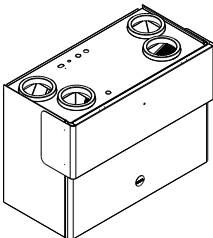

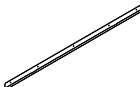


QUICK GUIDE

v2.0

WAFE 350 EFS Energy recovery ventilation unit

PACKAGE INCLUDES	 <p>WAFE 350 EFS energy re- covery ventila- tion unit</p>	 <p>M5 / M5 filters (supply air/exhaust air) <i>(inside the unit)</i></p>	 <p>Wall rail</p>
	User manual: WAFE 350 EFS energy recovery ventila- tion unit Brief guide: WAFE 350 EFS energy recovery ventila- tion unit	Cardboard stoppers for air pipes (4x) 230 V/ 50 Hz cable	





In every circumstances make sure you adhere safety regulations, warnings and instructions provided in this guide and in the main manual. Their non-observance can lead up to personal injury or damage to the unit. The latest version of the manual can be found in our document: www.wafe.eu/document.

In case you encounter a complex technical issue, contact **WAFE** customer servis immediately at +420 273 139 700. For easier problem identification, note the error code number (displayed on the unit display) and the type of your unit (see the nameplate on the side of the unit).

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Symbols used

-  Important information.
-  Unique feature differentiating your unit from the competition
-  There is a danger of unit or ventilation system damage
-  There is a danger of personal injury

SAFETY INSTRUCTIONS

- Ventilation unit must be installed in accordance with the general safety regulations valid in the place of installation.
- Ventilation unit must be installed, connected, operated and serviced only by a properly trained service technician, that is, a person with appropriate education, experience and knowledge of all the relevant regulations, standards and potential risk and dangers involved.
- When laying the wires connected to the unit it is necessary to make sure they are not exposed to any mechanical damage or detrimental environmental effects and that they do not interfere with the use of the space in which the unit is installed.
- To prevent damage and injury when manipulating with the electrical plug, pull the plug head itself instead of its cable.
- The unit cannot be used by children under 8 years old and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they are supervised or instructed on the use of the unit in a safe way and understand the potential dangers.
- Children must not play with the unit or perform the cleaning and maintenance of it.

WAFE 350 EFS OPERATION

WAFE 350 EFS has been designed for your maximum comfort. After installation and initial setup of operating values by WAFE technician (according to the construction project, see section WAFE 350 EFS Installation / Installation and handover), the unit needs little to no attention.

Operation modes

INTELLIGENT MODE	<p>The unit analyses its surroundings and through optimal ventilation keeps the CO₂ level as low as possible.</p> <p>Recommended for general use.</p> <p>Requires manual activation and deactivation through my.wafe.eu. In case CO₂ sensors are damaged unit will automatically switch to the forced Weekly mode.</p>
WEEKLY MODE	<p>The unit provides ventilation according to its factory settings (constantly except for workdays from 8AM till 4PM) or according to its own time schedule set up at my.wafe.eu.</p> <p>Alternative to recommended general use.</p> <p>Requires manual activation and deactivation through my.wafe.eu.</p> <p>For other than default factory setting login to my.wafe.eu web application, activate the Weekly mode and set your own time schedule. Remember to confirm the new setting!</p>
HOLIDAY (OUT)	<p>Unit is in low power mode and ventilates the house once a day.</p> <p>Suitable when leaving the ventilated areas for extended periods of time.</p> <p>Requires manual activation and deactivation through my.wafe.eu.</p>
SLEEP (STAND-BY)	<p>The unit is in low power mode, communicates over the internet (if connected) but does not ventilate.</p> <p>Turn on before unplugging from the power outlet.</p> <p>Requires manual activation and deactivation through my.wafe.eu or via unit's control panel.</p> <p>Part of the transition to Sleep mode is a drying process: the unit closes its exterior flaps and the heat exchanger and dries for 10 minutes. Unplugging the unit from the power outlet during this step might result in residual moisture staying inside the unit.</p>
CIRCULATION	<p>The unit does not intake fresh air. The air circulates to spread out the heat or aroma in the building.</p> <p>Activation and deactivation through my.wafe.eu.</p>
DEHUMIDIFICATION	<p>The unit primarily addresses the reduction of relative humidity in the building. EFS flap system remains in its position. The unit must be connected to the condensate drain. When temperature below -3°C, the unit can perform dehumidification function with SAFE DEHUM MODE.</p> <p>Activation of DEHUMIDIFICATION function and SAFE DEHUM is performed by technician in SETUP menu.</p>
OFF	<p>The unit is unplugged from the power outlet: it does not ventilate and does not communicate over the internet even if connected.</p> <p>Not recommended: consider using the Sleep mode instead.</p> <p>Switch the unit into Sleep mode (wait for the whole drying process to finish!) and unplug the cable.</p>
ERROR	<p>The unit does not ventilate and is awaiting the error resolution.</p> <p>Automatically activated mode after encountering any errors. After switching to Error mode, follow the steps in section WAFE 350 EFS Maintenance / Technical support.</p>

