



HEAT  
RECOVERY  
VENTILATION  
SYSTEM

WESTON CLIMATE RECOVERY SYSTEM

WMD Company OÜ is a representative of Vika Technologies Limited.  
Products supplied to the European market are grouped under a single  
brand – WESTON CLIMATE.

The device is manufactured on order by WMD Company OU and adapted  
to meet European and Scandinavian  
requirements.

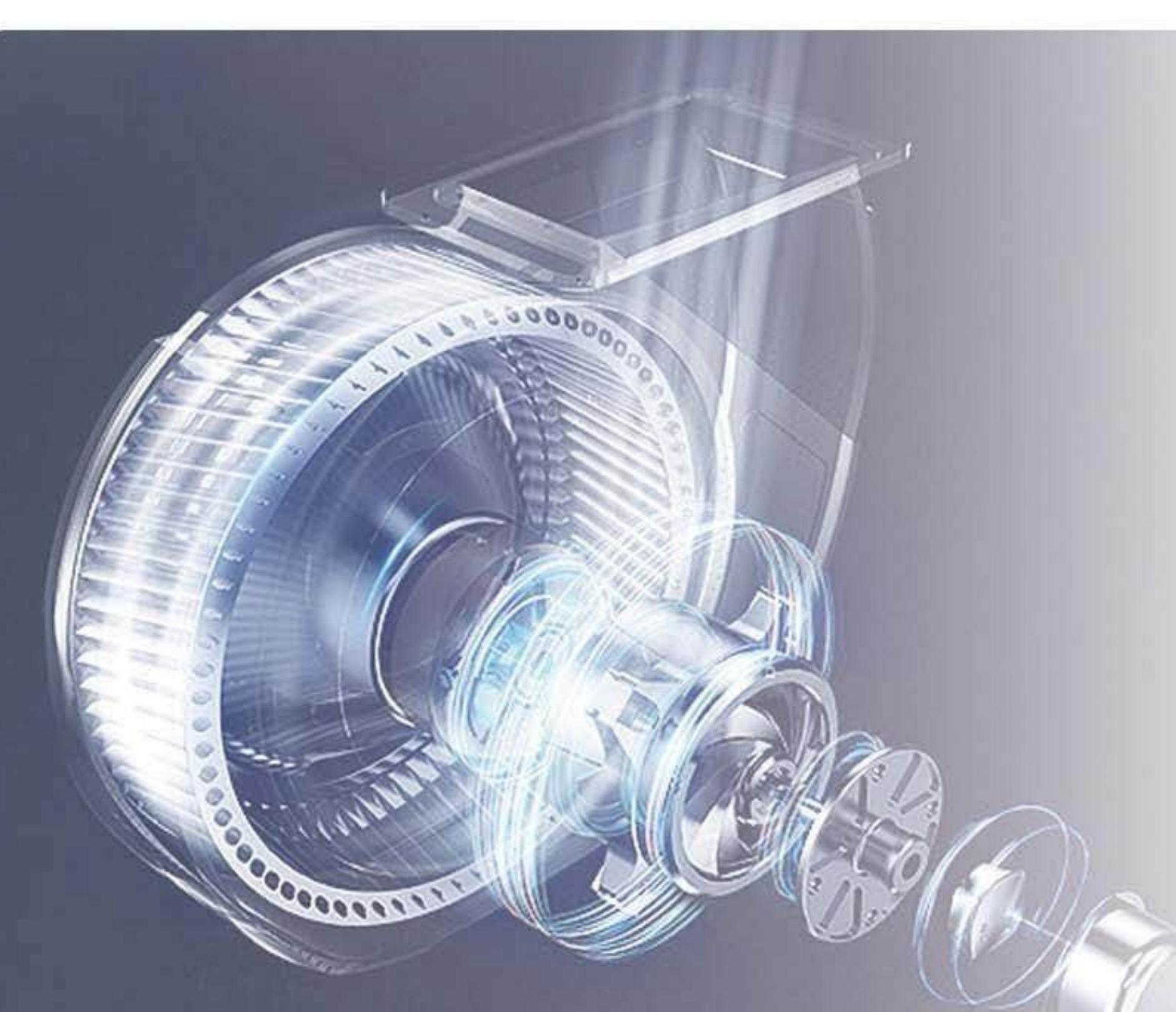
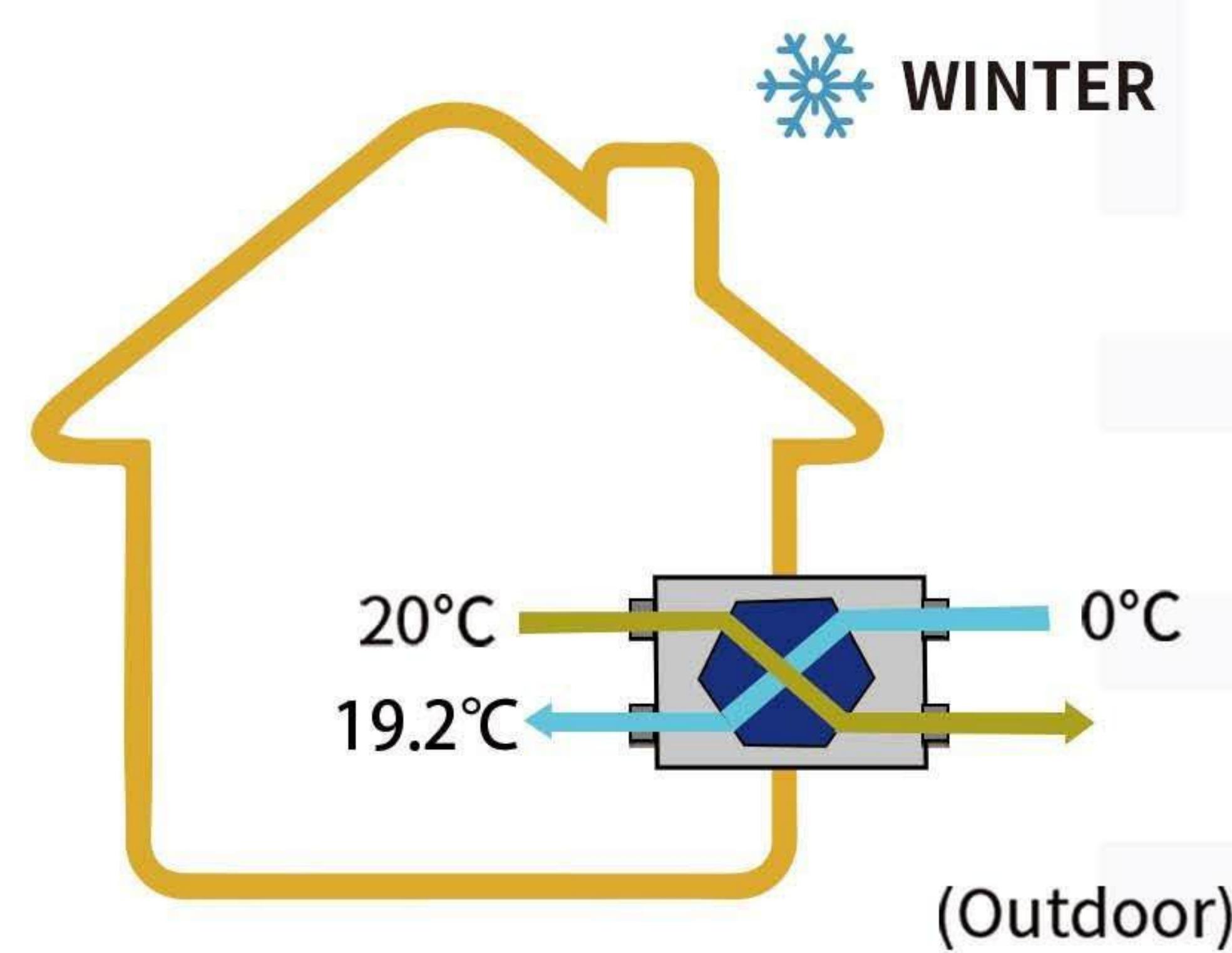
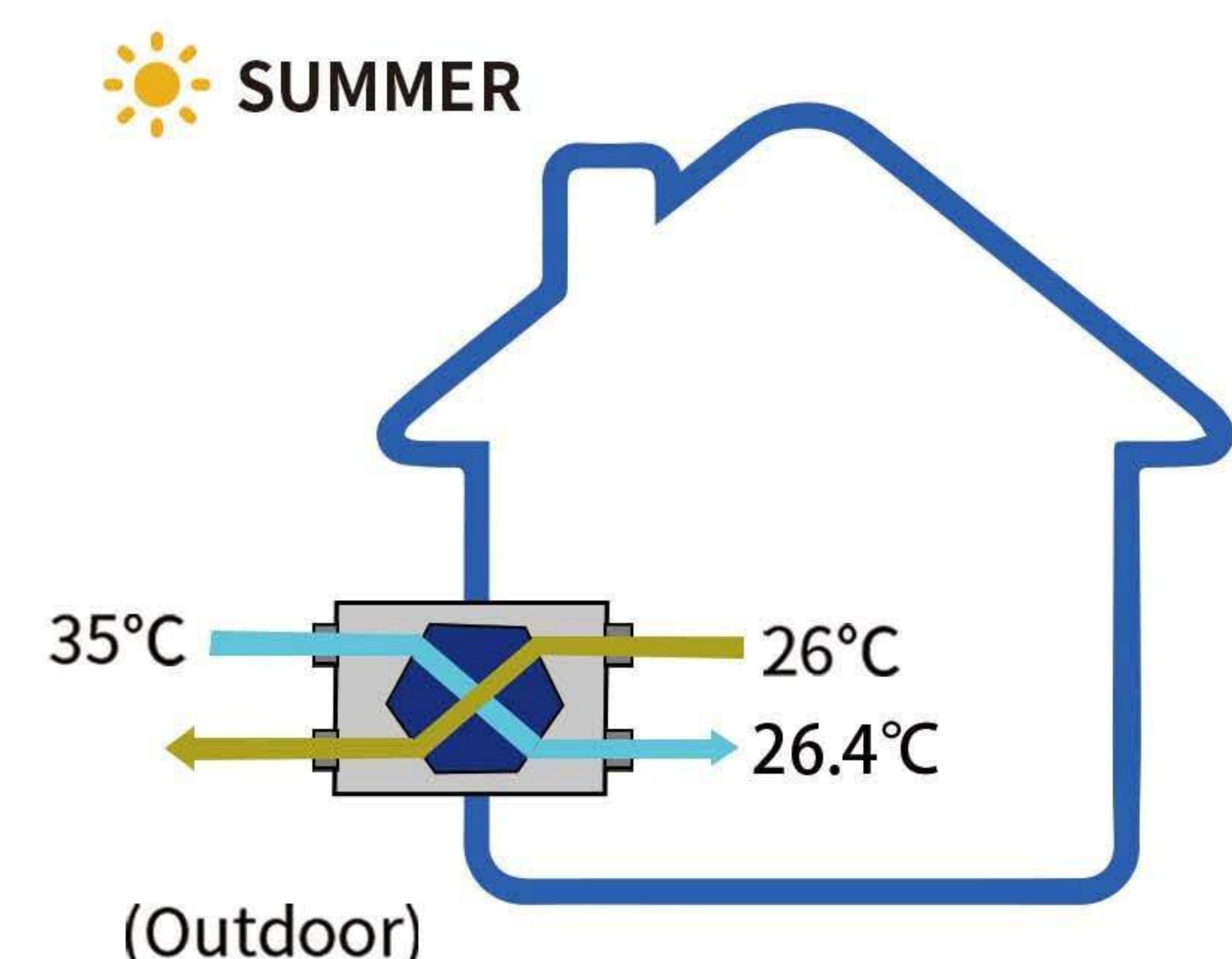
