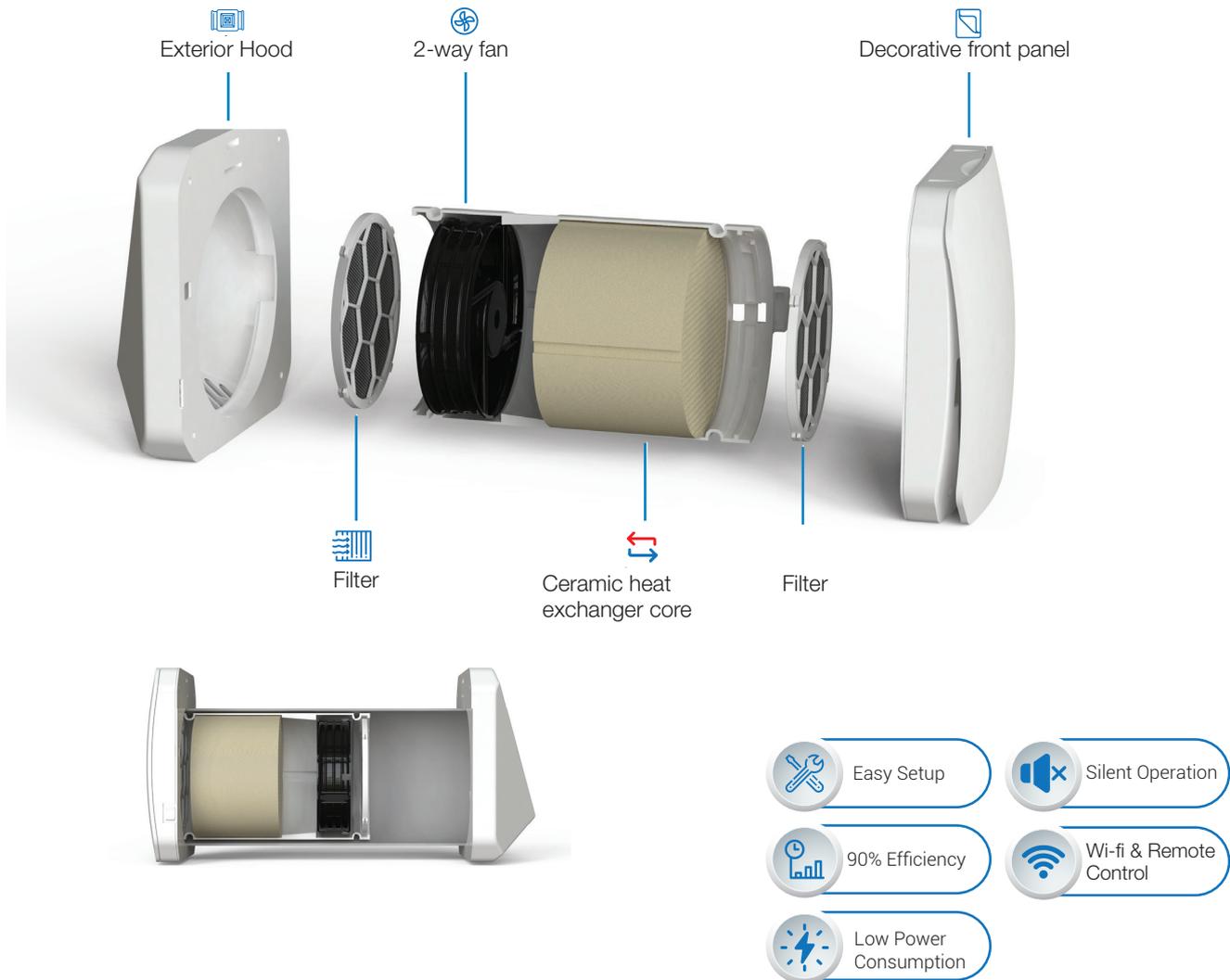


Zephyr

Decentralized ventilation with heat recovery





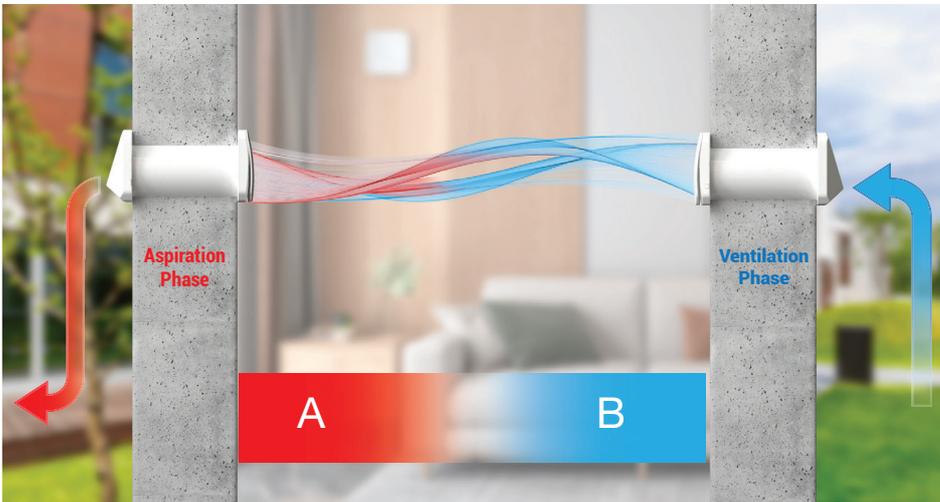
Single Room Heat Recovery Device

Single Room Heat Recovery Device is an intelligent connected easy-to-install ventilation solution for spaces lacking conventional ventilation infrastructure.

At the core of SRHR lies a ceramic heat recuperator coupled with a 2-way fan. The device runs at a 70 second periodic cycle of air intake and exhaustion.

While in exhaust part of the cycle it extracts stale air from the inside, while charging the ceramic core. When the cycle reverses fresh air from the outside is pushed through the charged core cooling or warming depending on the seasons.

The heat exchange rate can reach levels of up to 90 % efficiency with power consumption of only a few watts. Built-in wi-fi capabilities enables wireless communication between multiple devices, mobile app integration and zoning.



A
For 70 seconds, device will extract warm inside air, charging the ceramic heat exchanger core. The core will heat up.

B
For 70 seconds, device will supply fresh air from outside, heating it up with the stored energy of the ceramic heat exchanger.



Built-in wi-fi chip enables wireless pairing of multiple devices across your house. When paired devices will run either in parallel or in reverse depending on your setup. When the primary device is in ventilation mode, all parallel devices will also follow, while the reverse devices will be in exhaust mode. This way you can have continuous ventilation and aspiration and create air drafts inside or across rooms to increase the effectiveness of ventilation. You can set different settings and speeds for different rooms and create various ventilation zones.

