

# KERS EVO

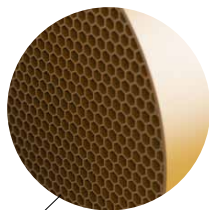


HEAT RECOVERY UNIT  
FOR SINGLE ROOM HRV

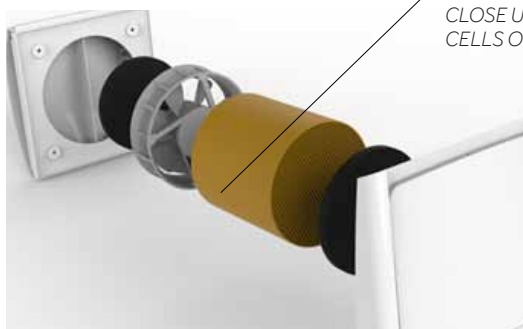
## HEAT RECOVERY VENTILATION AND NO DUCTS



KERS is the easiest way to deploy a ventilation system in existing buildings. A combination of the hexagonal-cell ceramic core and efficient EC motors ensure record-setting performance. Further to that, humidity-activated ventilation and remote control are supplied as standard.



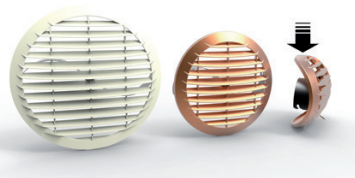
CLOSE UP OF THE HEXAGONAL  
CELLS OF THE RECOVERY CORE



- *Mechanical Ventilation*
- *Heat Recovery*
- *Humidity control sensor*
- *Mold prevention*
- *Exceptionally quiet*
- *Light sensor for night mode*
- *No Ducts*
- *No wall switches*
- *G3 Filters*
- *Remote control*

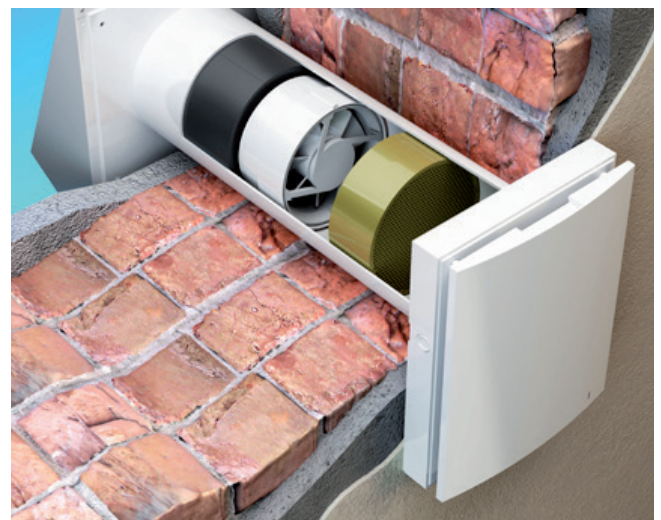
### CERAMIC RECUPERATOR HEXAGONAL CELLS

The innovative design of the KERS EVO ventilator has hexagonal cells, with increased exchange surface and better thermal efficiency: up to 97% heat recovery. The KERS EVO heat recovery unit can be installed almost anywhere. It is sufficient to make a hole in the outside wall with a diameter of 160mm for KERS EVO 50 and 100mm for KERS EVO 25 and bring the 230v power supply to the unit. As an option, flexible grilles are available in white or copper finish. They ensure a complete indoor installation of KERS without any outdoor scaffolding.



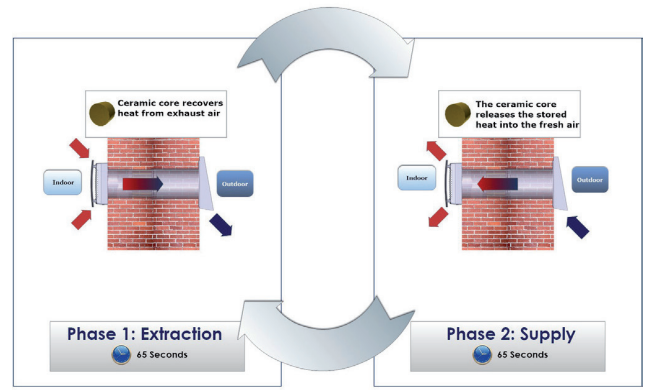
**KERS EVO 25** is ideal for controlled mechanical ventilation for rooms up to about **10 m<sup>2</sup>** for each device.

