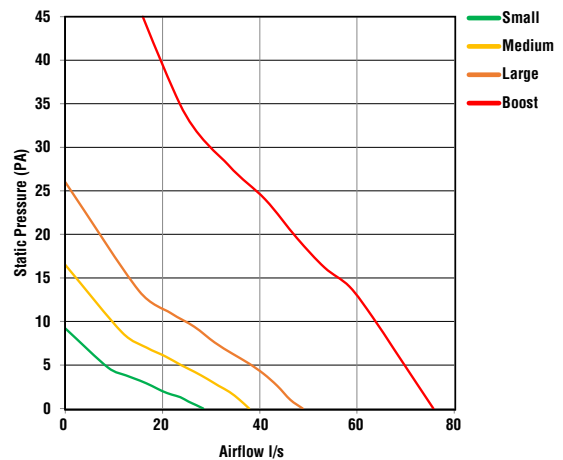
EN 60335-1:2012 + AC:2014, EN 60335-2-80:2003 + A1:2004 + A2:2009, EN 61000-6-1:2007, EN 61000-6-3:2007 + A1:2011, EN 62233:2008, EN 62311:2008

Performance Data

PIV L - (TP230)



PIV L3 - (TP231)



Specification

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: 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.