



**BSK ZEPHYR**

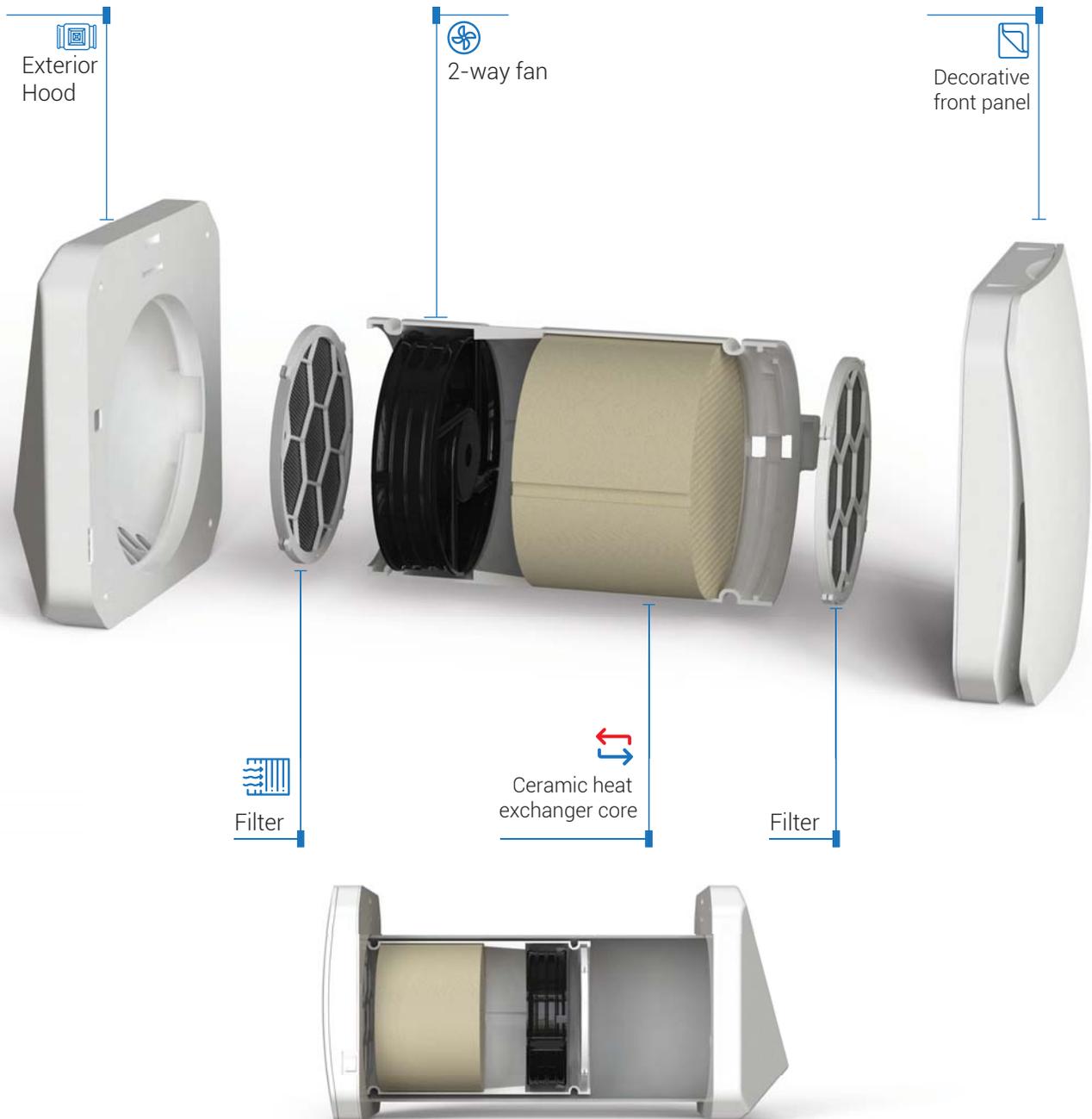
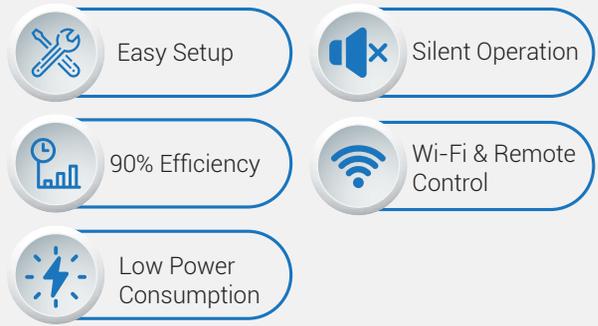
**DECENTRALIZED VENTILATION WITH HEAT RECOVERY**