Table 01: Operation modes of WAFE 350 EFS.

Unit control

Control via LCD display

The unit’s control panel consists of an LCD display, four buttons with symbols and a LED diode.

Confirmation button—left/right (see Figure 02) are used to choose between Option 1 (Left)/2 (Right) (see Figure 03). Pressing the Confirmation button always activates the option on the topmost line of unit display. To select a different option, scroll the menu by pressing Selection button—up/down so that your desired option is displayed on the first line.

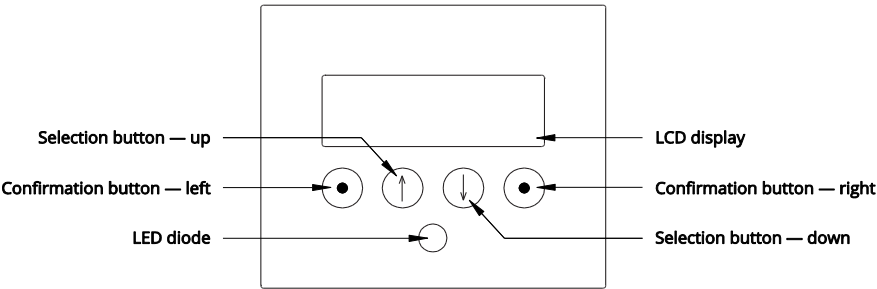


Figure 02: Buttons on the control panel.

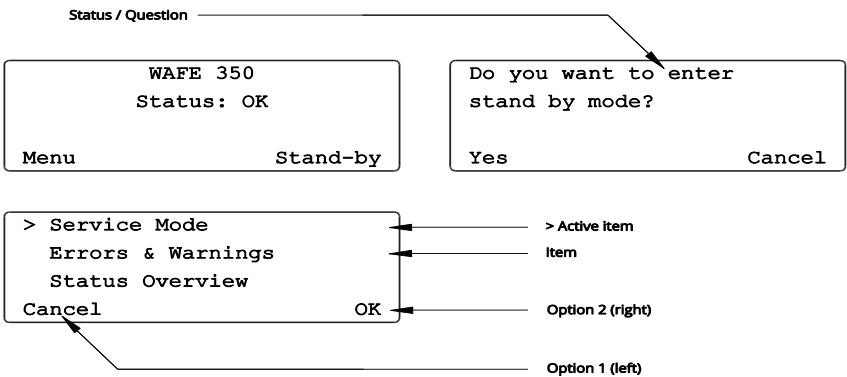


Figure 03: The menu structure

Control panel LED diode has four light modes.

LED COLOUR		UNIT STATE	REQUESTED ACTIONS
Blue	Glowing	The unit is on. Everything is ok.	Breathe. Live.
Yellow	Glowing	The unit is on: incoming message	Check teh LCD display or my.wafe.eu web application.
Red	Glowing	The unit is off: Error!	Check the LCD display or my.wafe.eu web application and follow the instructions in section WAFE 350 Ma- intenance / Technical support.
Green	Flashing	The unit did not change its state; green flashing light signal an ongoing data transfer.	Nothing. Do not unplug the unit from the power grid!