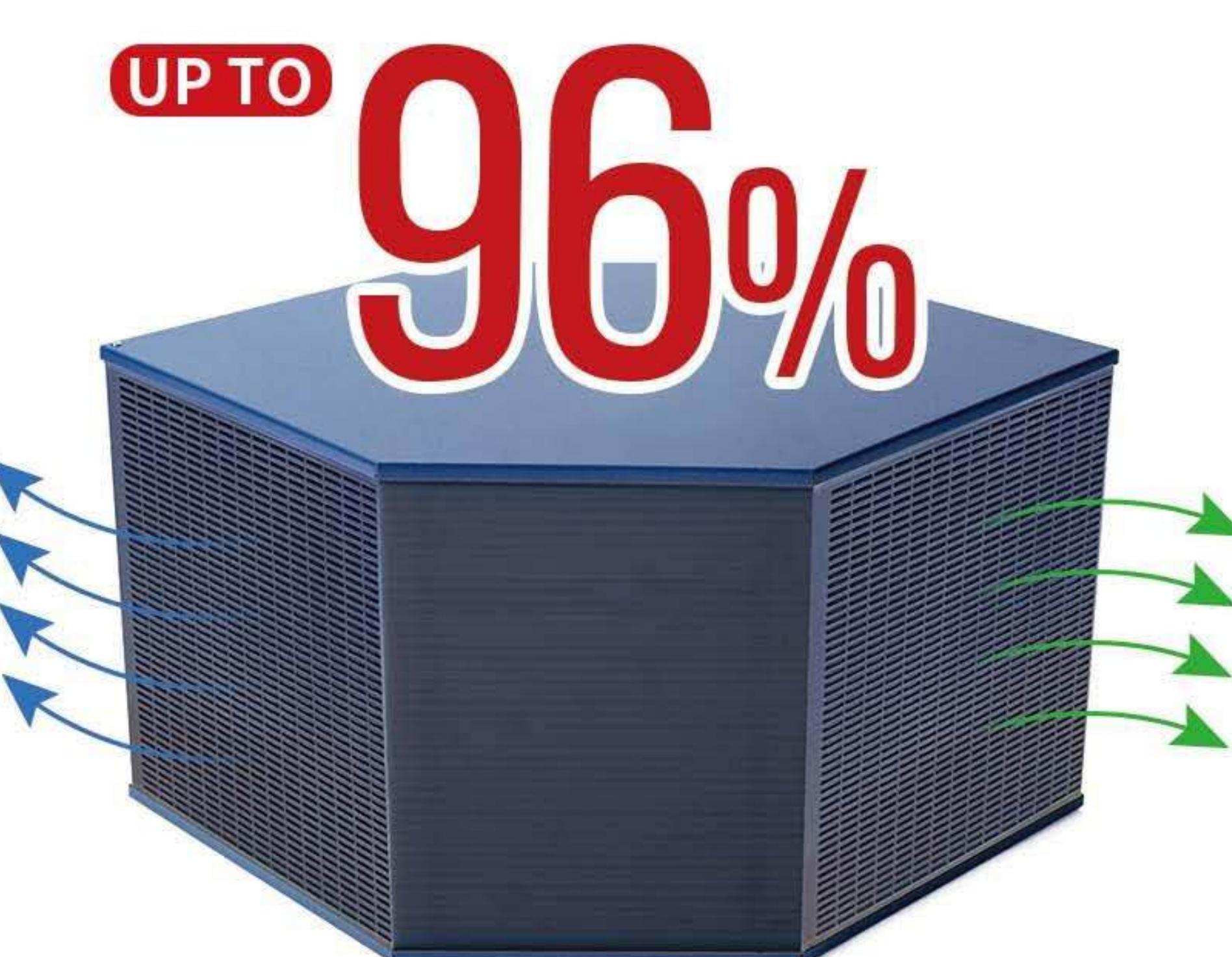
The device has the CE marking and meets all EU requirements  
Website: [www.westonclimate.com](http://www.westonclimate.com)  
E-mail: [sales@westonclimate.com](mailto:sales@westonclimate.com)  
Phone: +372 5568 9584