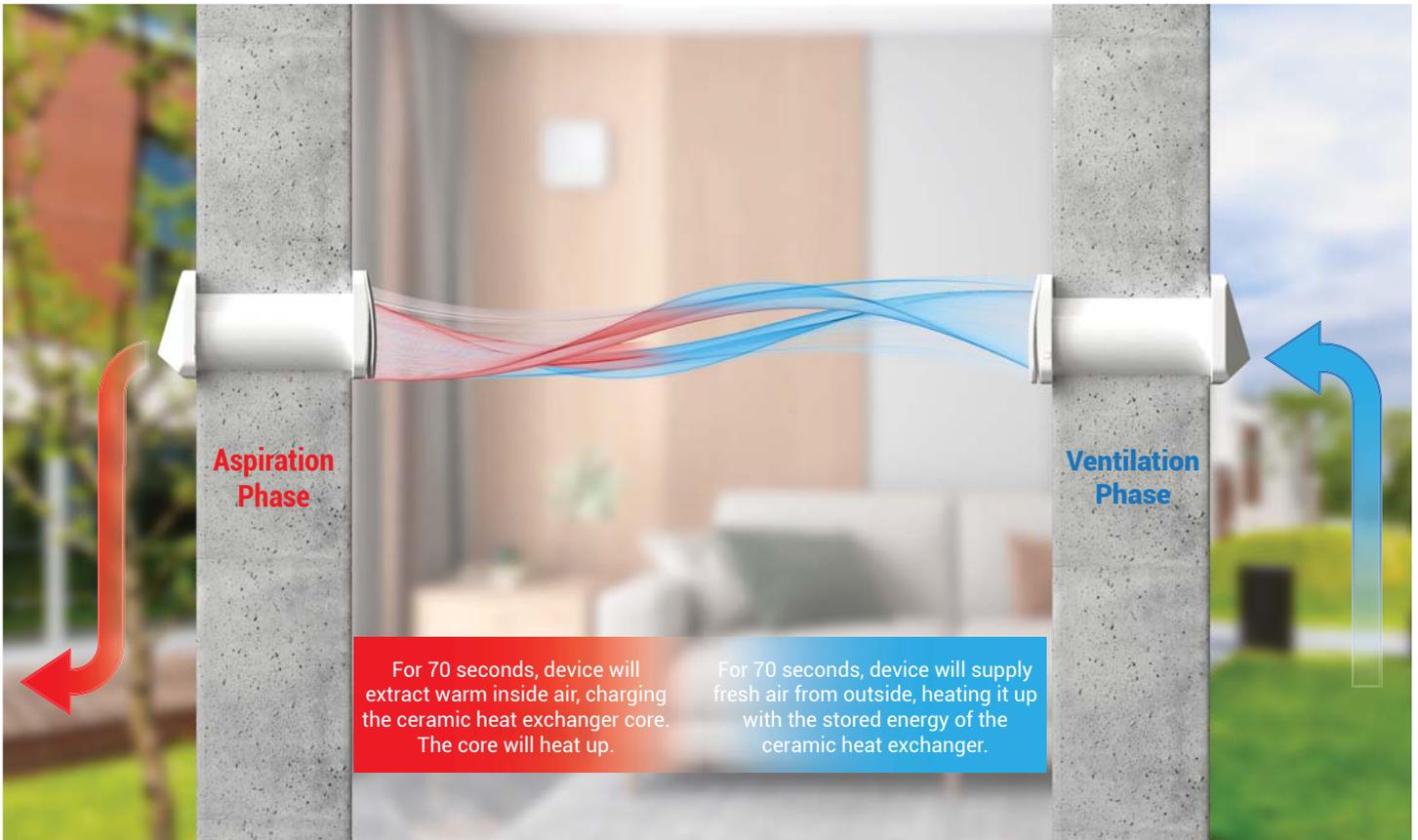
[www.bskhvac.com.tr](http://www.bskhvac.com.tr)



