



Innovative and Easy

# VILPE® Pressure controller 24 V



The VILPE Pressure controller 24 V detects pressure changes in the ventilation duct and automatically adjusts the roof fan effectiveness to ensure consistent pressure in the duct. The pressure controller regulates the air flow in the ventilation duct in response to changes in single apartments and the product is therefore especially suited for multi-storey buildings.



> [VILPE.COM](http://VILPE.COM)

The VILPE Pressure controller 24 V carefully measures the air flow pressure in the ventilation duct. When the controller detects pressure change, it automatically adjusts the effect of the roof fan to ensure a consistent duct pressure.

When a ventilation hatch is closed or opened in a single apartment, the air flow pressure and air speed in the ventilation duct changes. The change affects the ventilation efficiency in the whole building. With the VILPE Pressure controller, the pressure changes are detected and the effectiveness of the roof fan adjusted. The pressure in the ventilation duct is kept consistent and consequently the air flow in the building remains constant. Moreover, the pressure controller can be used for creating under-pressure in specific parts of a building.

The integrated pressure detector is temperature compensated to ensure measurement accuracy. When the pressure controller regulates a roof fan, the pressure change can be adjusted with an accuracy of 1 Pa. Used as a pressure change transmitter, the pressure controller can be adjusted every 50 Pa.

The VILPE Pressure controller is compatible with EC roof fans. The control unit can be attached to the wall. The default settings of the product are 0-500 Pa, 0-10 V output signal and 10 sec response time/regulator speed. No special tools are needed when adjusting the settings.

## Technical data

Supply voltage	24 V AC/DC
Power consumption	43 mA
Output signal	0-10 V / 4-20 mA
Pressure ranges	-100 to 3500 Pa
Selectable unit display	m <sup>3</sup> /h, m <sup>3</sup> /sec or l/sec

### Pressure regulator

Output	0-10 V
Accuracy	+/- 1 % (-100 Pa to + 100 Pa)
Regulator Speed	Adjustable 1-10 (10 fastest)
Display	Graphic LCD, backlit
Temperature	-20 to +50 °C
Dimensions	78 x 90 x 40 mm
Weight	98 g
Protection Class	IP54

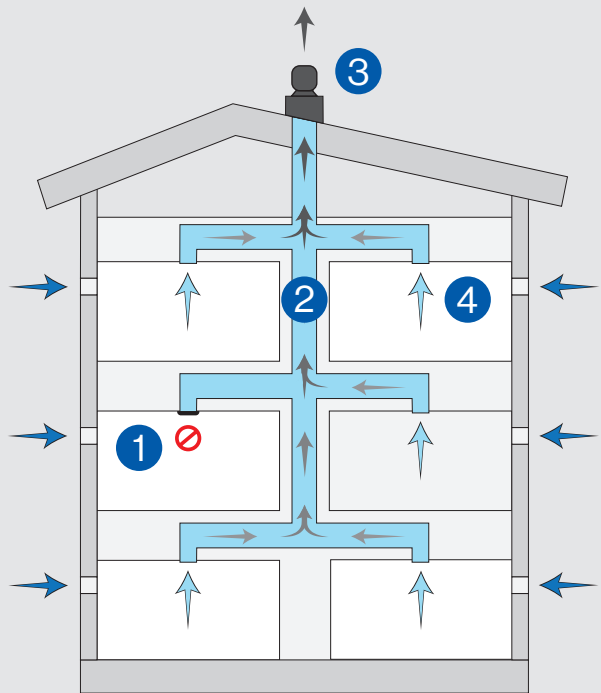
## Package

The VILPE Pressure controller 24 V product package contains pressure controller, hose (2 m), two nipples and the instruction manual. The VILPE Pressure controller 24 V power supply package comprises power supply and the instruction manual.

## Product number

Name	Product number
VILPE Pressure controller 24 V	735036
VILPE Pressure controller 24 V power	735037

### Building without VILPE Pressure controller 24 V



1. A ventilation hatch is closed in an apartment.
2. The pressure in the ventilation duct and the air flow increases, as well as the noise level.
3. Without the VILPE Pressure controller, the roof fan continues to work on the same effect level.
4. Consequently, the ventilation effect in the other apartments increases.
5. The VILPE Pressure controller will detect the pressure change in the ventilation duct, automatically reducing the power supply to the roof fan to secure optimal pressure levels.
6. The ventilation remains consistent throughout the building.

### Building with VILPE Pressure controller 24 V

