

WALL VENT WITH SOLAR PANEL



SHM

Air capacity - up to 20 m³/h

■ Use

- ❑ For energy-independent and energy-saving supply and exhaust ventilation.
- ❑ Higher exchange rate as compared to other standard passive ventilation components.
- ❑ Uniform air supply and distribution free of dust and noise.

■ Application

- ❑ Residential premises
- ❑ Flats, houses
- ❑ Offices
- ❑ Service rooms
- ❑ Trade premises

■ Features

- ❑ Power-independent operation due to the solar panel activated motor.
- ❑ Efficient and environment friendly operation based on natural resources.
- ❑ Operation as ordinary passive vents in case of no solar energy supply.

■ Mounting

- ❑ Mounting on the outer walls on a sunny side.

■ Design

- ❑ The casing consists of the internal and external decorative grille, outer ventilation hood and a telescopic air duct.



- ❑ The internal grille is made of high-quality ABS plastic and is equipped with G3 dust filter.
- ❑ Equipped with axial fan driven by DC motor that is powered by solar panel. The fan operates either in supply or exhaust mode depending on modification type.
- ❑ The round air flow regulator provides smooth regulation of air flow or shutoff of the ventilation duct.



- ❑ Telescopic duct with adjustable length from 250 to 420 mm is made of durable PVC plastic.
- ❑ 100 mm air duct diameter.



- ❑ The external ventilation hood is made of high-quality ABS plastic.
- ❑ Solar panel is fixed directly on the hood surface.

■ Technical data

Model	Solar panel power [W]	Maximum air flow [m ³ /h]	Connected air duct diameter [mm]
SHM 100 DK	2.5	20	100

■ Air flow distribution



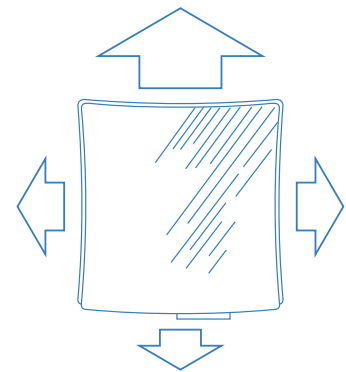
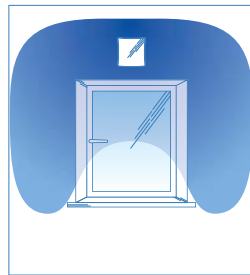
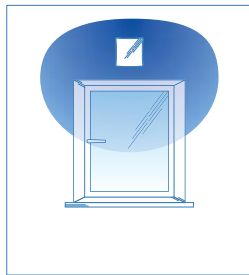
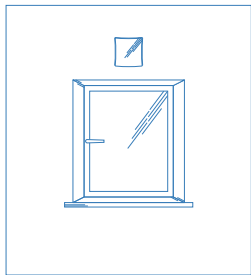
closed



open 40%



open 100%



Air flow rate in various directions.

Air flow distribution with various positions of the air flow regulator.

■ Overall and mounting dimensions

