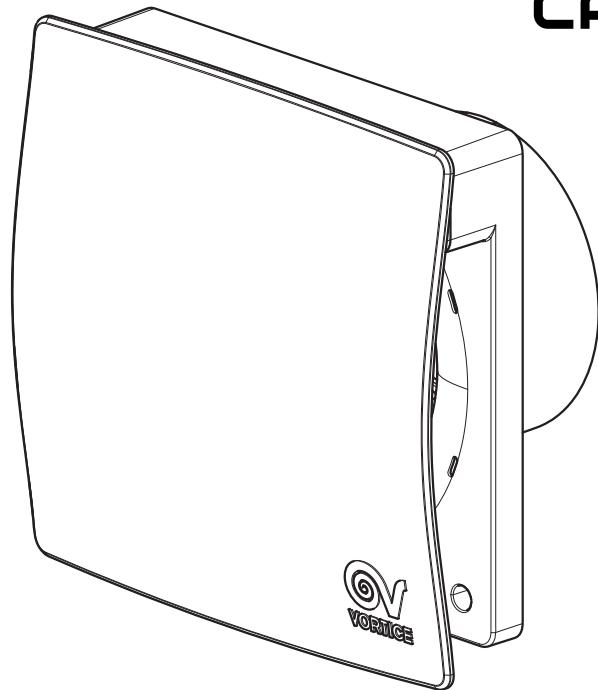




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## PUNTO EVO FLEXO

UK  
CA



## Description and use

The appliance you have purchased is a single-speed in-line extractor fan designed for direct extraction (outside or into short ducts), compatible with wall / panel, false wall, ceiling and false ceiling installation.

The appliance is protected against jets of water (IP45 protection rating), so it is suitable for rooms with a high degree of humidity. All the models are equipped with a motor with ball bearings. The range consists of 6 models, with a standard diameter of 100 and 120 mm, in basic, Timer (T) and humidity sensor (HCS) versions:

**MEX 100/4" LL 1S**  
**MEX 100/4" LL 1ST**  
**MEX 100/4" LL 1ST HCS**  
**MEX 120/5" LL 1S**  
**MEX 120/5" LL 1ST**  
**MEX 120/5" LL 1ST HCS**

See "Installation" and "Use" for a detailed description of the various functions.

These appliances are designed for use in residential and commercial properties.

## Safety



### **Warning:**

this symbol indicates that care must be taken to avoid injury to the user

- Do not use this appliance for functions other than those described in this booklet.
- After removing the appliance from its packaging, ensure that it is intact and undamaged. If in doubt, immediately contact a professionally qualified electrician or an authorised Technical Support Centre.
- Do not leave packaging within the reach of children or differently able persons.
- Certain fundamental rules must be observed when using any electrical appliance, including: a) never touch appliances with wet or damp hands; b) never touch appliances while barefoot.
- Store the appliance out of the reach of children and differently able persons if you decide to disconnect it from the power supply and use it no more.
- Do not operate the appliance in the presence of flammable substances or vapours, such as alcohol, insecticides, petrol, etc.
- **Precautions must be taken to prevent gas coming from the gas flue pipe or from other fuel combustion units from entering into the room.**
- This appliance may be used by children over 8 years of age and by individuals with limited physical, sensory or mental capacities, or by inexperienced or untrained individuals, provided that they are supervised or have been instructed in safe use of the appliance and understand the associated risks.
- Children must not play with the appliance.
- Cleaning and maintenance procedures - for which the user is responsible - must not be carried out by children unless supervised.
- Installation of the appliance in bathrooms (where there are bath-tubs or showers) must be in accordance with current regulations.



### **Caution:**

this symbol indicates that care must be taken to avoid damaging the appliance

- Do not make modifications of any kind to this appliance.
- Do not expose this appliance to the elements (rain, sun, etc.).
- Regularly inspect the appliance for visible defects. If any faults are found, do not operate the appliance but contact a VORTICE authorised Technical Support Centre immediately.
- If the appliance malfunctions and/or develops a fault, contact a VORTICE authorised Technical Support Centre immediately. Ensure that only genuine original VORTICE spares are used for any repairs.
- Should the appliance be dropped or suffer a heavy blow, have it checked immediately by a VORTICE Authorised Technical Support Centre.

