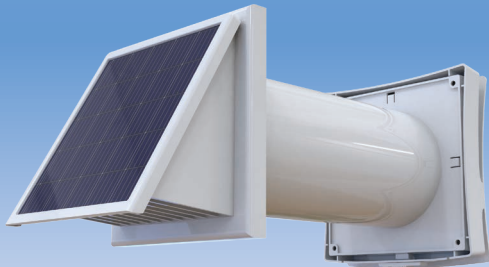


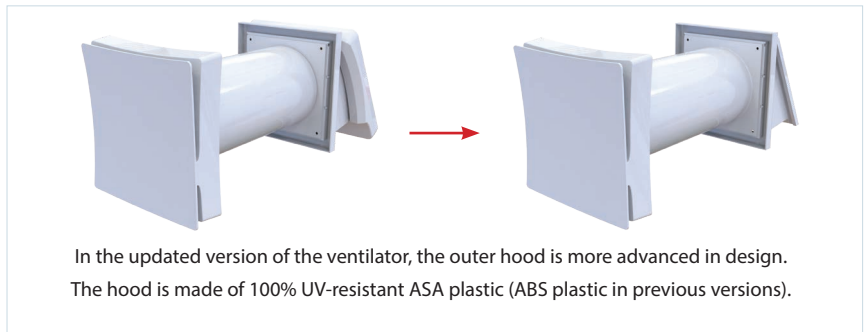
PSS 102 New solar-powered wall-mounted ventilator



Description

The wall-mounted ventilator is an air supply unit for permanent ventilation and is intended for supplying both residential and non-residential premises with fresh air. The PSS ventilator is a cost-effective and stand-alone unit for more intensive air exchange compared to passive ventilators.

The ventilator allows you to fill a room with fresh air without opening windows and without letting dust, street noise and plant pollen into the room. The specially designed internal grille, as well as the device for regulating the flow cross section, ensure a uniform supply and distribution of fresh air in the room. The ventilator is installed on the sunny side of the outer wall of an apartment, cottage, office building, etc.



In the updated version of the ventilator, the outer hood is more advanced in design. The hood is made of 100% UV-resistant ASA plastic (ABS plastic in previous versions).

Features

1. Designed for ventilation of small and medium-sized premises.
2. The solar battery provides more intensive air exchange than with conventional passive ventilation.
3. Energy efficient due to the use of solar energy.
4. Operational independence. The motor is powered by a solar battery. The motor supply voltage is 9...18 V. The electrical parameters of the battery vary according to the intensity of the solar flux. The intermediate parameters are shown in the table.
5. At night, the ventilator functions as a passive ventilation element.
6. Manual adjustment of the airflow section is possible.

Structural elements

The ventilator consists of two ventilation grilles (internal and external) and a telescopic air duct with a fan.



