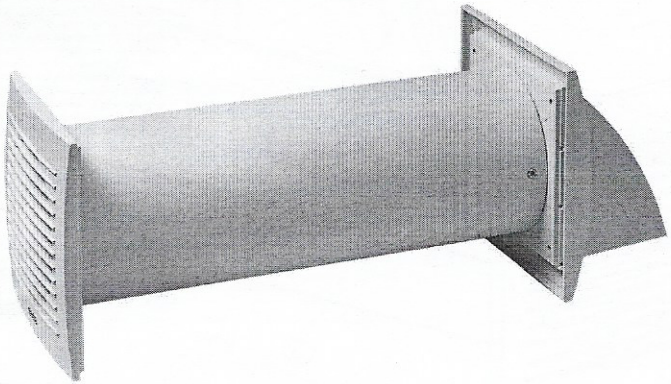
# Wall-mounted heat recovery unit



| Technical information | Model |
|---|---|
| Speed | I/II |
| Voltage (V) | 220–240 |
| Phase (Hz) | 50 |
| Power (W) | 1.5/2 |
| Suction power (m³/h) | 20/24 |
| Air flow in energy recovery mode (m³/h) | 10/12 |
| Noise level: 3m distance, Lp A dB(A) | 27/32 |
| Protection against environmental factor | IPX4 |
| RPM | 2050/2450 |
| Ambient temperature | −30 °C ... +50 °C |
| Filters | EU1 |
| Recuperation efficiency | ≤ 85% |
| Energy efficiency class | A |
| Weight (kg) | 1.54 |

| Sizes, mm | Model |
|---|---|
| A | 140 |
| B | 300–555 |
| C | 81 |

| Sizes, mm | Model |
|---|---|
| D | 106 |
| E | 153 |
| F | 148 |

**Caution!** Read the manual carefully before installing and using device.

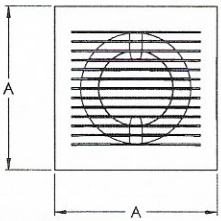
**Caution!** Make sure that there are no visual defects when unpacking device.

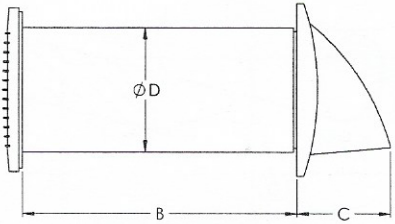
**Caution!** We do recommend you to save the bill of purchase with stamped guarantee coupon, for the purpose of possible reclamation. Otherwise guarantee will be not in legal force.

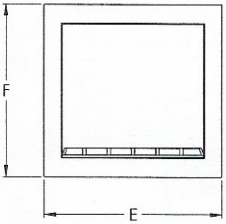
**Caution!** Before connecting to the mains supply ensure that mains voltage (V) and frequency (Hz) corresponds to the parameters on the rating plate.

**Caution!** When connecting the device, it is important to follow the polarity (see Installation and Maintenance)

**Caution!** This device may be used by children starting from age of 8 as well as people with physical or mental disorders, given that they are familiar with the manual and safety provisions in respect to this device. It is prohibited for children to play with the device. Children may not carry out maintenance or cleaning of this device without supervision of adults.



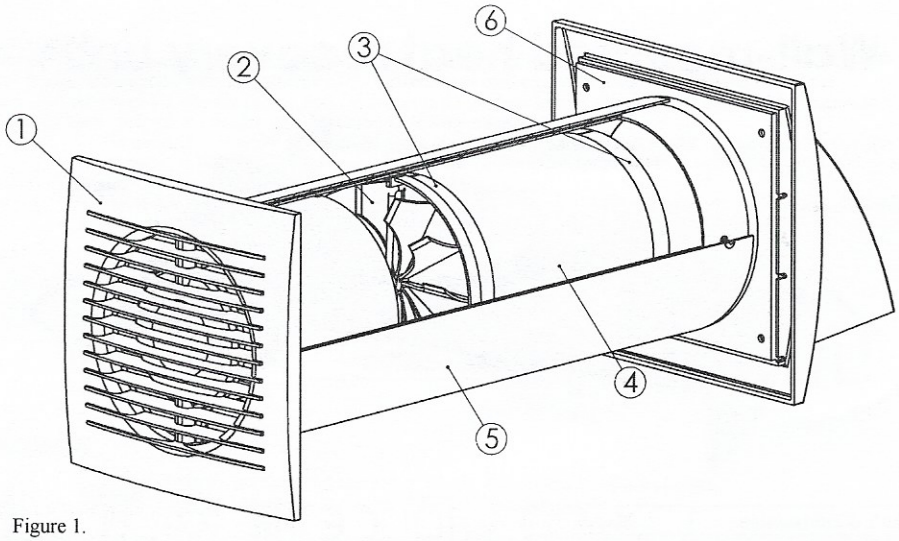



Figure 1.

