

Model	ØA	B	C	D	E
TEMPERO ECO V 250	125	660	710	600	403
TEMPERO ECO V 450	160	725	797	710	630

## TEMPERO ECO V E BP

### CENTRALIZED HEAT RECOVERY UNIT

- Heat Recovery Unit with counterflow heat exchanger for VERTICAL installation;
- High thermal efficiency: heat exchanger > 90%;
- Plug Fan with EC centrifugal brushless motors, high performance, low energy consumption;
- Equipped with synthetic fiber class G4 filters (F7 optional on fresh air);
- Self-supporting structure made of EPS material with outer coat painted

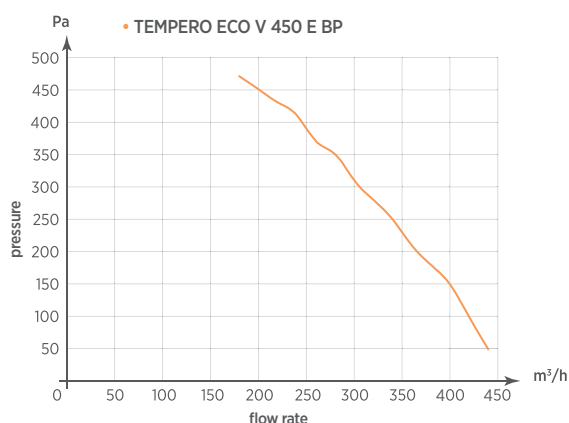
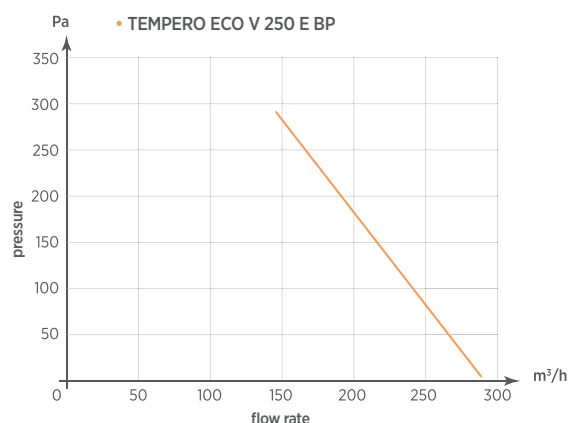
- steel;
- Drip tray to condensate drainage;
- Suitable for VERTICAL installation;
- Equipped with automatic BY-PASS;
- Adjustable speed through wireless controller (included);
- In Compliance with ERP 2016 Directive.



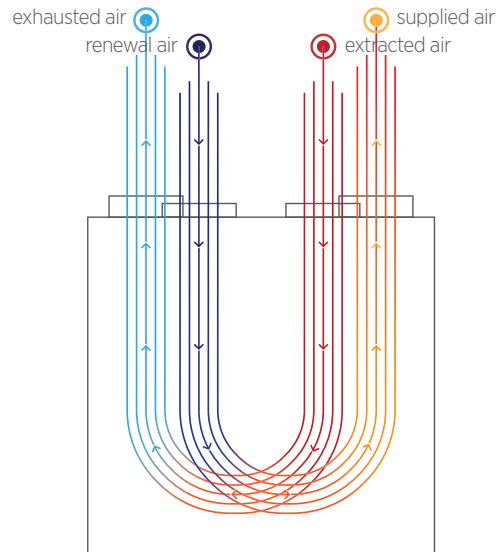
### TECHNICAL DATA

Model	Code	Ø tubes (mm)	Voltage (Volt)	Frequency (Hz)	Flow rate (m³/h)	Useful capacity utile (mm H <sub>2</sub> O)	Useful capacity utile (Pa)	Power (W)	Nom. Curr. (A)	Noisiness dB(A) <sub>1m</sub>	Weight (Kg)
TEMPERO ECO V 250 E BP	0068920	125	230	50	250	10,2	108	43	0,32	35,8	37
TEMPERO ECO V 450 E BP	0068950	160	230	50	400	14,3	169	85	0,75	38,5	41