## COUNTER-FLOW

### High Efficiency

Counter-flow plate heat exchanger (no moving parts), with an optimal distance between layers to ensure a high heat recovery efficiency and a smooth movement of the airflows. Material with Graphene used has a high heat recovery efficiency.

The core is washable and durable, anti-mold, anti-viral and anti-bacterial.



### EC MOTOR

Energy Saving

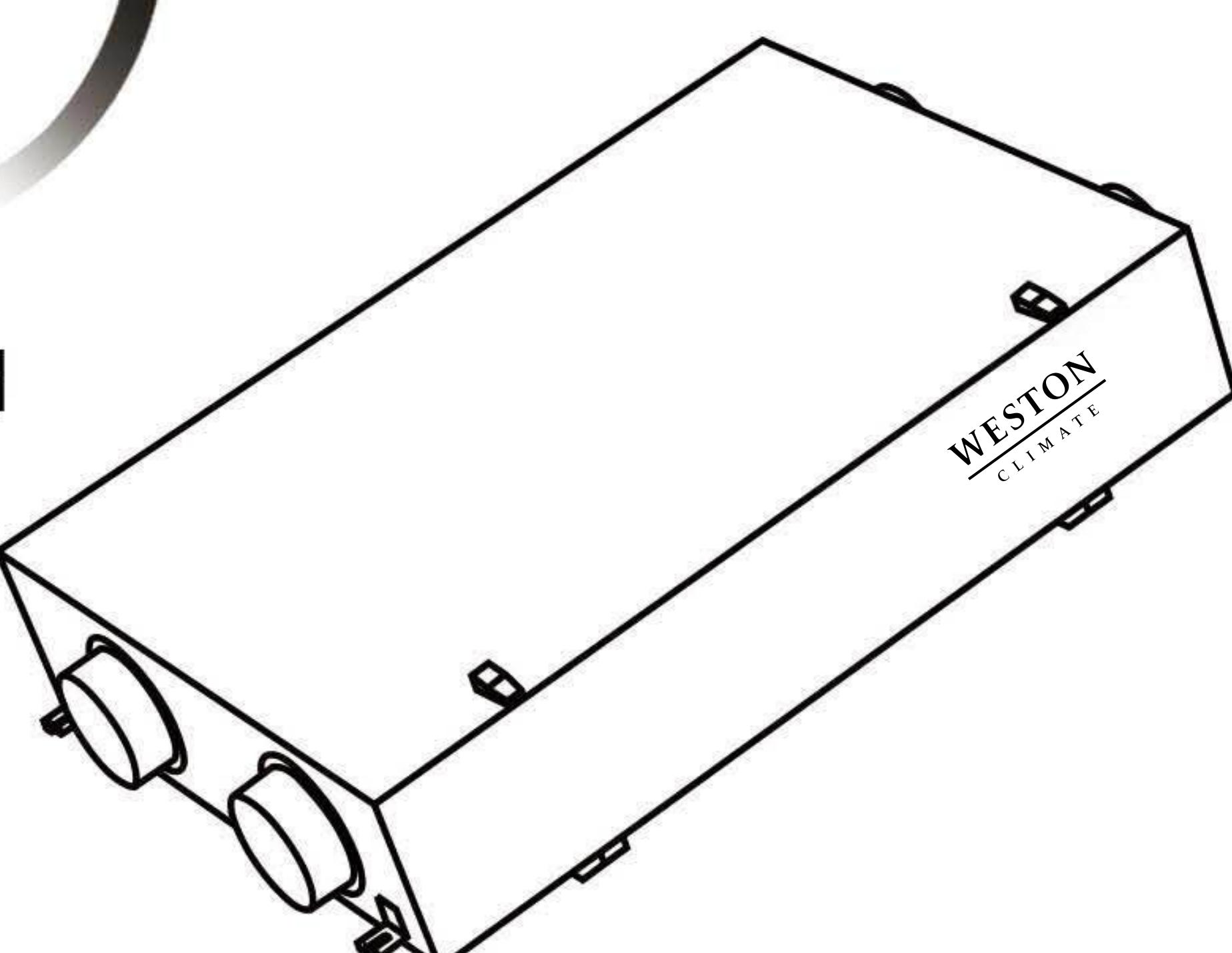
High performance Variable Speed Drive (VSD) EC motor has the features of low power consumption, quiet and high static pressure. This not only reduces the long run electricity cost, but also ensures the air delivering to the room is sufficient after ducting.



The airflows of the models are tested at 100Pa standard condition. Comparing to traditional way of testing at 0Pa, 100Pa ensures a sufficient amount of airflows delivering to each room.