**KERS EVO 50** for rooms up to about **20 m<sup>2</sup>** For larger rooms, simply mount multiple devices per room.



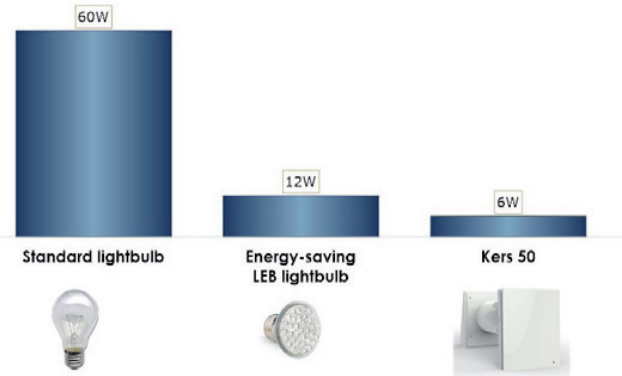
## How can KERS recover energy?

The device extracts exhaust air from the room for 65 seconds, the airflow goes through the ceramic core, and it heats it up. The ceramic core stores the heat for the next phase: The fan changes direction and the fresh air coming from outside goes through the same ceramic core. The core heats up the air with the previously stored energy. The result: fresh air coming from outside, at almost same indoor temperature. The same process works in summer too, so KERS saves energy all-year around. KERS needs less electrical power than a LED light bulb.

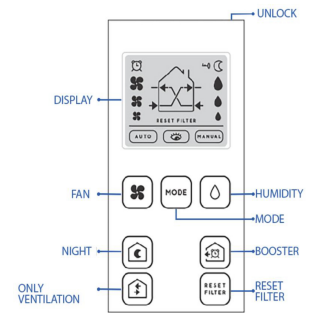


Kers: Electrical Power Consumption

KERS is a high-efficiency heat recovery device, specifically designed to be installed as a room-by-room heat recovery ventilation system. KERS boasts a highly efficient ceramic recovery core that enables it to attain a heat recovery efficiency up to 97%. When KERS is installed in each room, it will improve the overall energy performance of the building and its energy class. The flow rate is up to 50 m<sup>3</sup>/h, that means that KERS can change the air quickly and silently, but without any energy waste. In winter the ventilation of KERS keeps humidity in check and thus prevents or solves the problem of mold formation in the corners of the rooms.



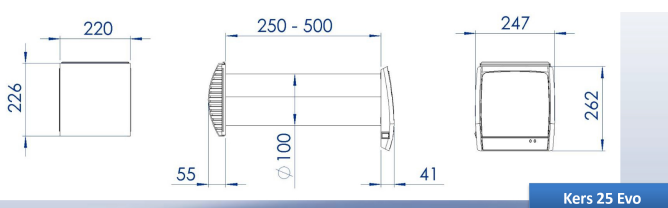
**KERS EVO** has two on-board buttons to turn the unit on and off and comes complete with remote control. KERS EVO doesn't require unsightly wall switches or regulators, or the associated wiring. Numerous functions available: free cooling, ventilation only, ventilation with recovery, activation based on humidity, night mode. KERS does not require any switchboard or control box to be placed in the wall, dispensing with the related masonry and wiring work.



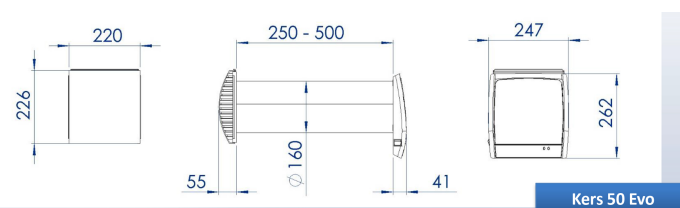
Description	UdM	Kers EVO 25					Kers EVO 50				
<b>SUPPLY</b>	V	50/1/230									
<b>POWER</b>	W	5.4					5.2				
<b>AIR FLOW</b>	mc/h	25					50				
<b>NOISE</b>	dB	37	33	33	28	13	30	25	20	11	9
<b>ENERGY RECOVERY EFFICIENCY</b>	%	UP TO 97%					UP TO 97%				
<b>TYPE OF RECUPERATOR</b>	-	CERAMIC HEXAGONAL					CERAMIC HEXAGONAL				

Hole diameter D.100mm

Hole diameter D.160mm



Kers 25 Evo



Kers 50 Evo