

General Information

Dear Sir or Madam,

This information is primarily intended for the user of the e⁹⁰. We assume that the units and any additional ventilation components have been installed and commissioned by a specialist.

We also assume that it is known which ventilation units or additional components have been installed and where and how they are connected.

The e⁹⁰ is an exhaust air unit with heat recovery, which has been installed in the functional rooms such as the kitchen, bathroom and WC of your flat or house. These fans ensure that stale and moisture-laden air is exchanged or removed. At the same time, they are particularly energy-efficient due to heat recovery.



The following versions refer to the e⁹⁰ with the universal control from LUNOS in conjunction with the series switch.

Operation and function

Operating the series switch

The fans are switched via a series switch, which is located in the exhaust air space in which the e⁹⁰ is installed.



A total of 4 levels can be selected by pressing the switch rockers.

If both switch rockers point downwards (see illustration), level 0 is active. This usually means that the fans run permanently at a very low level or are switched off (setting of the control unit).

If the left rocker switch is pressed and the right rocker switch remains in the above-mentioned position, the fan runs at level I. If the right rocker switch is turned upwards and the left rocker switch remains down, level II is active. If both rockers point upwards, stage III is switched on.

Volume flow

The ego can operate optionally at 5, 10, 15, 20 m³/h in heat recovery mode (approx. every 50 seconds both fans change direction) or 45 m³/h in exhaust air only mode. These values were calculated in the ventilation concept; your installer, architect or planner can answer any questions you may have.

We recommend running the units permanently at a low level and switching to the higher levels as required (the familiar shock ventilation several times a day). To remove peak loads, supportive ventilation should be provided via the windows.

Summer ventilation function

This function is especially intended for the cooler night hours in high summer. The reversing times are increased considerably (to approx. 1 hour), i.e. the heat recovery is bypassed and the cool outside air can enter the heated rooms and cool them passively.

To activate this function, the right-hand rocker switch must be pressed twice within 3 seconds (fast toggling). To deactivate this function, you can switch the right rocker switch back and forth at any time. After 8 hours, this function is automatically deactivated and the normal reversing time (approx. 50 seconds) is restored.

Operation and function

Humidity control

If this function is selected and level 0 is activated, the fan automatically exchanges the air in different volume levels.

This function is signalled by a flashing green LED at intervals of approx. 15 seconds on the switch.

Filter change

If a filter needs to be changed, this is indicated by the LED on the switch lighting up continuously in red. To do this, please remove the cover of the inner panel, take out both filters and clean them in the dishwasher or with water and detergent. You can then reinsert the dry filters and snap the cover of the inner panel back into place.

Our regenerable filters can easily be cleaned 4-5 times before they should then be replaced. The pollen filters can only be cleaned with a Hoover or you use new filters.

To reset the filter change indicator, press the left switch rocker within 2 seconds by switching back and forth quickly.

If you want to clean the filter before the red LED lights up, you are of course welcome to do so. To restart the cleaning interval, switch the left rocker switch back and forth quickly three times within 3 seconds.

Maintenance

Please remove the ventilation units from the wall regularly (before and after the heating period at the latest) and wipe all surfaces with a damp cloth. You can use a Hoover to clean the heat exchanger and fan.

Decommissioning the units

If the units are to be shut down for a longer period of time, close the inner panels and remove all filters.

If the units are to be shut down for more than 6 months, please have all units professionally serviced.



Your team from LUNOS Lüftungstechnik GmbH