Table 02: LED light modes and related unit states.

Remote control via my.wafe.eu web application

Remote control of the unit is possible only if:

- The unit is connected to internet.
- You have been successfully registered as WAFE user and linked to your unit.

To control the unit remotely login to **my.wafe.eu** web application with your user identification data.

 Any command entered through my.wafe.eu might take up to one minute to reach the unit.

First login to web application

After your account registration, you'll receive an activation email with your login details. After you first log in and choose a new password, the unit is ready for remote control via my.wafe.eu web application.

WAFE 350 EFS MAINTENANCE



Regular professional maintenance by WAFE servis technician is a necessity to ensure long life and reliability of the unit.

Maintenance by user


You have only two tasks left in the maintenance of the unit: replacing the filters and cleaning the air diffusers.

Replacing the filters

Newly purchased WAFE 350 comes with M5 filter (supply air) and M5 filter (exhaust air) already preinstalled. Thanks to sensitive pressure sensors and internal logic your unit can accurately detect the amount of clogging in each filter.


-  Blue glowing LED diode in the middle of the decorative plate of the unit signals a problem-free operation of the unit. That does include still having both filters clean.
-  Yellow glowing LED diode accompanied with a notification „*Fresh/Exhaust filter is near the end of a lifetime*“ on the unit display or on **my.wafe.eu** signals that fresh (M5)/exhaust (M5) filter has exceeded a recommended degree of clogging. The unit remains functional until the filter clogging reaches the critical level.

If you do not have a stock of replacement WAFE filters, contact us promptly at www.wafe.eu/filters or call +420 273 139 700. Make sure to use high-quality WAFE filters only. Original filters can be identified by a WAFE logo.

-  Red glowing LED light accompanied with an error message „*Fresh/Exhaust filter lifetime ended. Please, replace now!*“ on the unit display or at **my.wafe.eu** signals completely clogged fresh M5/exhaust M5 filter. The unit switches into Error mode and will not operate until the filters are replaced.

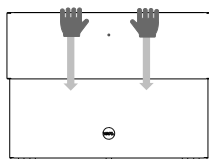
Replacing the filters is necessary in two cases, whichever comes first:

- 12 months have passed since the last filter replacement
- The unit has switched to an Error mode (identifiable by the glowing red LED diode and an error message on the unit display).

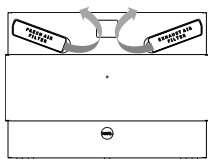
 The unit cannot operate without filters.

Filter replacement procedure

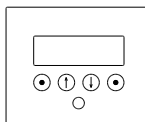
⚡ Before starting the filter replacement procedure make sure the unit is in Filter replacement mode. You can activate it only via unit display by selecting and confirming the appropriate option.



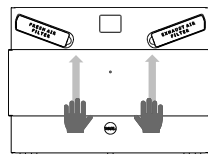
01 Press the decorative cover downwards with both hands until it reaches its lower end position and check the message on the display. Follow the instructions on the screen.



02 Pull the corresponding filter stopper out of the unit body as shown in the picture above. Pull out the old filter by its strap and insert a new one. Mind the correct position of the insertion according to the instructions on the filter. Return the stopper as far to the back as it fits.



03 Confirm the completion of the replacement procedure on the display keyboard as instructed. The unit will resume its operation.



04 Use both hands to push the decorative cover upwards. The cover will automatically move into its upper end position.

The unit Optimum is not equipped with the sliding decorative cover. The filter plugs are freely accessible. When replacing the filters, proceed from step 02.

Cleaning the air diffusers

Air diffusers optimise the direction and flow of intake and exhaust air. For better air permeability, it is required to provide periodic cleaning of both interior and exterior air diffusers at least once per 6 months. To do so wipe the edges and insides of the diffusers and remove any sediment dirt with a dry cloth. Avoid using water and chemicals unless absolutely necessary.