## BSK ZEPHYR DECENTRALIZED HEAT RECOVERY DEVICE

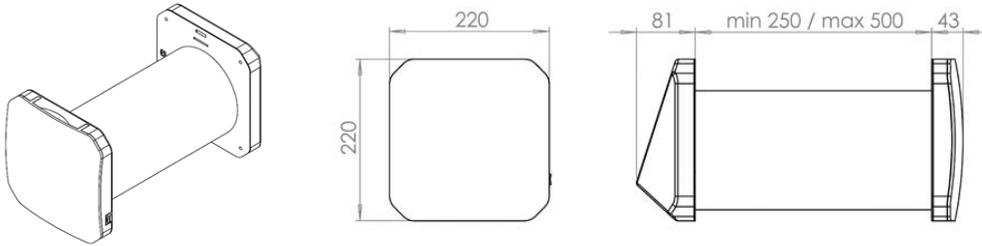
The BSK Zephyr decentralized heat recovery device is an intelligent and connected ventilation solution designed for spaces without traditional ventilation systems. At its heart, the BSK Zephyr features a ceramic heat recuperator paired with a two-way fan. Operating on a 70-second periodic cycle, the device alternates between air intake and exhaustion. During the exhaust phase, it removes stale indoor air while recharging the ceramic core. When the cycle reverses, fresh outdoor air is pushed through the charged core, either heating or cooling it based on the season. With heat exchange rates reaching up to 90%, the BSK Zephyr enables efficient energy recovery. Additionally, it supports wireless communication between multiple devices, integrates seamlessly with a mobile app, and facilitates zoning for customized ventilation control.





Built-in WiFi 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.

## TECHNICAL SPECIFICATIONS



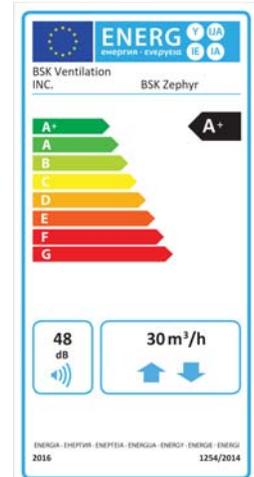
Technical Specifications

Electrical Connection	110/230V 50/60Hz			
Fan Speed	Night Mode	I	II	III
Air Flow (m <sup>3</sup> /h)	15	30	45	60
Elec. Power (W)	0.9	1.1	2.8	5.9
Sound Power	21.3	25.7	39.8	47.9
Sound Pressure @1m (dBA)	10.3	14.7	28.8	36.9
Sound Pressure @3m (dBA)	0.8	5.1	19.2	27.3
Thermal Efficiency	up to 90%			
Fan Type	2-way EC Controlled 12VDC Axial Fan			
Sensor Type	Temperature and Humidity			
Filter	2x G3 (optional M5)			
Protection Class	IPX4			
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.



## LOCAL WIRELESS PAIRING OF MULTIPLE UNITS



READY

Wirelessly connect and control multiple BSK Zephyr units through local pairing using the onboard wireless chip. This feature facilitates seamless communication between devices throughout your home. By pairing individual units to a master device, you can establish ventilation zones, ensuring synchronized operation. Plus, manage all connected devices conveniently with a single IR remote. This local connection between devices operates independently of the internet, ensuring reliable functionality without the need for internet access.

## BSK ZEPHYR MOBILE APP

Unlock the full potential of your BSK Zephyr units with our intuitive and powerful BSK Zephyr mobile app. Whether you're at home or on the go, take command of your indoor environment ventilation with convenience.

