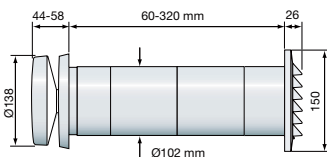


FRESH 100 Thermo – supply element with thermostat



facade supply element



assembly with outdoor grille



interior supply element with thermostat

Technical parameters

FRESH 100 Thermo are automatically (depending on the temperature) regulating plastic plate valves for air supply. They contain a thermostatic control system that is used in natural or mechanical ventilation systems for air supply. They have an easily adjustable centre element for basic flow adjustment. The plate valve is provided with a sealing rubber "O" ring for sealing in the duct or extension piece to penetrate the wall. Plastic valves can be cleaned with weak solutions of non-aggressive detergents. The valves are made of ABS plastic, colour white (RAL 9010). They can withstand some diluted chemicals. The highly advantageous aerodynamic shape reduces valve noise and significantly reduces the risk of crosstalk.

- for air supply to residential units in central DCV systems and decentral Silent ECO systems
- includes filter, pollen filter can be ordered
- control range from -5 to +10 °C (closed / open)
- low noise level
- quick and easy installation
- easy air flow measurement
- low pressure drop
- ambient temperature up to 100 °C
- option to add SGD or MSD type silencers to reduce the transmission of ambient noise from the outside into the room
- 33 dB noise attenuation

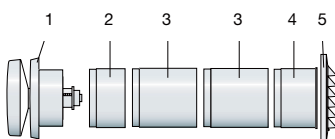
Installation

The valves are inserted directly into the pipe, the valve body is conical, a rubber "O" ring ensures sufficient sealing when inserted into the pipe. When installing, it is recommended to maintain an inclination of approx. 5° towards the room so that any condensate flows out through the eaves of the outside grille. At the same time, we recommend the use of an additional SGD 100 silencer.

Measurement and control

The air flow is regulated by turning the centre disc, which changes the basic opening of the valve. Depending on the air temperature, the stroke of the valve closing disc changes (see diagrams). Thermostatic control from -5 to +10 °C.

Additional illustration



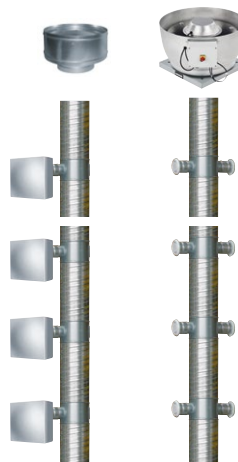
- 1 – interior thermostatic valve
- 2 – extension piece 102x50 mm
- 3 – extension piece 102x100 mm
- 4 – adaptor 102x60 mm
- 5 – facade grille with neck



Fresh – wind flap, detail delivery on special order

SILENT ECO
decentral
system

CRxB-N
central
system



FRESH is a fresh air supply element suitable for central ventilation systems with CRxB-N fans or for decentral systems equipped with e.g. SILENT ECO fans