Technical support

In case you encounter a complex technical issue or need an answer to a particular question regarding the regular professional maintenance, contact WAFE customer service immediately at +420 273 139 700.

For easier problem identification, note the error code number (displayed on the unit display) and the type of your unit (see the nameplate on the side of the unit).

⚡ Whenever a breakdown is detected, unplug the unit from the power grid until the breakdown is eliminated. During the time of breakdown, unit does not work, the living area is not ventilated. This causes lower quality of air in the interior and can lead to humidity increase or creation of mold. Avoid longterm disabling of ventilation system.

During shorter periods of absence, it is appropriate to leave the unit in **Intelligent mode**. During longer breaks leave the unit in **Holiday mode** [Out].

Product datasheet conform Ecodesign (EU) nr. 1254/2014				
Supplier:		WAFE s.r.o.		
Model:		WAFE 350 EFS		
Climate zone:	SEC Value in kWh/m²/a	Energyclass (SEC)	The annual elektri- city consumption (AEC) in kWh	The annual hea- ting save (AHS) in kWh
Cold	-79,11	A+	778	8983
Average	-40,57	A	241	4592
Warm	-15,87	E	196	2076
Type of ventilation unit:		Ventilation unit with heat recovery		
Type of fan:		Variable speed EC fans		
Type of heat exchanger:		Recuperative plastic cross-counterflow		
Thermal efficiency:		85 %		
Maximum flow rate:		312 m³/h		
Maximum electric power input:		210 W		
Sound power level Lw(A):		54 dB(A)		
Reference flow rate:		218 m³/h		
Reference pressure difference:		50 Pa		
Specific power input SPI:		0,37 W.h/m³		
Control factor:		0,65 Two sensors RH a CO2		
Leakage*:	Internal	1,77 m³/h	0,81 %	
	External	1,8 m³/h	0,82 %	
Filter warning:		On screen on the unit		
Internet address for Assembly instructions:		https://www.wafe.eu/cs/350-rekuperacni-jednotka		

*Measure according to EN 308, December 2016, relative to reference flow

WARRANTY AND RESPONSIBILITY

Warranty

The warranty does not cover the damage of the unit or its individual components caused by:

- improper handling or storage,
- non-compliance with the instructions provided in the manual,
- incorrect assembly not provided by the manufacturer,
- arbitrary tampering and misuse,
- neglecting the prescribed mandatory maintenance (such as a failure to replace clogged filters, etc.),
- use or installation of parts that have not been approved in writing by the manufacturer (e.g. operating the unit using non-original **WAFE** filters),
- non-compliance with the requirements for connected devices supplied by a third party (protection, security, etc.),
- violent damage, natural disaster or extreme operating conditions and influences, the effects of electromagnetic interference, etc.

The warranty also does not cover normal wear and tear.

Responsibility

WAFE 350 EFS energy recovery ventilation unit has been developed and manufactured for use in ventilation systems for residential applications. Any other way of installation and operation than the one approved by the manufacturer is considered inappropriate and can cause damage to the unit or property or personal injury for which the manufacturer cannot be held responsible.



The manufacturer shall not be held responsible or liable for damages caused by:

- **non-compliance with a proper installation and safety instructions stated in this manual and applicable regulations,**
- **failure to follow the instructions for operation, service and maintenance,**
- **the use of spare parts and accessories not supplied or prescribed by the manufacturer,**
- **improper, incompetent or incorrect installation,**
- **pollution of the system,**
- **normal wear and tear,**
- **expiration of the warranty period.**



QUICK GUIDE: WAFE 350 ENERGY RECOVERY VENTILATION UNIT ^{v2.0}

WAFE s.r.o. Kolbenova 931/40b, 19000 Prague 9 – Vysočany

e-mail: info@wafe.eu, phone: +420 273 139 700, web: www.wafe.eu