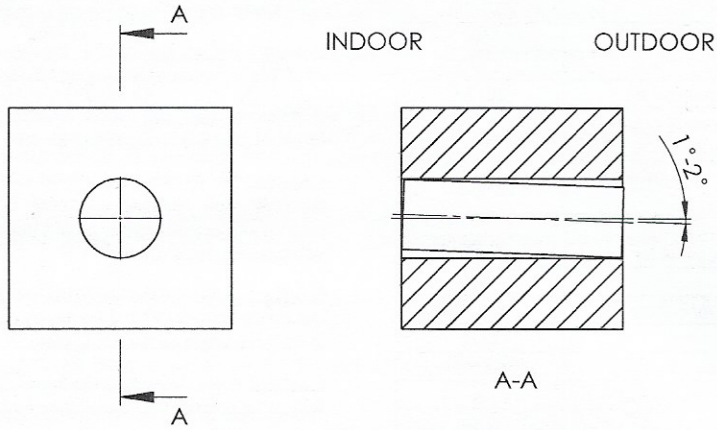



Figure 2.

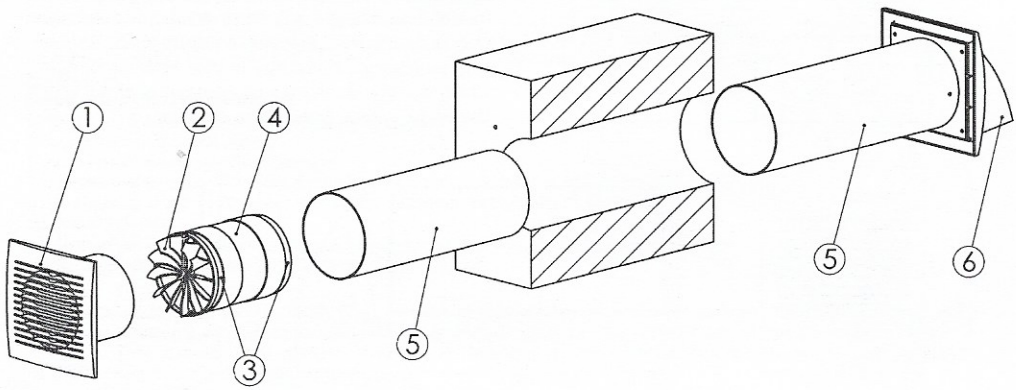



Figure 3.

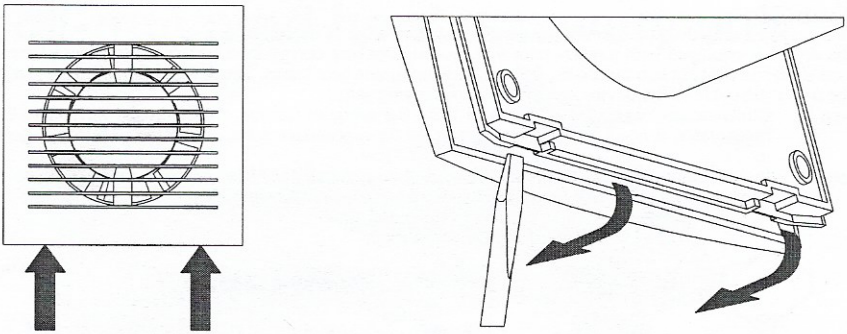


Figure 4.

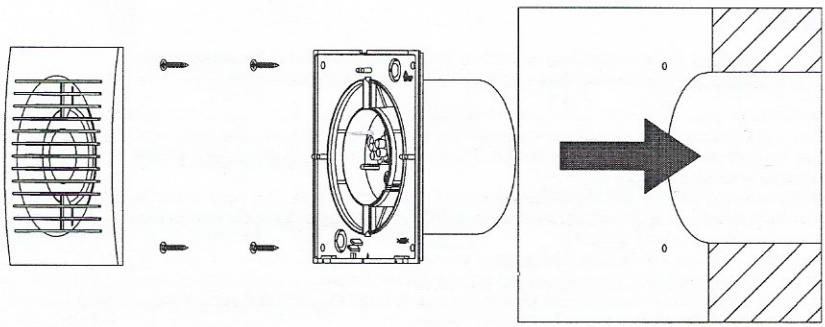


Figure 5.

## Switch and cable

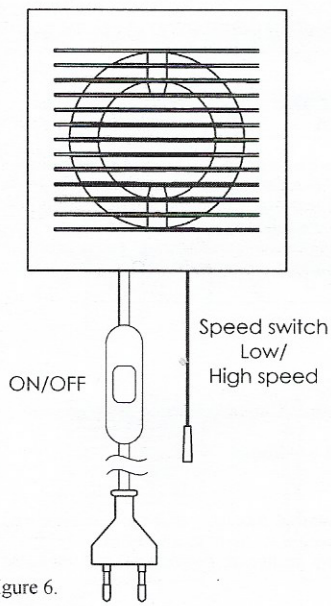
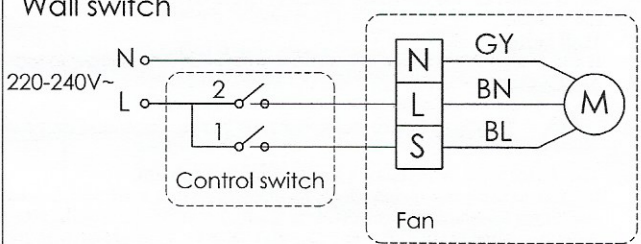



Figure 6.