Internal grille

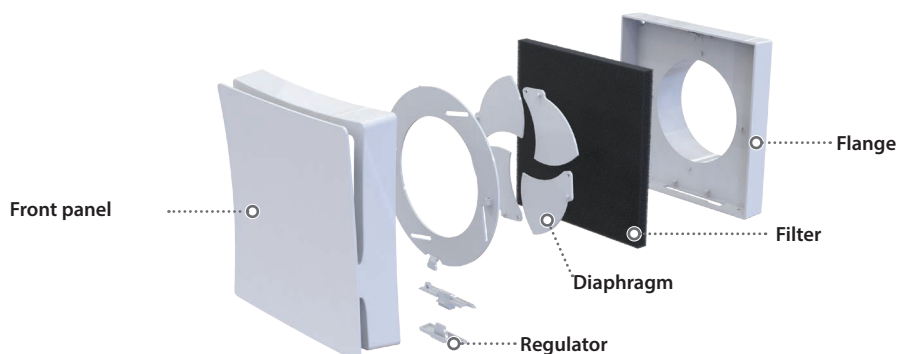


Telescopic air duct

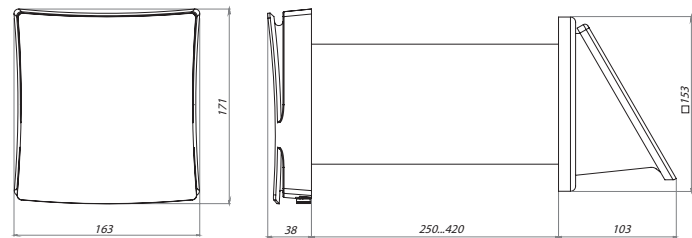


External grille

- ▶ The internal grille is made of high quality ABS plastic and is equipped with a dust filter (G3 class). The built-in regulator allows you to change the supply air volume or completely close the ventilation duct.
- ▶ Telescopic PVC air duct with adjustable length. A small fan is installed inside the duct for air supply.
- ▶ The external grille (ventilation hood) is made of high-quality UV-resistant ASA plastic (ABS plastic in previous versions). A solar panel is attached to the surface of the hood to power the motor.

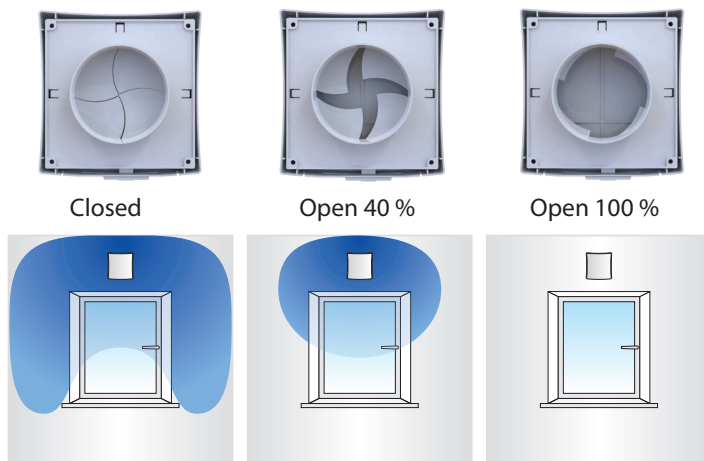


Voltage [V]	Current [A]	Impeller RPM [min ⁻¹]	Air flow [m ³ /h]
9	0.064	1390	13
12	0.073	1754	15
15	0.083	2140	17
18	0.092	2490	20

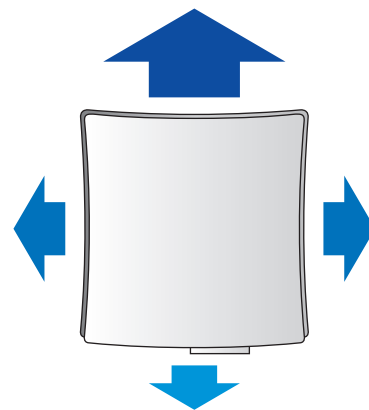


Air flow distribution

The design of the internal grille and the device for regulating the flow cross section ensure a uniform supply and distribution of fresh air in the room. You can adjust the air intake intensity smoothly as required.

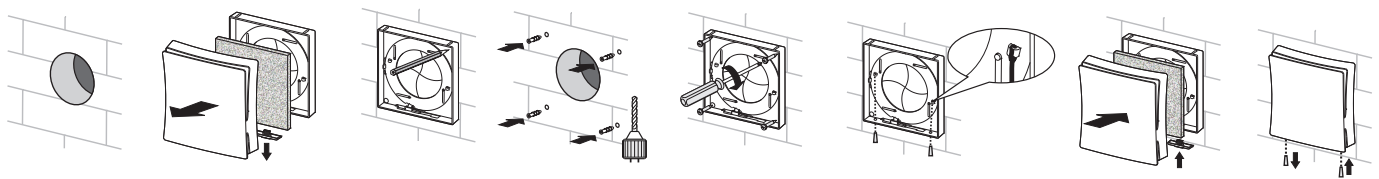


Air distribution at different positions of the air flow regulator

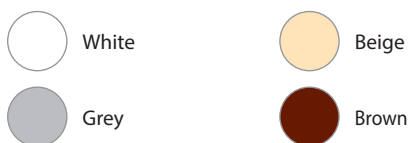


Airflow intensity by direction

Mounting



Colour versions of the external grille



Ordering system

PSS 102 Colour

White
Grey
Beige
Brown