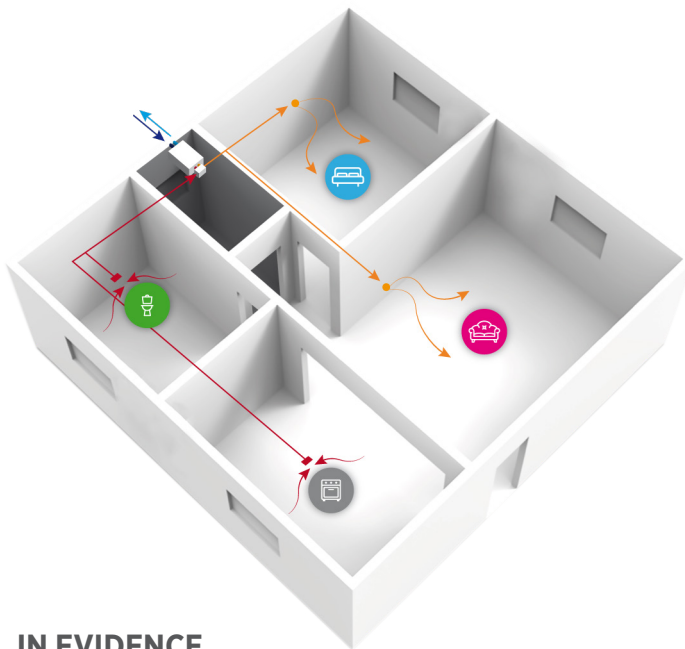
### FLOW CHARTS



## FLUX SCHEME



## INSTALLATION EXAMPLE



The "foul" air is extracted from the so-called "technical" premises of the house (bathroom, kitchen...) and through suitable ducts connected to the plenum reaches the TEMPERO ECO V E BP recovery unit where the heat exchange occurs by mixing with the fresh air before being exhausted.

The fresh air, in fact, is introduced from the outside directly from Tempero where it is filtered, crosses the heat exchanger and after reaching the Plenum, it is directed towards the "noble" premises (living room, bedrooms...).

## IN EVIDENCE

### MAXIMUM INSTALLATION COMFORT

TEMPERO ECO V E BP is particularly suitable for installation in vertical position in closets, laundry, etc.

### 90% MAXIMUM EFFICIENCY

TEMPERO ECO V E BP allows to achieve a high degree of efficiency in terms of energy recovery, thanks to a counter flow heat exchanger: when outside temperature is  $-2^{\circ}\text{C}$  and internal temperature is  $21^{\circ}\text{C}$ , the air blown into the room will be around  $19^{\circ}\text{C}$ .

### E BP (BY-PASS) VERSION

When recovering the heat of the extracted air is not convenient, for example in summer, the By-Pass allows to use TEMPERO ECO IL E BP thus avoiding the extracted air to cross the heat exchanger.

### ELECTRONIC COMMUTATED BRUSHLESS MOTORS (EC)

The Electronically Commutated Brushless technology allows the two engines of TEMPERO ECO IL E BP to reach a high energy saving and a long life granted by ballbearing motor.

### FILTERS WITH A HIGH DEGREE OF FILTRATION

Both the fresh and the extracted air are filtered through synthetic fiber class G4 filters. (F7 optional on fresh air. This filter grants to keep the environment protected from air impurities).

Two synthetic fiber class G4 filters, ensure a high degree of filtration both on the incoming fresh air and the extracted air.

### EVERYTHING UNDER CONTROL

Dedicated wireless controller (RG IL-V) supplied with the product, with four modes of operation: "Away" (low speed), "Home" (medium speed), Party (speed at 100%) and "Timer" (high speed for 30, 60 or 90 minutes). The practical operating light (LED) is a fast and useful indication for the maintenance of the filters when becoming necessary.

Two optional control panels, having all the above features with a LED status for each mode, allow to keep some important values under control, such as the humidity level (RG IL-V HR and RG IL-V  $\text{CO}_2$ ) or the  $\text{CO}_2$  level (RG IL-V  $\text{CO}_2$ ) and they eventually force air extraction in case the level is arising above the pre-set threshold. The panel is equipped with a practical soft touch which allows to change modes or to set various levels of Humidity or  $\text{CO}_2$ .

More information on Control Panels can be found in the "remote controllers" section on page 48.