Decorative metal front panel



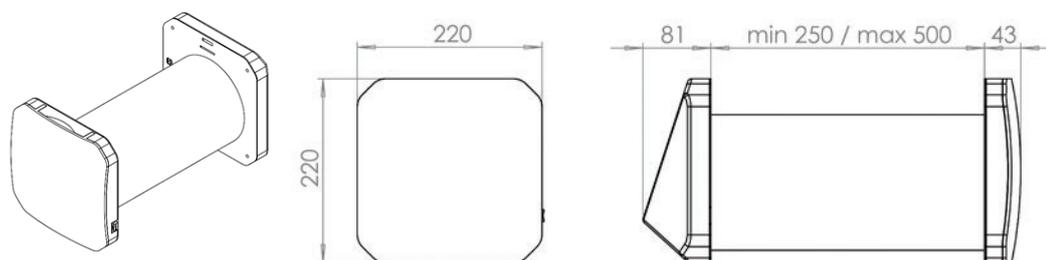
Decorative aluminium front panel covers can be combined with various shapes and colors to best match the interior design of your home, or be an Artistic Expression by itself.

Decorative metal exterior hood

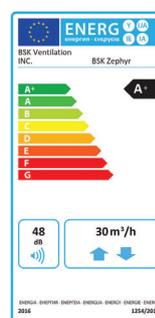


Stainless Steel (metallic or paint coated) exterior hood offers a robust option for extreme environmental conditions for outside mounting.

Technical specifications



Electrical connection	230V 50hz				Pipe/Core Zephyr
Fan speed Levels	Night Mode	I	II	III	Outer diameter 160 mm
Max air flow (m ³ /h)	15	30	45	60	Inner diameter 154 mm
Power consumption (Watt)	1.2	1.6	3.5	6.3	Thickness 3 mm
Sound power (dBA)	24.2	31.2	39.8	47.9	
Sound pressure @1m (dBA)	13.2	20.2	28.8	36.9	
Sound pressure @3m (dBA)	3.6	10.6	19.2	27.3	
Heat recovery eff.	up to 90%				
Onboard sensor type	temperature and humidity				
Operating temp.	-20 / +40°C				



IR Remote control

- Night mode for complete silent operation
- 3 different ventilation modes;
- Intake and Exhaust mode for continuous ventilation or air extraction, and cycle mode for default operation with heat recovery
- Total of 4 fan speeds including Night Mode
- 3 humidity monitoring levels. When a set humidity is reached, the device will enter exhaust mode to dispense excess humidity.

Wi-fi



Onboard wi-fi and bluetooth chip enables wireless connection and control of the devices across the house. You can pair individual devices to a master device wirelessly, allowing you to create ventilation zones where the paired devices operate in continuous harmony.

You can control your devices via upcoming iOS or Android apps from your smartphone or tablet, and have full control of ventilation over your house.