BOOST  
SWITCH



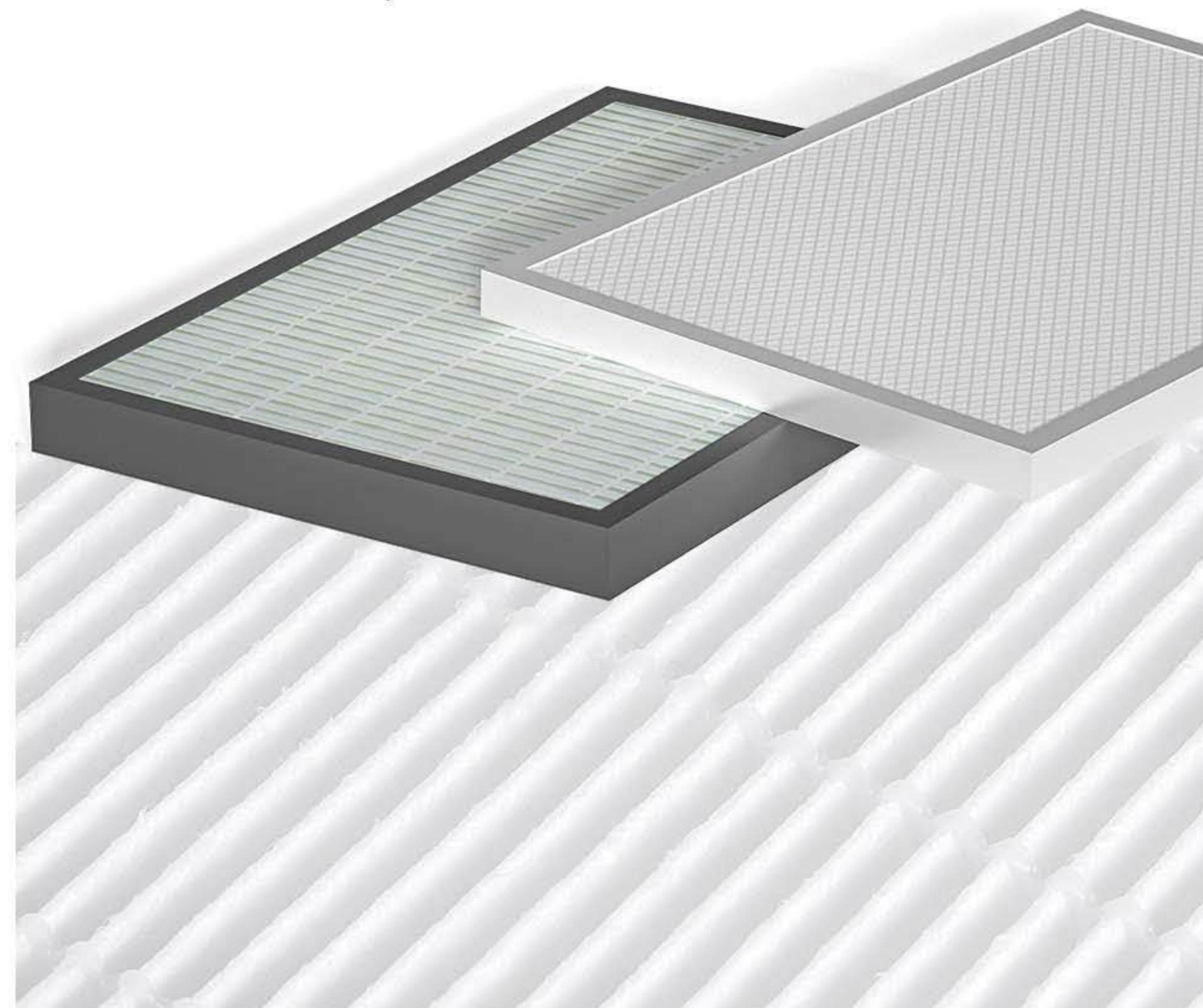
## BOOST FUNCTION

### Rapid Circulation

Boost ventilation is a function that can be triggered when indoor needs a fast circulation of air with outdoor fresh air. When the IAQ is bad, or indoor humidity is high, boost function can be triggered to ensure pollutants are extracted immediately at the highest fan speed. Up to 10 external boost switches can be connected to the control system.



G4 extract filter and G4 supply filter are fitted as standard. F8 supply filter is optional. H11 supply filter is available upon request (H11 filtering efficiency of PM2.5 is >99.9%).

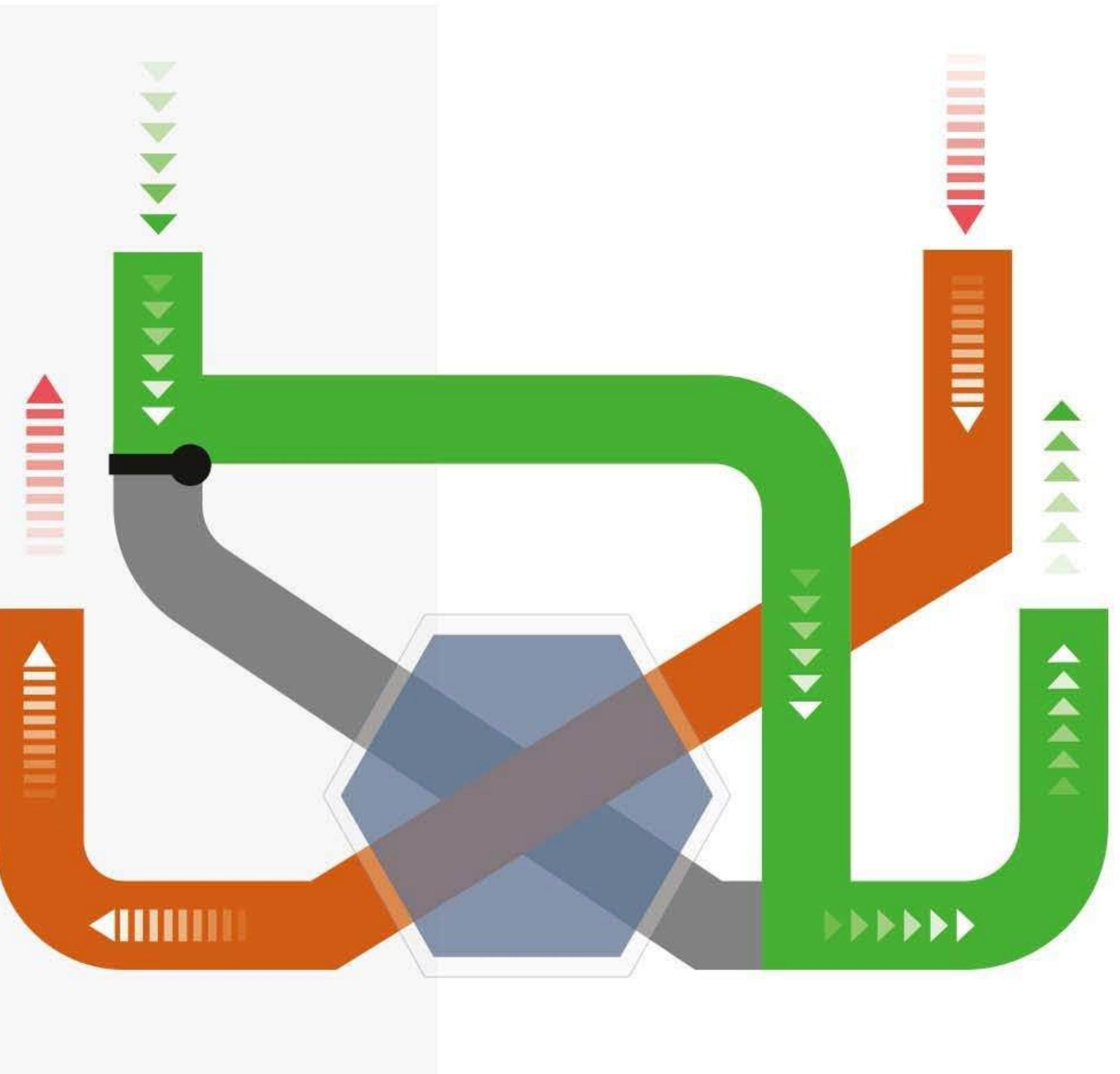


## Bypass

### BYPASS DAMPER

#### Automation

Built-in Bypass damper for summer bypass (free-cooling), without exchanging the heat at the heat exchanger, the fresh air with comfortable temperature level from outdoor can be delivered into the room directly.