## Wall switch




N - 0 GY - Gray
L - Phase BN - Brown
S - Switch BL -Black

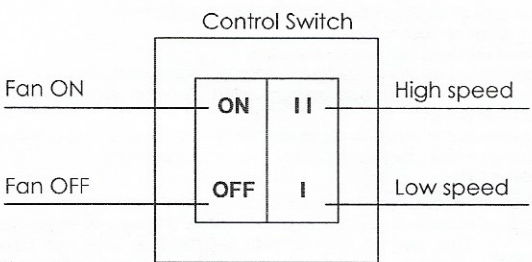


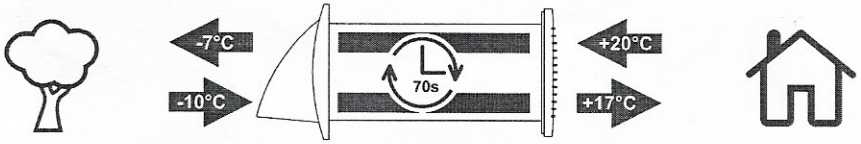

Figure 7.

**Description**

This device is intended for maintaining the constant exchange of indoor air.
The device is equipped with a regenerator that accumulates heat energy from the air flowing out of the rooms and heats up the air flowing into the rooms, thus ensuring minimum heat losses. The device is intended for continuous use.
The operation cycle of the device comprises the following steps:

**Step I** Contaminated warm air is removed from the room in suction mode. As the air passes through the regenerator, it heats up. 70 seconds later, as the regenerator accumulates heat, the fan switches to flow mode.

**Step II** In flow mode, cold fresh air passes through the regenerator and heats up to room temperature. 70 seconds later, as the regenerator cools down, the fan switches to suction mode.




**Installation**

**Caution!** Before installing and servicing , please disconnect the mains power.
**Caution!** Only an electrician specialist may carry out installation.

Components (Figure 1). 1. Fan 2. Air flow straightener 3. Filters 4. Regenerators 5. Telescopic air duct 6. Mesh
Installing the device requires making a circular hole in an external wall. The telescopic air duct must be set up in the hole and adjusted to the necessary length. The air duct must have a downward incline of 1—2° directed towards the external wall (Figure 2).
When the outdoor mesh is installed, the assembled regenerator must be placed in the air duct (Figure 3).
In order to install the fan, the decorative part must be removed by pulling the two fasteners on the lower side of the body with a screwdriver (Figure 4).
The fan must be placed in the fan duct and fastened to the wall with screws. (Figure 5)
Based on the corresponding type of connection, the device is connected to the electric mains (Figure 6 — Figure 7).
If the fan is connected directly to the mains, the mains must be provided with a switch that makes it possible to safely disconnect the wires.

**Switch and cable**

The recuperative heat exchanger is equipped with a slide switch, and the cable is connected to mains socket. The fan is turned on and off with a switch mounted on the cable. The fan speed is controlled by pulling the cord at the fan bottom.

**Wall switch**

It comes standard with a master switch, which makes it possible to turn on/off the device and to switch the speed.

**Maintenance**

**Caution!** Before maintaining the vehicle disconnect the power supply.

The device must be regularly cleaned from dust and dirt.
In order to carry out maintenance, the decorative part must be removed by pulling the two fasteners on the lower side of the body with a screwdriver (Figure 5), and unscrewing the four screws that attach the fan body (Figure 6).
After you remove the fan body, you may take the regenerator with the filters out. Clean the filters based on the amount of dirt in them, and at least once every 3 months. The filters may be washed with water.
The regenerator must be cleaned regularly in order to ensure maximum heat exchange efficiency. The regenerator must be cleaned at least once a year. The regenerator may be cleaned with a vacuum cleaner.

**Guarantee**

Producer guarantee is 24 months.
In the case of damages contact the place of trade.
The guarantee does not cover:
1. noted mechanical or other damages
2. mechanical or other damages caused by incorrect or improper usage, misuse, abuse or neglect
3. mechanical or other damages caused by incorrect installation or by product's incorrect fitting to insufficient or unsuitable power
4. mechanical or other damages caused by ignoring the instruction manual conditions

A guarantee does not cover natural wear of the product.

**Utilization**

Information for Users on Disposal of Old Equipment. This symbol indicates that the electrical and electronic equipment should not be disposed of as general household waste at its end-oflife.
This manual may contain technical or language errors. Any technical parameters and included components may be changed without prior warning.