



Ventilation unit that provides supply ventilation in dwellings whose distribution does not allow use of whole house ventilation system.

The PIV unit draws air from the attic, where temperature is always higher than external air, passes air via a filter and supplies it into the dwelling via hallway below attic.

G4 filter is oversized (3 sides of the unit, 270°) to increase service life.

The unit includes 4 operating schemes with DC and low consumption motor, automatic regulation of airflows and electric battery that allows constant supply temperature.

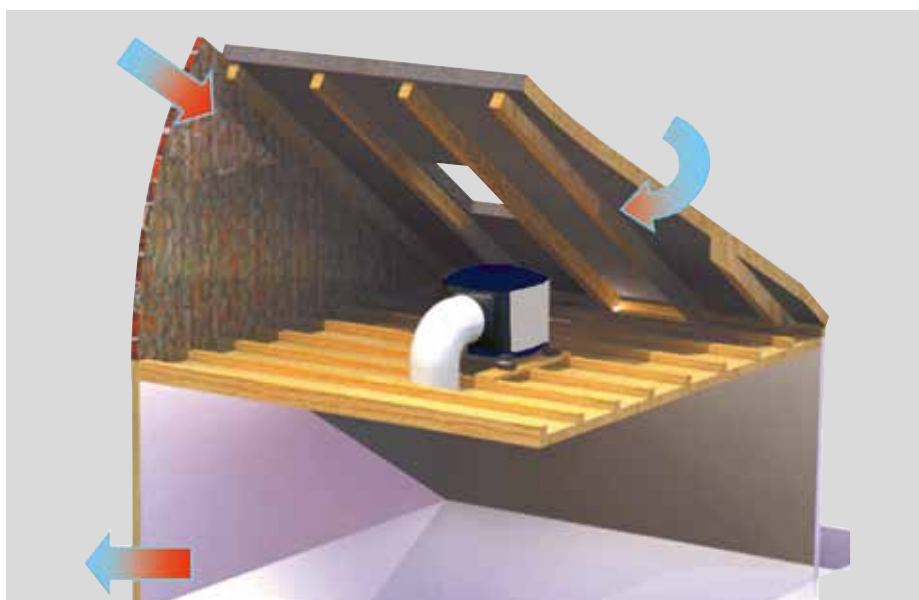
Versions

- PIV: standard model
- PIV BP: model equipped with by-pass to take air directly from outside.

Configuration

- G4 filter
- Electric battery of 500 W.
- Fan with DC motor.
- Supply valve with Ø 200 mm.
- 1m of flexible duct with Ø 200 mm .
- 1 fixing kit (screw and silent-blocks).

INSTALLATION



PIV unit takes the air from the attic, where temperature is always higher than external air, passes air via a filter and supplies it into the dwelling via hallway below attic.

It has available a pre-heating battery for the new air, for cold seasons. If the attic temperature is higher than 25°C, the ventilation stops.

PIV BP model has an outside air intake. If attic temperature is higher than 25°C, the unit directly takes the air from outside to avoid reheating of the dwelling.

OPERATION SCHEME



ADVANTAGES

- Easy to mount, it does not require complex construction.
- Filtering of the air supplied into the house.
- Self-regulation of temperatures according to outdoor conditions.



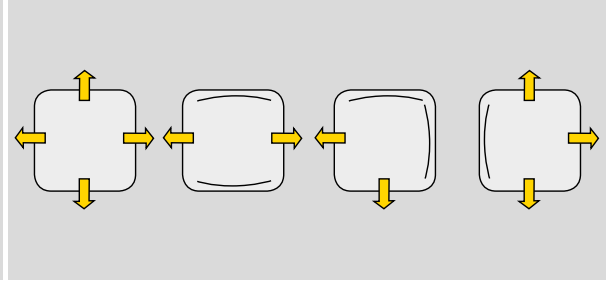
G4 air filter



A complete solution

In addition to the ventilation unit, the product also includes:

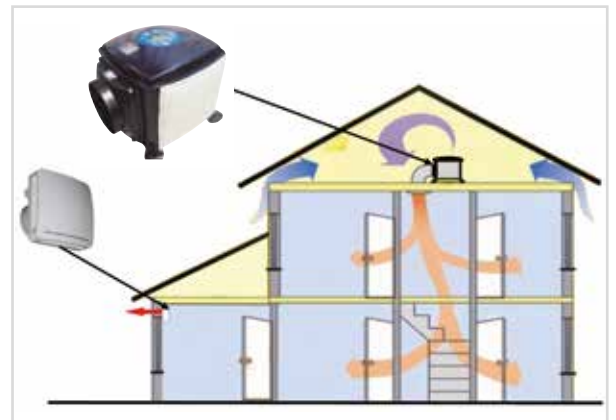
- 1 supply valve with Ø 200 mm.
- 1 m of flexible duct Ø 200 mm.
- 1 fixing kit (screw and silent-blocks).



