

FRESH AIR VALVE WITH THERMOSTAT



Description

Fresh air valve is specifically designed for wall penetrations, it's an ideal choice for modern ventilation systems, providing effective air management and improved comfort in residential and commercial buildings. It is engineered to ensure optimal airflow and pressure balance, enhancing indoor air quality.



Advantages

1. Automatic adjustment is achieved through mechanical thermal response elements, without the need for human intervention.
2. It can prevent excessive cold air from entering the room, avoid excessive ventilation causing an increase in the load on the heating system, and thus reduce energy consumption.
3. Maximizes ventilation efficiency during milder temperatures, introducing enough fresh air to improve indoor air quality, helps remove moist air and prevents mold growth.
4. It completely filters out pollen and significantly prevents dangerous fine particles from entering the room.

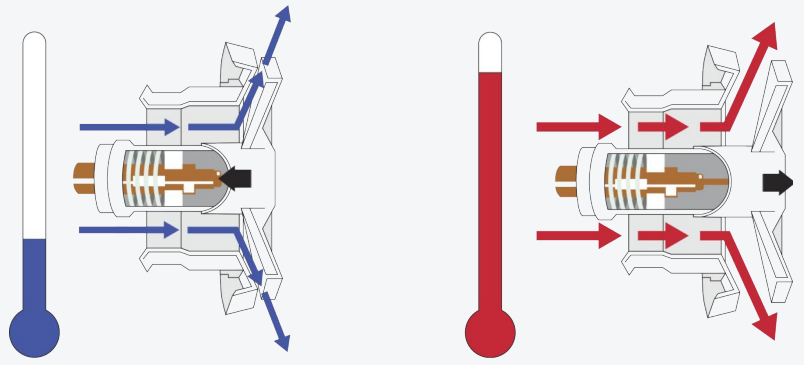
Working Principle

Fresh air valve is equipped with a thermostat, the thermostat adjusts the valve's opening according to outdoor temperature to enhance energy efficiency.

The valve will fully open at temperatures above +10 °C and fully close at temperatures below -5 °C.

The thermostat operates based on thermal expansion. If needed, the valve can also be manually closed.

No electrical connection required

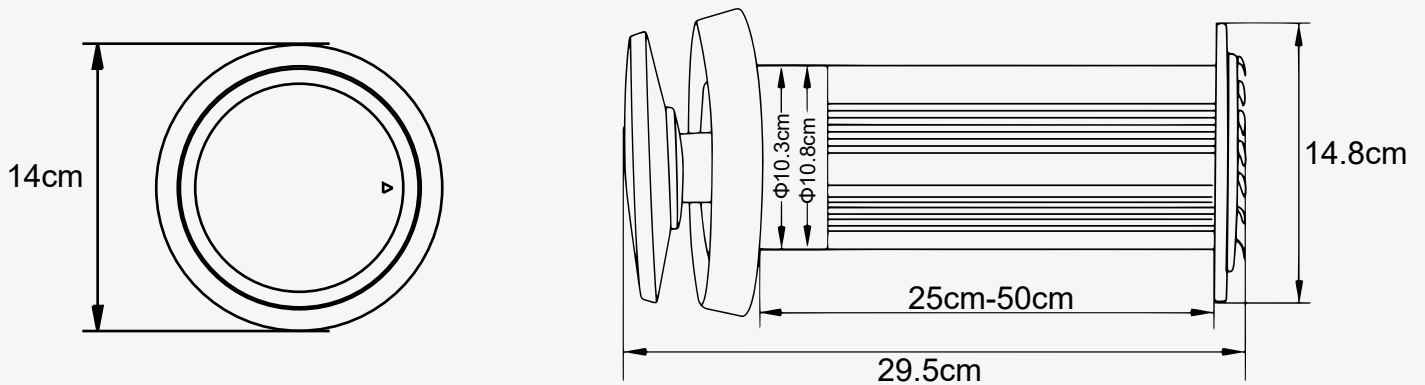


control the degree of valve opening within $+10^{\circ}\text{C}$ to -5°C

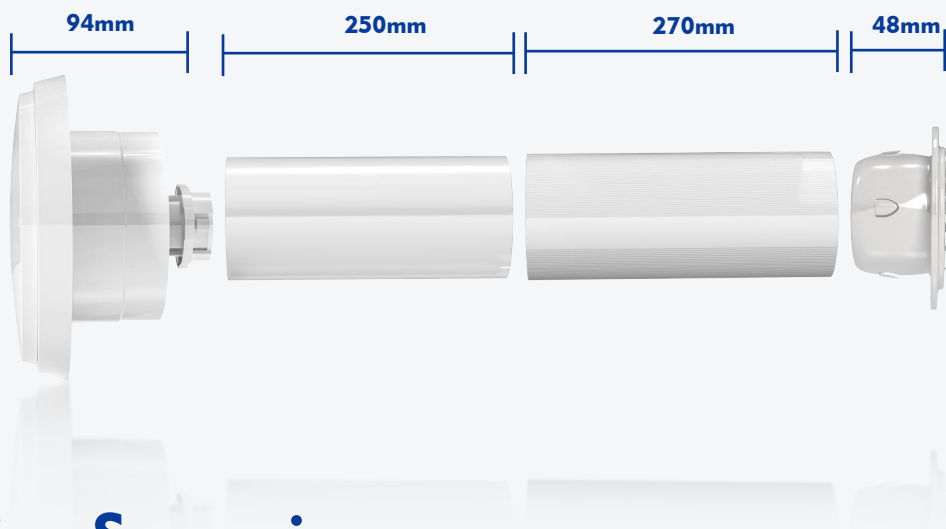
Parameters

Duct Size	Extendable Duct Length	Max Allowed Air Flow	Sound Level	Application Area
100mm	250-500mm	30m ³ /h	20-35dB	10m ²

Product Dimensions



Explosive View



Installation Scenario