## CONSTANT FLOW VENTILATION SYSTEM

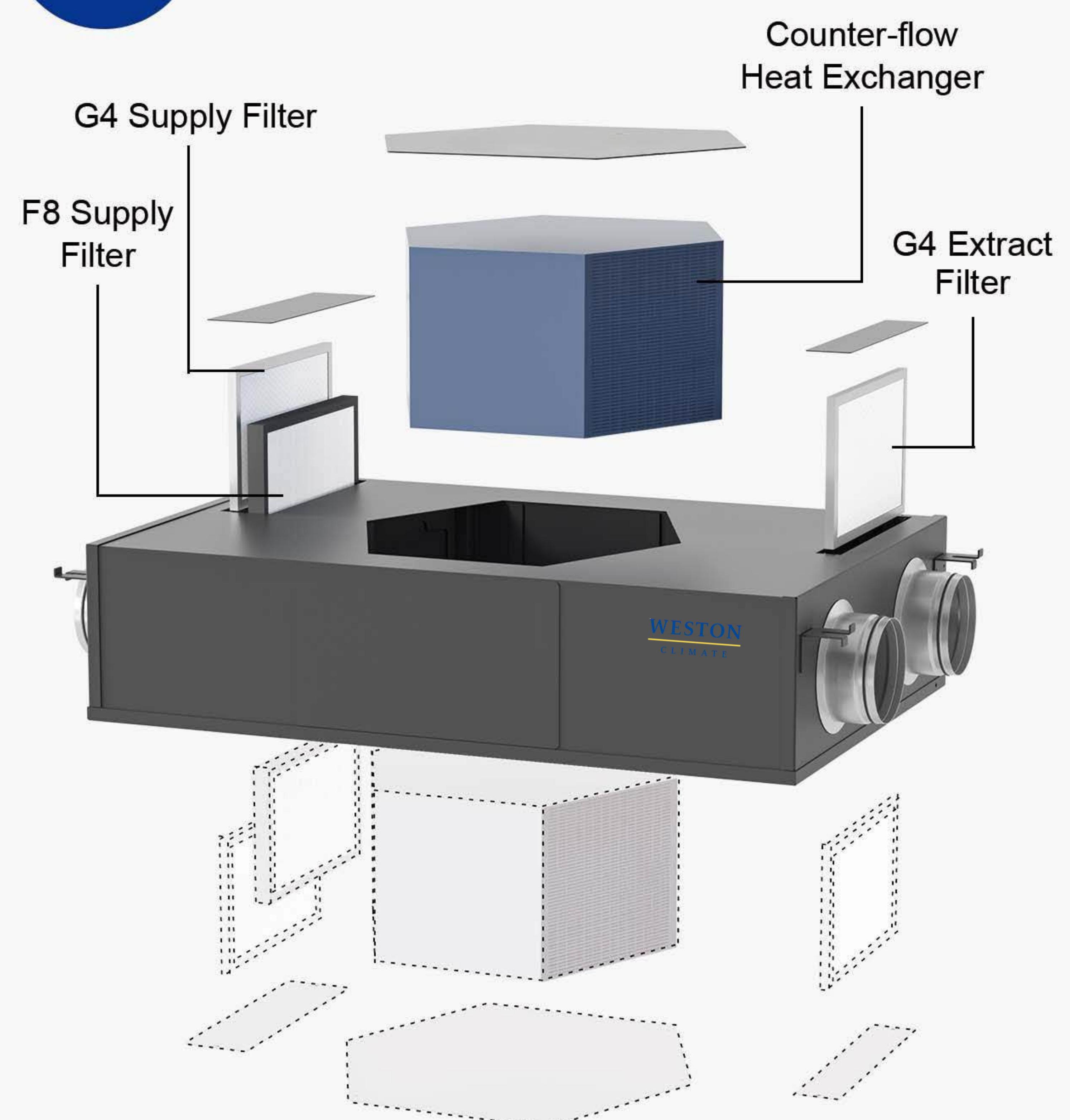
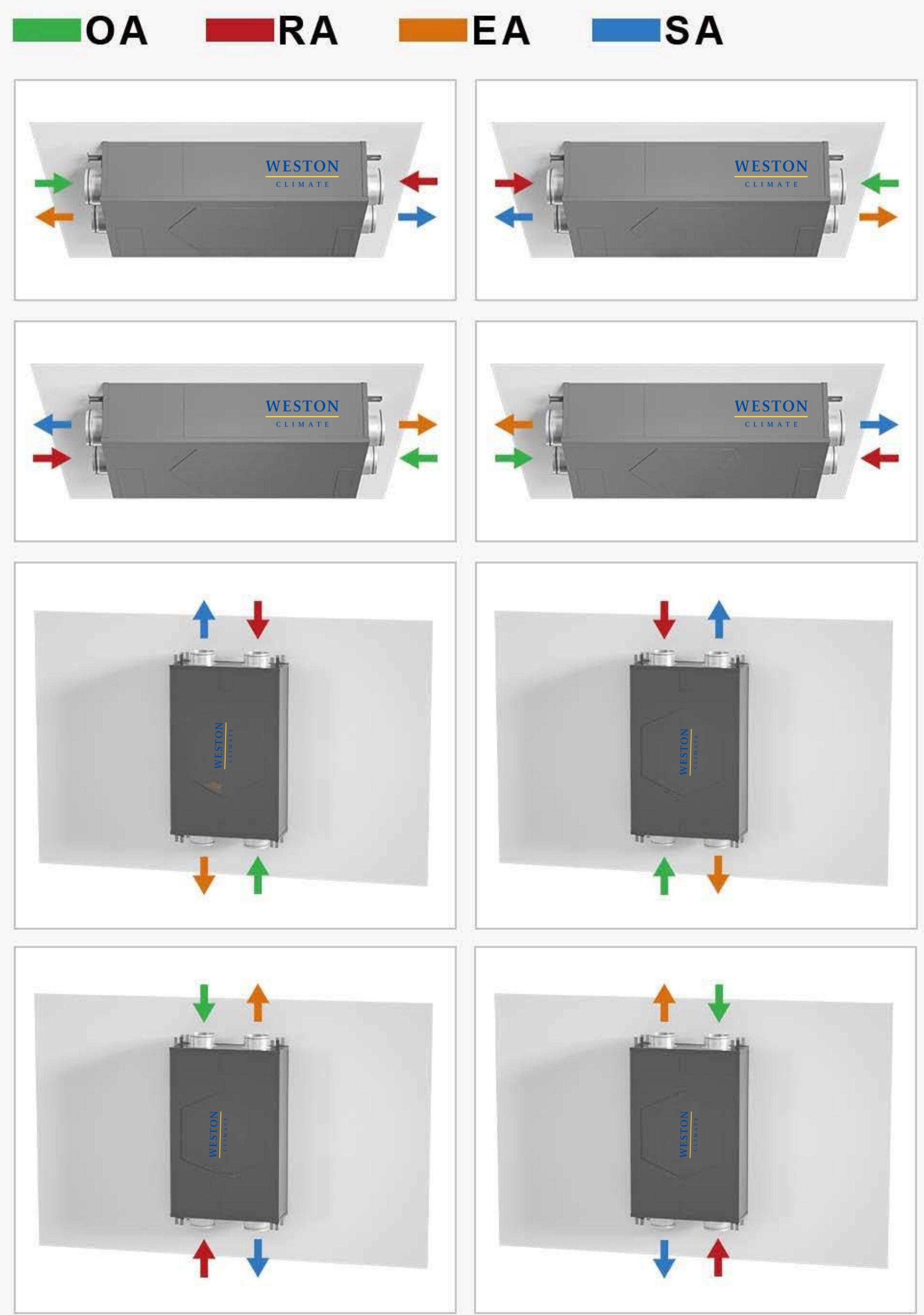