- The electrical system to which the appliance is connected must conform to applicable standards.
- The appliance is double insulated and therefore does not need to be earthed.
- Connect the appliance to the electrical power supply/socket only if the rated power of the supply is sufficient to match the maximum rated power of the appliance. If not, contact a professional electrician without delay.
- Switch off the appliance at the main switch: a) if the appliance does not function correctly; b) before cleaning the outside of the appliance, c) if the appliance is not to be used for any length of time.
- The room must have an adequate source of replacement air for this appliance to function effectively. In the event that other non-sealed combustion based appliances (such as water heaters, gas stoves, etc.) are installed in the same room, check that air replacement is sufficient for all appliances to work effectively together.
- The appliance must either exhaust directly to the outside or into a short duct (max 400 mm to ensure the certified technical data; efficiency losses will occur if the appliance is installed in ducting subject to any appreciable level of back pressure).
- The appliance cannot be used to control water heater switches, heaters, etc.; neither must it expel air into the hot air ducts of such appliances.
- The air or fumes to be extracted from the room must be clean (i.e. free of grease, soot, chemical and corrosive agents, and explosive or flammable mixtures) and must not exceed a temperature of 50°C (122°F).
- Keep the appliance's intake and outlet grilles free to ensure an optimum flow of air.
- Specifications for the power supply must correspond to the electrical data on ID plate A (Fig.1)
- **The appliance must be installed by a professionally qualified electrician.**
- A multi-pole switch must be used to install the appliance. The contact opening gap must be no less than 3 mm.

## **Items supplied**

The fan unit is enclosed in a plastic cylinder incorporated in the motor carrier, which can be entirely accommodated in the destination pipe and whose short length makes it perfectly compatible with installation near elbow bends (90°), typical of pipe fittings. The main parts of the appliance are:

- Motor carrier and front panel, made of ABS thermoplastic, impact resistant and anti-UV resin;
- Centrifugal rotor made of PP resin, designed for high performance, low power consumption and low noise emissions;
- Motor with shielded poles, equipped with ball bearings and fitted with a thermal fuse.
- PCB (T / HCS models).

## **Installation**

Figg. 2 ÷ 13

**N.B.** whatever the orientation of the appliance, the non-return valve must always be in a vertical position (Fig. 8, 9).

**N.B.** if the non-return valve should come out of place and/or split into its halves, it will be possible to reposition it as shown in Fig. 9a, 9b.

### Trimmer settings (T / HCS models)

There is a trimmer on the PCB which can be used to adjust the duration of the switch-off delay (factory set to 3 minutes). The delay duration can be adjusted up to approximately 20 minutes using the trimmer (Timer versions: Fig. 14 / HCS versions: fig. 14A).

## **Use**

### Basic models

This appliance is operated by switching it on using the power switch.

### Timer models

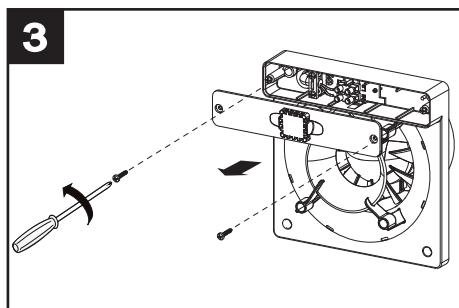
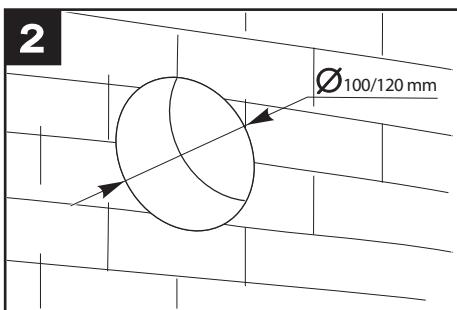
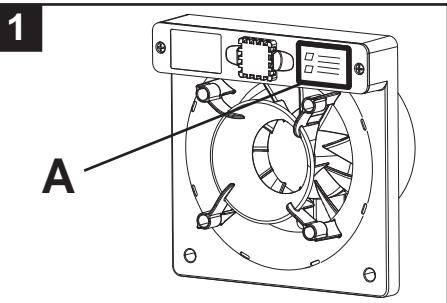
This appliance is operated by switching it on using the power switch. The integrated timer controls the switch-off delay. After it is switched off by means of the switch, the appliance will therefore continue to run for the set amount of time.