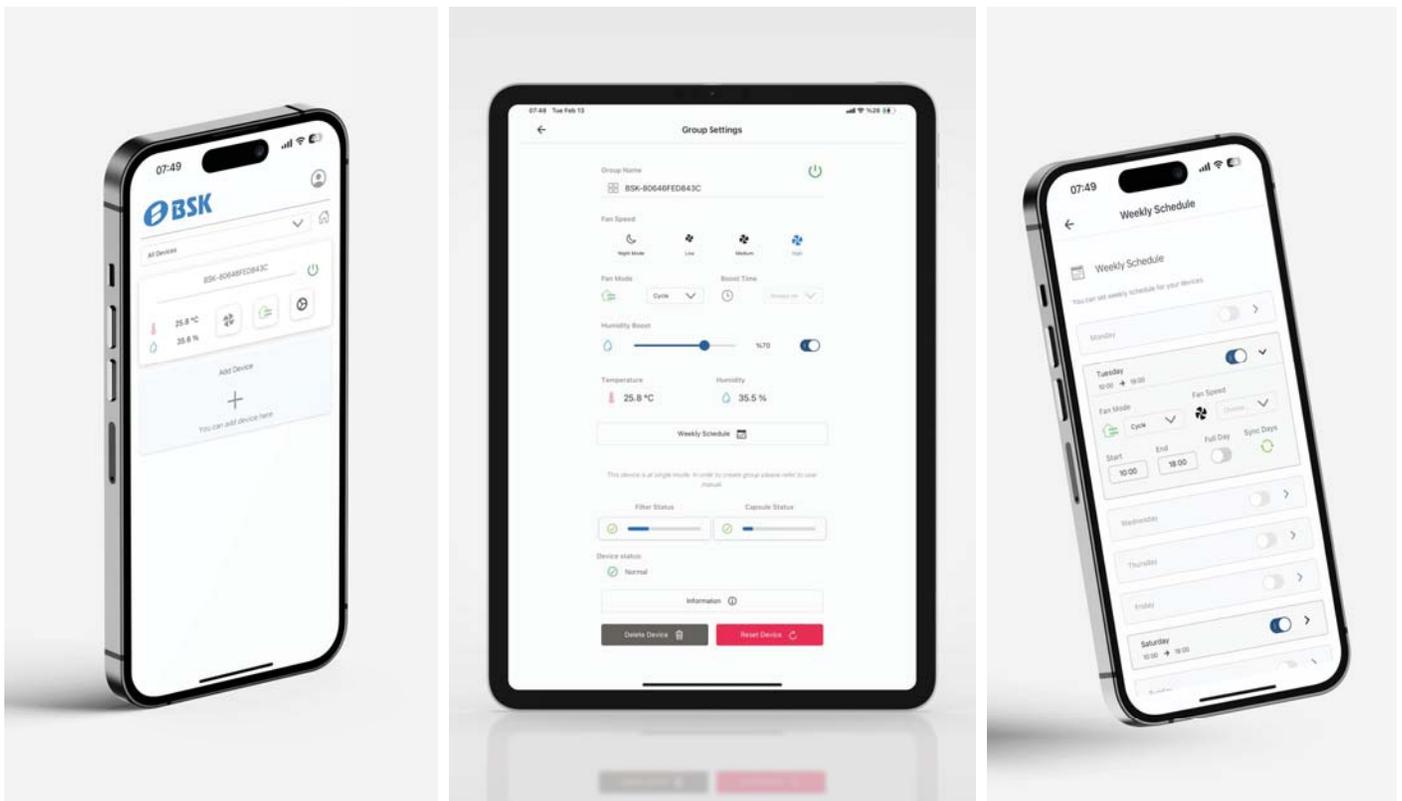
**Remote Access:** Adjust settings and monitor performance from anywhere with internet access.

**Customized Settings:** Easily manage fan speed, boost settings or humidity levels preferences.

**Weekly Scheduling:** Set up weekly schedules for personalized comfort and energy efficiency.

**Real-Time Monitoring:** Stay informed with instant updates on indoor temperature and humidity conditions.

**Filter Maintenance Alerts:** Receive timely reminders for optimal device performance.



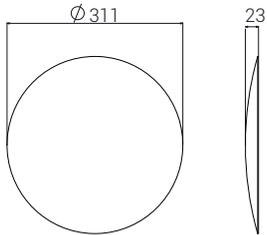
■ Download the app and enjoy the convenience of smart ventilation control at your fingertips.



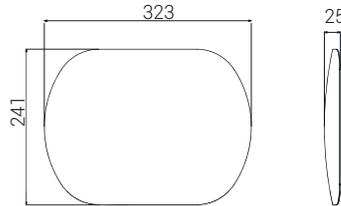
## ALUMINUM FRONT PANEL COVERS

- With a wide range of shapes and colors available, they provide the flexibility to either seamlessly integrate into your home's interior design or to stand out as a unique artistic statement.