100m<sup>3</sup>/h ~ 180m<sup>3</sup>/h

195 THIN  
mm

### CS FLEX SERIES

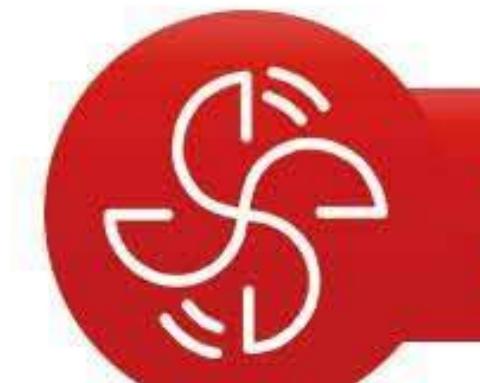
#### ■ FLEXIBLE INSTALLATION



#### ■ MULTIPLE INSTALLATION



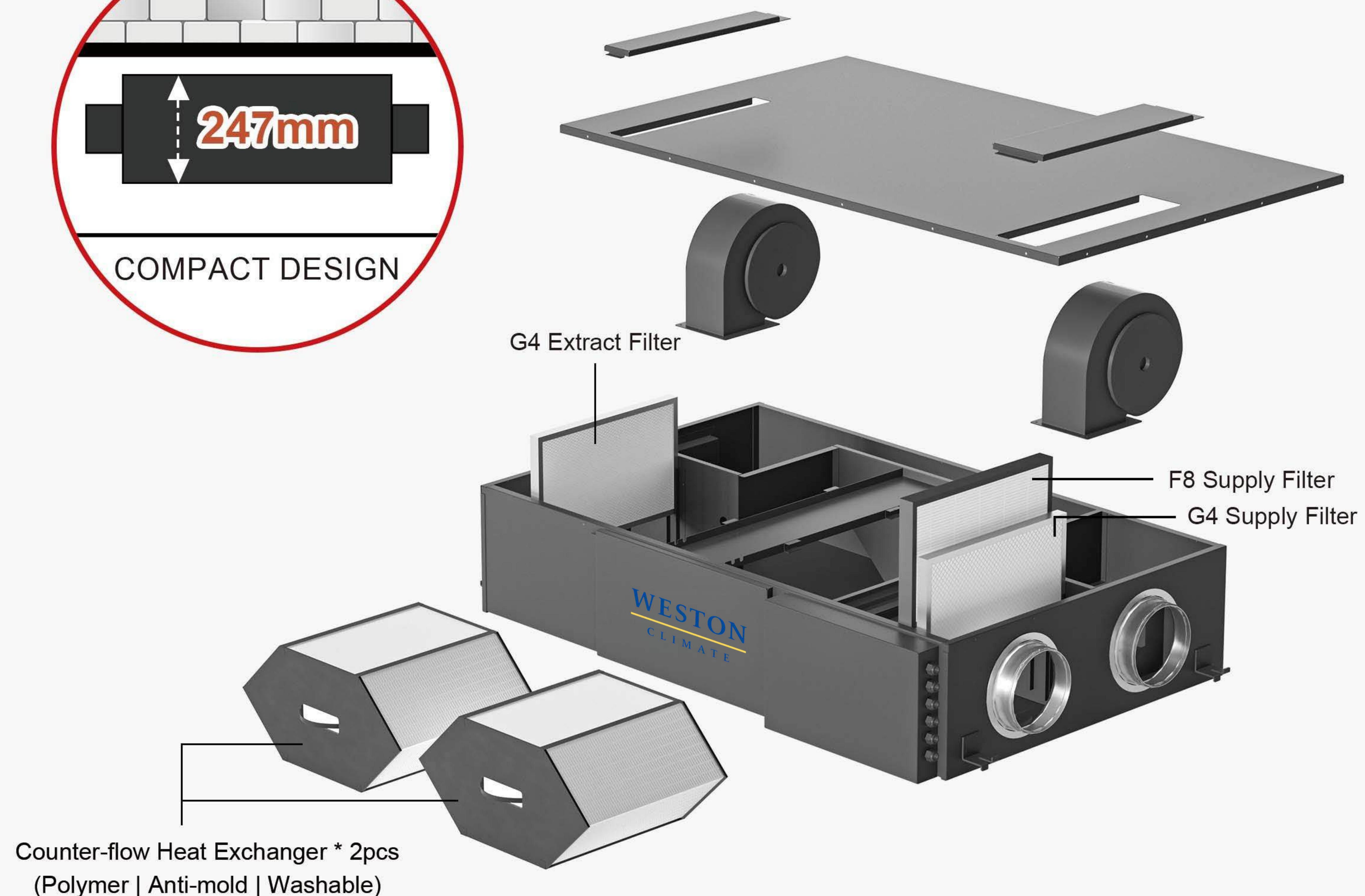