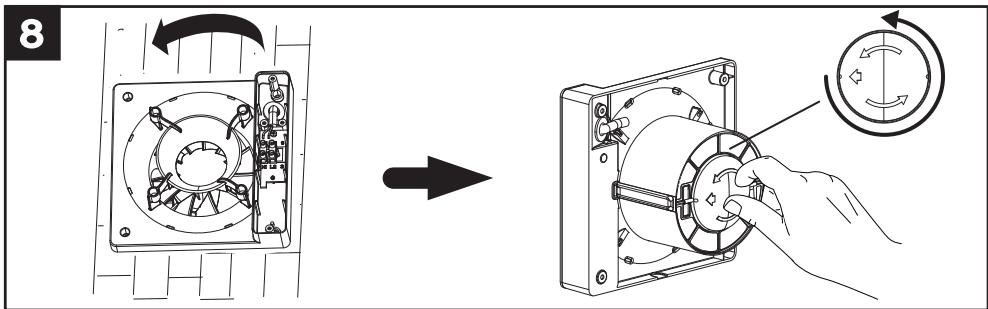
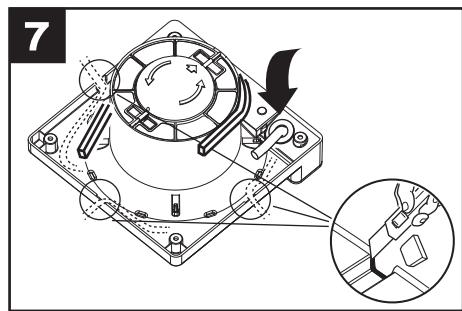
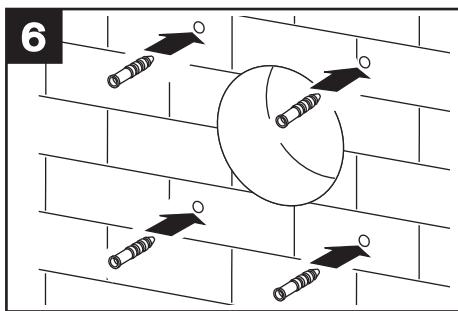
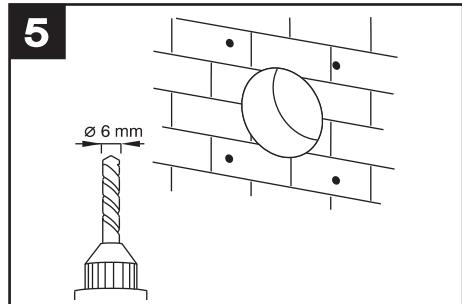
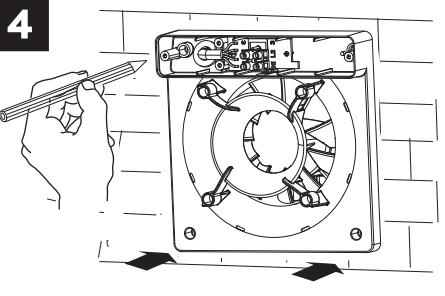
### HCS models

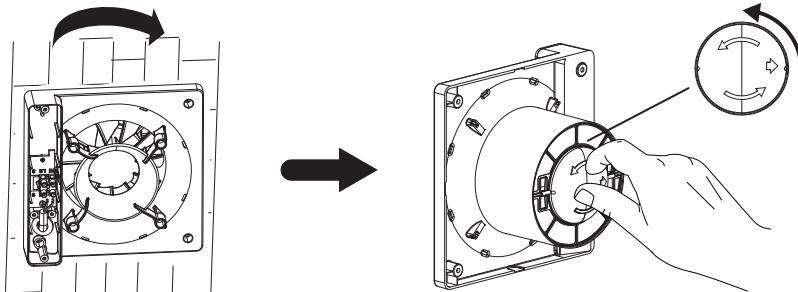
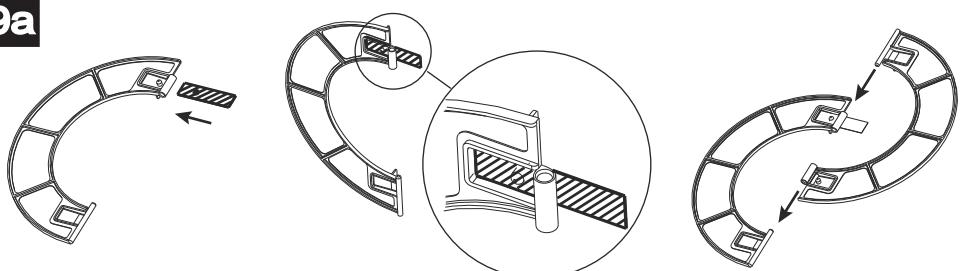
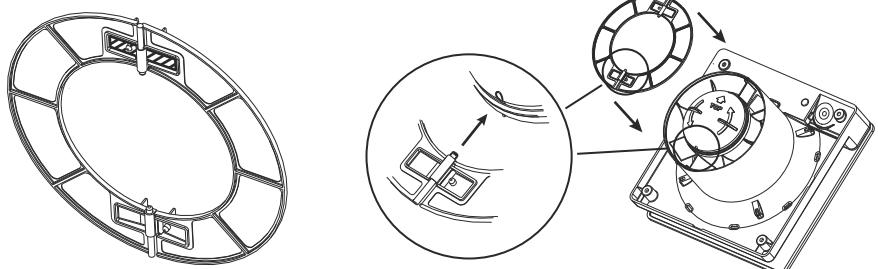
This appliance features a relative humidity sensor with a threshold value factory set at 60%. When the relative humidity exceeds that level, the appliance automatically starts up.