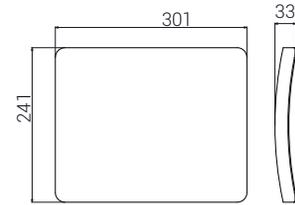
Zephyr/A/AFP/A



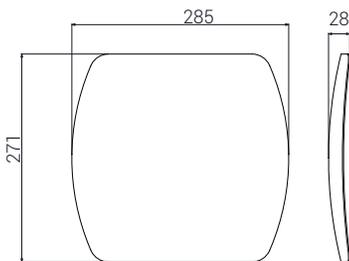
Zephyr/A/AFP/B



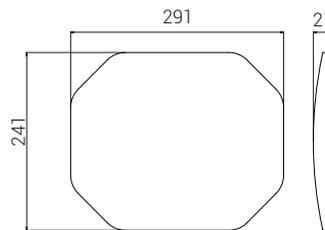
Zephyr/A/AFP/C



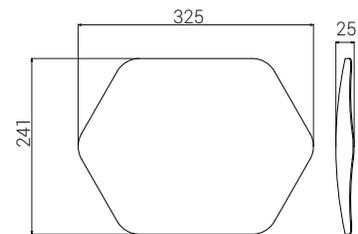
Zephyr/A/AFP/D



Zephyr/A/AFP/E



Zephyr/A/AFP/F



## COLOR PALETTE

- Our products are available in custom colors outside of the standard color palette, with corresponding product codes and pricing adjustments

ALUMINUM FRONT PANEL COVERS CODES	ALUMINUM FRONT PANEL COVERS CODES WITH CUSTOM COLOR
Zephyr/A/AFP/A	Zephyr/A/AFPC/A
Zephyr/A/AFP/B	Zephyr/A/AFPC/B
Zephyr/A/AFP/C	Zephyr/A/AFPC/C
Zephyr/A/AFP/D	Zephyr/A/AFPC/D
Zephyr/A/AFP/E	Zephyr/A/AFPC/E
Zephyr/A/AFP/F	Zephyr/A/AFPC/F

### Standard color palette



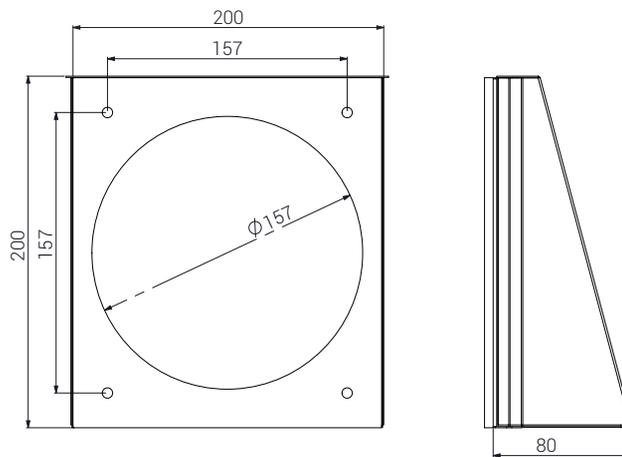
## THE METAL EXTERIOR HOOD

- "This durable solution is perfect for enduring challenging outdoor conditions. It is available in both stainless steel and galvanized options, with a variety of color choices to match your building facade."

Zephyr/A/ PSL



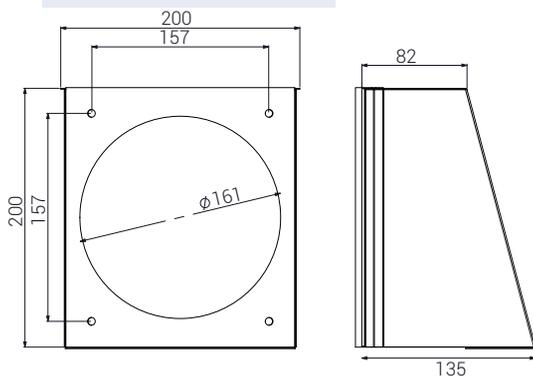
Zephyr/A/SSL



## THE THIN-WALL METAL EXTERIOR HOOD

- "The design extends the minimum wall thickness requirement of the Zephyr units down to 150mm by accommodating a wider exterior hood. This allows the capsule to protrude into the hood, offering greater flexibility in installations where there is not enough wall thickness."

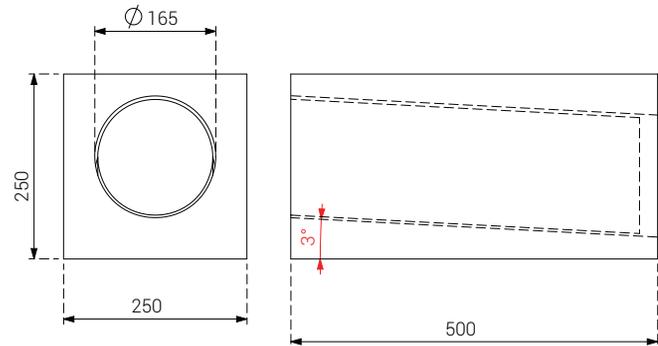
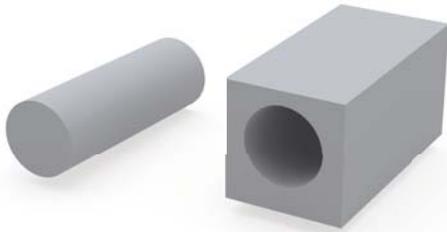
Zephyr/A/SNWL



## PRE-CONSTRUCTION EPS BLOCK

- These blocks are designed specifically for wall construction, ensuring seamless integration and unparalleled convenience. Each block features a precisely cut hole with a slight slope, eliminating the need for additional adjustments during construction."