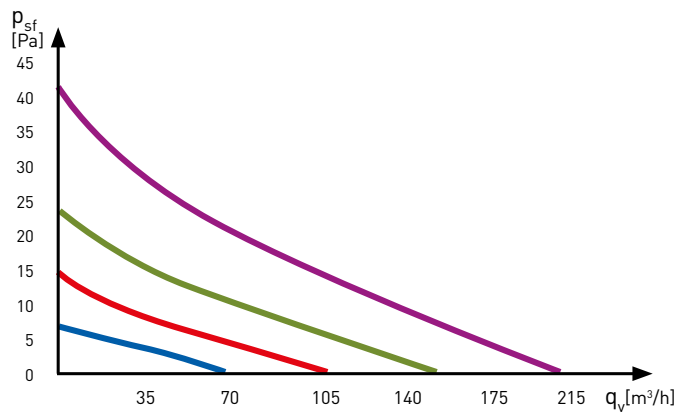
Recommendations for correct operation

In case of asymmetric dwelling it is advisable to mount a wall centrifugal extract fan ECOAIR DESIGN ECOWATT to improve the efficiency of the system.

In case of a very leak-tight dwelling or with any room with specific moisture problems, it is advisable to mount above the windows a inlet air of EC range or, in case of high noise level from outside, of ECA range.



PERFORMANCE CURVE



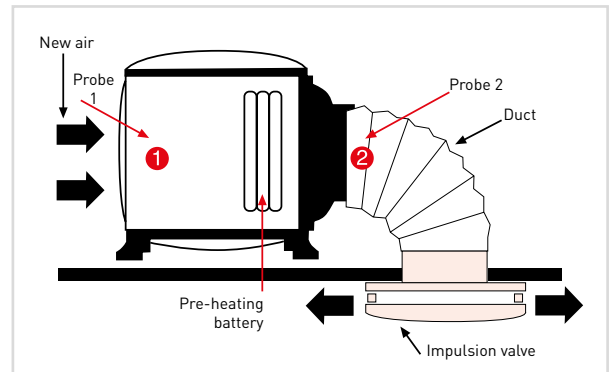
TECHNICAL CHARACTERISTICS

It is essential to check that the electrical characteristics (voltage, intensity, frequency, etc.) indicated in the motor plate are compatible with the installation.

Model	Voltage (V)	Motor	Absorbed power at free discharge (W)	Heating battery power (W)	Maximum airflow (m³/h)	Sound pressure level radiated at 3 m (dB(A))	Protection/Insulation
PIV	230	EC	9	500	210	28	IP20 / Clase II
PIV BP	230	EC	10	500	200	28	IP20 / Clase II

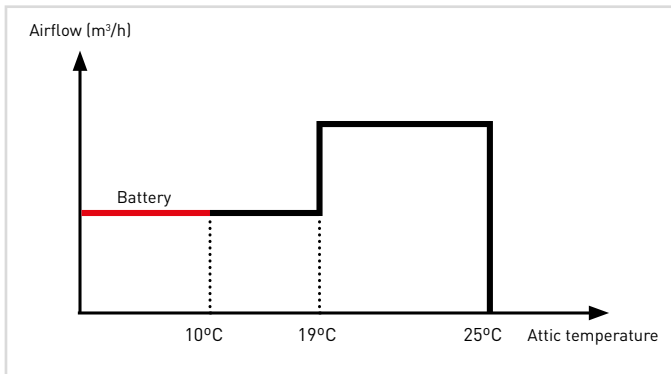
INCORPORATED PRE-HEATING BATTERY

An electric battery of 500W pre-heats the new air when needed. The battery only operates when supply temperature (probe 2) is lower than 10°C (or 15°C if we look for greater comfort). The operation of the battery is automatic, but it can be disconnected via a switch (not supplied).



REGULATION

According to the operation scheme selected, the unit modifies its airflow depending on the attic air temperature (probe 1). When it exceeds 25°C, the unit can optionally stop its operation, avoiding excessive heating of the house.



Operating schemes	T < 19°C		T > 19°C	
	Airflow (m³/h)	Power (W)	Airflow (m³/h)	Power (W)
1	70	4,1	100	6,2
2	100	6,2	140	8,6
3	140	8,6	210	11,1
4	210	11,1	210	11,1

Sensors can be disconnected, if necessary, and this way the unit would operate at one speed.

DIMENSIONS (mm)