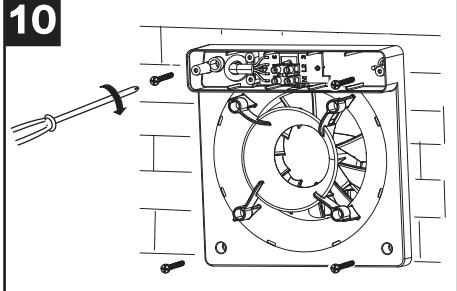
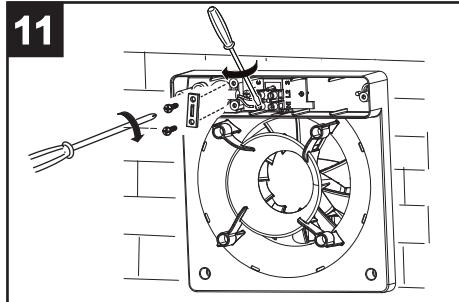
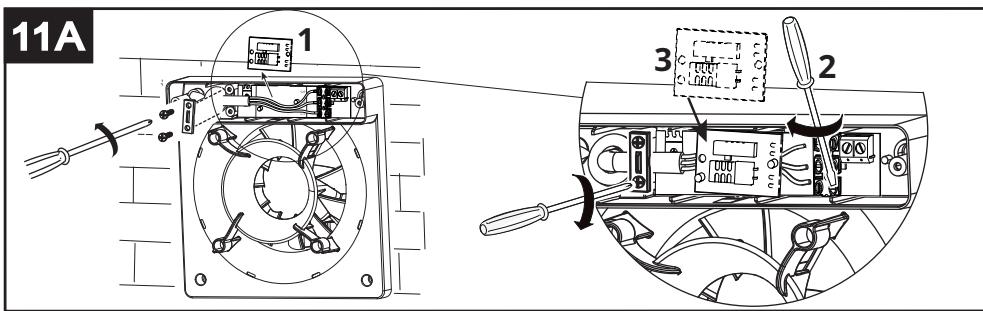
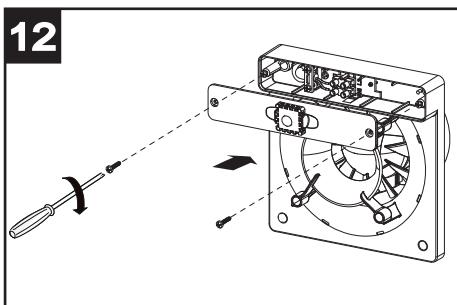
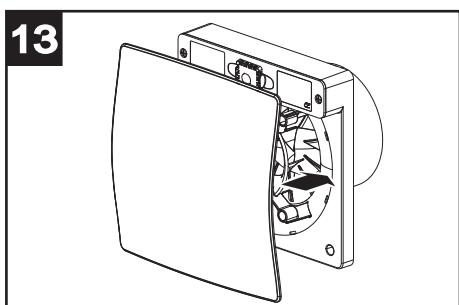
The threshold setting can be modified by the installer to 4 levels: 60%, 70%, 80% and 90% (fig. 14A).

