

END OF YOUR PROBLEM WITH THE MILDEW AND THE MUST!

120m³/h



“ECO-FRESH” 05

SUPPLY VENTILATION UNIT



3 years guarantee

“ECO-FRESH” 05 Supply ventilation unit is designed for providing fresh air into the premises. It comprises a system with a hydrostat, a charcoal filter with a heater that can be used in cold winter days, guaranteeing the supply of room temperature fresh air into the premises.

Due to its construction “ECO-FRESH” 05 Supply ventilation unit not only operates without any noise but it also completely absorb the noise that may come from outside and the incoming fresh air is filtered and ionized.

A noiseless electric motor with double-capsulated ball bearings SKF or NSK is built in the Supply ventilation unit which guarantees 30 000 hours continuous operation of the device.

The turbine of the fan is massive and inertial, manufactured from aluminum alloy. It protects the device from overheating if the electricity turns off suddenly. The electric motor body and the heater box are made from Aluminum alloy which guarantees good cooling and increased fire safety.

ECO-FRESH 05 supply ventilation unit comprises:

1. Outer grid – protects the system from wetting even during heavy raining.

2. Carbon filter – guarantees the inflow of fresh air even in heavily polluted urban and industrial areas. It cleans the air from odours, dust, bacteria, soot, kerosene- vapours, exhaust vehicle gases, etc. In cases of heavily contaminated environment it is recommended to change the filter twice or three times a year.

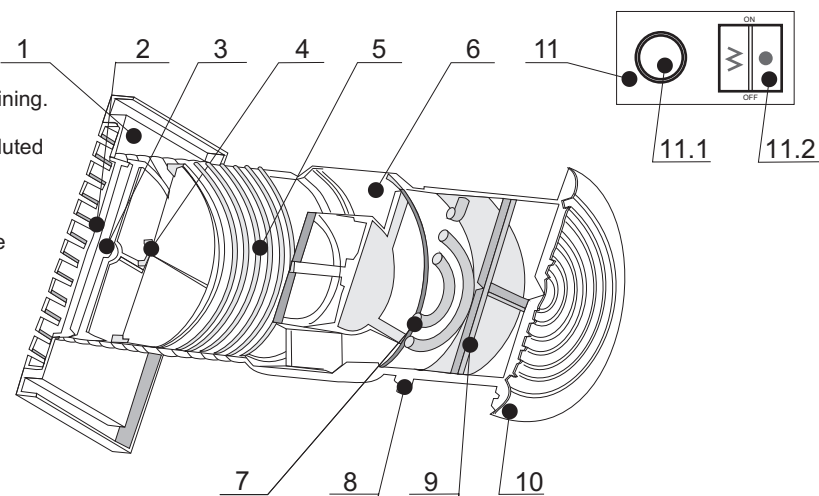
3. Fine filter – used in heavily dusted areas.

4. Valve – prevents the cold air from flowing in when the device is not in operation

5. Adjustable stopper – (figure 2) used for establishing the device length in compliance with the wall thickness.

6. Fan – provided with rotational speed control, which allows the regulating of the flow rate: from 30 m³/h for night noiseless operation mode up to 120 m³/h for daily operation mode.

7. 300W heater – cost-saving, designed for intermittent operation. It maintains 25°C temperature of the air, flowing into the premises. During continuous operation it achieves Δt (the difference between the temperature of the outside air and the temperature of the air, flowing into the premises) of 35°C when the system operation mode is 120 m³/h.



IMPORTANT!

When the outside temperature is lower than -10°C , it is necessary to reduce the fan r.p.m. (revolutions per minute) to secure 25°C temperature of the inflowing air.

8. Thermostat – controls the heater and guarantees 25°C (ambient temperature) of the air, flowing into the premises.

10. Decorative grid – may be white, in various colours or metal plated.

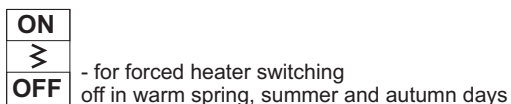
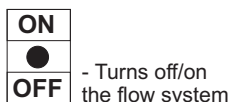
11. Control panel - contains rotational speed control, switches, system with a hydrostat, humidity sensor, timer

- Humidity sensor – guarantees the system operation in each case when the humidity in the premises exceeds 70%-75% and there are conditions moulds and must to appear.

- Timer – prolongs the operation of the device for another five minutes after humidity has decreased below 70%-75%.

11.1. Rotational speed control – gradually regulates the fan r.p.m. (revolutions per minute) from 900 min^{-1} to 2650 min^{-1} and varies the quantity of the incoming air from $30\text{ m}^3/\text{h}$ to $120\text{ m}^3/\text{h}$.

11.2. Switches:



ADDITIONAL OPTIONS

9. Ionizer – purifies, disinfects and refreshes air. It eliminates specific and unpleasant odours. Eliminates micro organisms and protects from mould and must.

TECHNICAL DATA

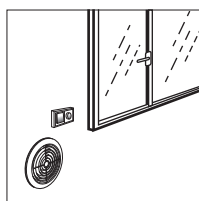
Supply voltage	Maximum debit	Consumed power		Spinning frequency	IP	Kg
		fan	heater			
Hz/V	m^3/h	W	W	min^{-1}		
50/220	120	46	300	2650	34	3,1

ASSEMBLY AND OPERATION INSTRUCTIONS

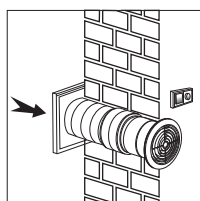
ASSEMBLY

Before starting the assembly of the system, make sure that the fan is insulated and unplugged.

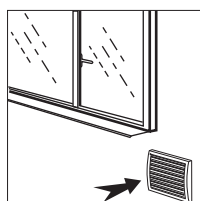
It is mounted on an outside wall. For premises above the ground floor and without terraces it is recommended to mount it at the lower left or right corner of the window. This makes the mounting and the filter changing easier.



Inside



On the wall



Outside

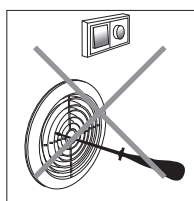


Figure 1

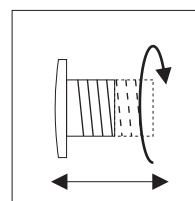


Figure 2



Contacts

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