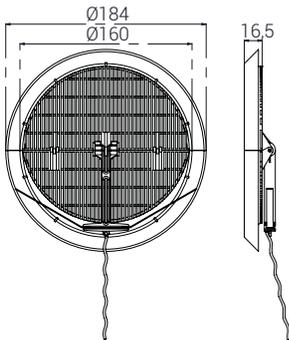
Zephyr/A/CEB



## THE FOLDABLE EXTERIOR LOUVRE

- "Thanks to its foldable design, which allows the louvre to pass through the 160mm tubing, the exterior hood can be installed from inside the house. This feature is especially beneficial for high-rise buildings where accessing the exterior wall can be restricted or hazardous."

Zephyr/A/FEL



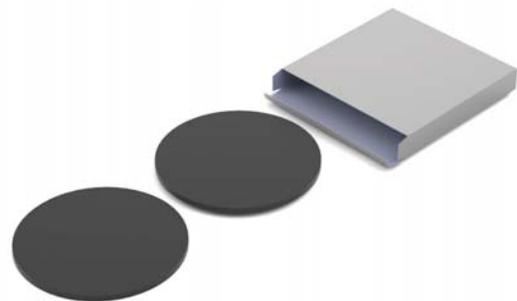
## G3 FILTER

- "The unit provides filter options with or without casings. Available filters include G3 and M5 variants. To ensure adequate airflow and noise levels, it is important to use our original filters."

Zephyr/A/FC/G



Zephyr/A/F/G



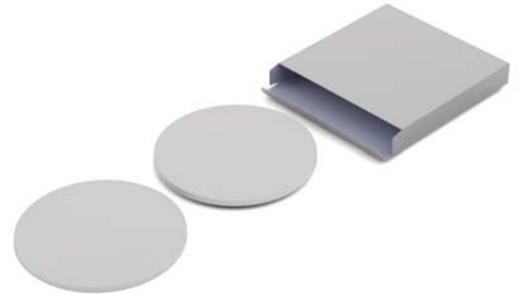
## M5 FILTER

- "In environments with high levels of air pollution, you might choose the M5 filter for its superior filtration capability. All tests were initially conducted using the G3 filter, and utilizing the M5 filter may lead to variations in airflow and noise levels."

Zephyr/A/FC/M



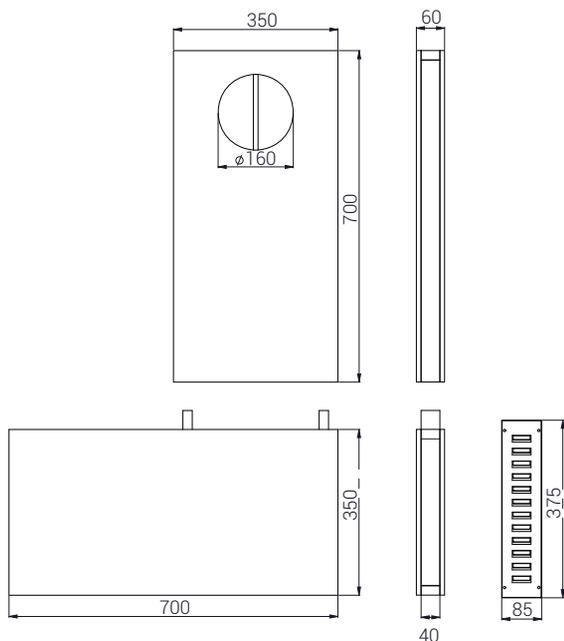
Zephyr/A/F/M



## PRE-CONSTRUCTION WINDOW FACADE EXTENSION

- The pre-construction window facade extension enhances the aesthetic appeal of your building's facade by seamlessly integrating a 90-degree turn into the wall. This innovative solution replaces the plastic outer hood of the unit, allowing for the placement of a slim louvre near a window side wall. With its installable structure, the air outlet direction can be customized to suit your home.

Zephyr/A/CWFE







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