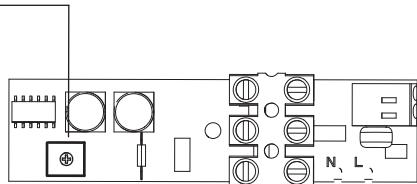
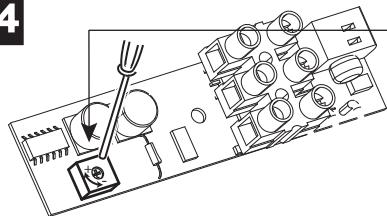
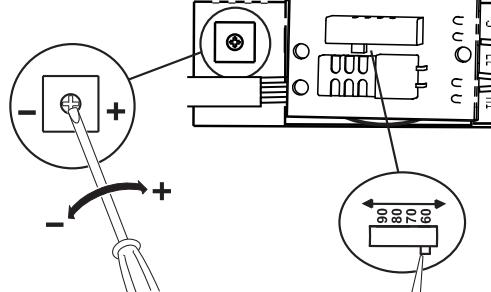
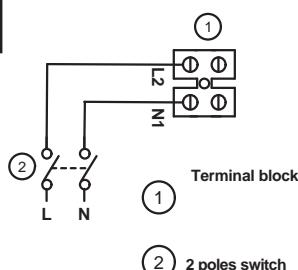
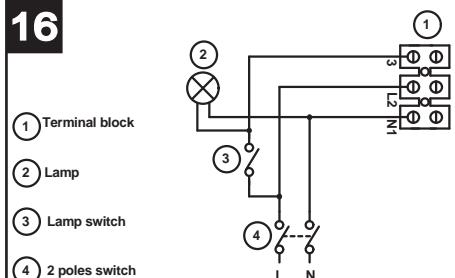
## FIGURE



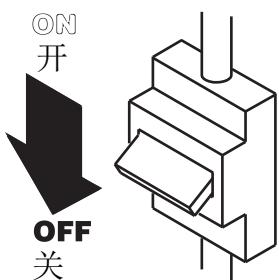


**9****9a****9b**

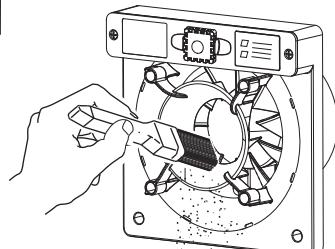
**10****11****11A****12****13**

**14****14A****15****16**

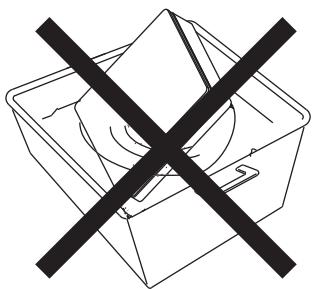
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19





VORTICE S.p.A. reserves the right to make improvements to products at any time and without prior notice.

## **VORTICE GROUP COMPANIES**

### **VORTICE S.p.A.**

Strada Cerca, 2 - frazione di Zoate  
20067 - Tribiano (MI)  
Tel. +39 02-90.69.91  
ITALY  
[vortice.com](http://vortice.com)  
[postvendita@vortice-italy.com](mailto:postvendita@vortice-italy.com)

### **VORTICE INDUSTRIAL Srl**

Via B. Brugnoli, 3  
37063 - Isola della Scala (VR)  
Tel. +39 045 6631042  
ITALY  
[vorticeindustrial.com](http://vorticeindustrial.com)  
[info@vorticeindustrial.com](mailto:info@vorticeindustrial.com)

VORTICE VENTILATION SYSTEM (CHANGZHOU) CO.LTD  
Building 19, No.388 West Huanghe Road, Xinbei District,  
Changzhou, Jiangsu Province CAP:213000  
CHINA  
[vortice-china.com](http://vortice-china.com)  
[vortice@vortice-china.com](mailto:vortice@vortice-china.com)

### **VORTICE LIMITED**

Beeches House-Eastern Avenue  
Burton on Trent - DE 13 0BB  
Tel. +44 1283-49.29.49  
UNITED KINGDOM  
[vortice.ltd.uk](http://vortice.ltd.uk)  
[sales@vortice.ltd.uk](mailto:sales@vortice.ltd.uk)

### **VORTICE LATAM S.A.**

Bodega #6  
Zona Franca BES Alajuela - Alajuela 20101  
Tel. (+506) 2201 6934  
COSTA RICA  
[vortice-latam.com](http://vortice-latam.com)  
[info@vortice-latam.com](mailto:info@vortice-latam.com)

CASALS VENTILACIÓN INDUSTRIAL IND., S.L.  
Ctra. Camprodón, s/n  
17860 - Sant Joan de les Abadesses (Girona)  
SPAIN  
[casals.com](http://casals.com)  
[ventilacion@casals.com](mailto:ventilacion@casals.com)