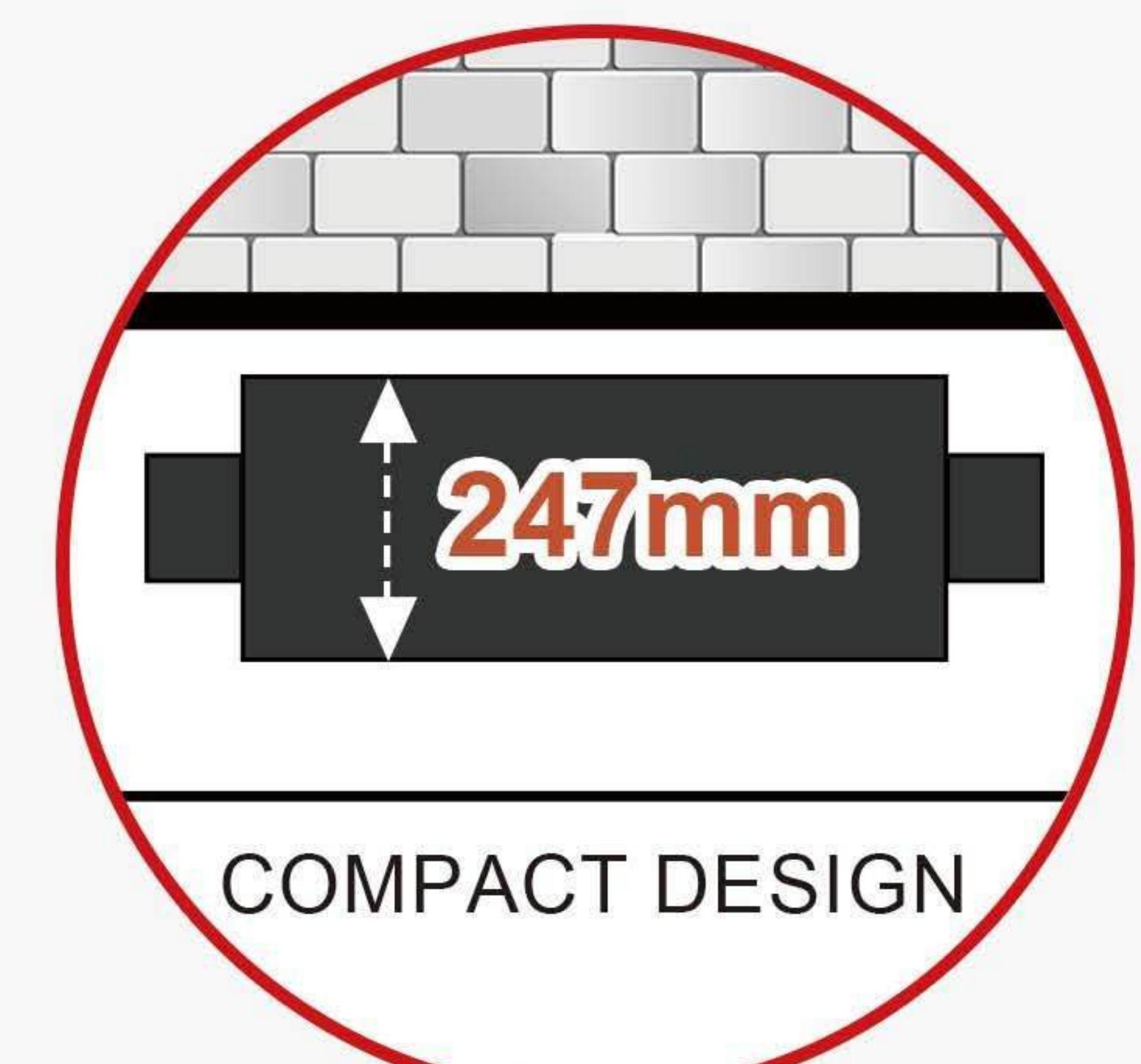
## REDUCE THE SPACE IN FALSE CEILING



200m<sup>3</sup>/h ~ 300m<sup>3</sup>/h

ECO

### CS ECO SERIES





## SIDE SERVICE PANEL

350m<sup>3</sup>/h ~ 400m<sup>3</sup>/h

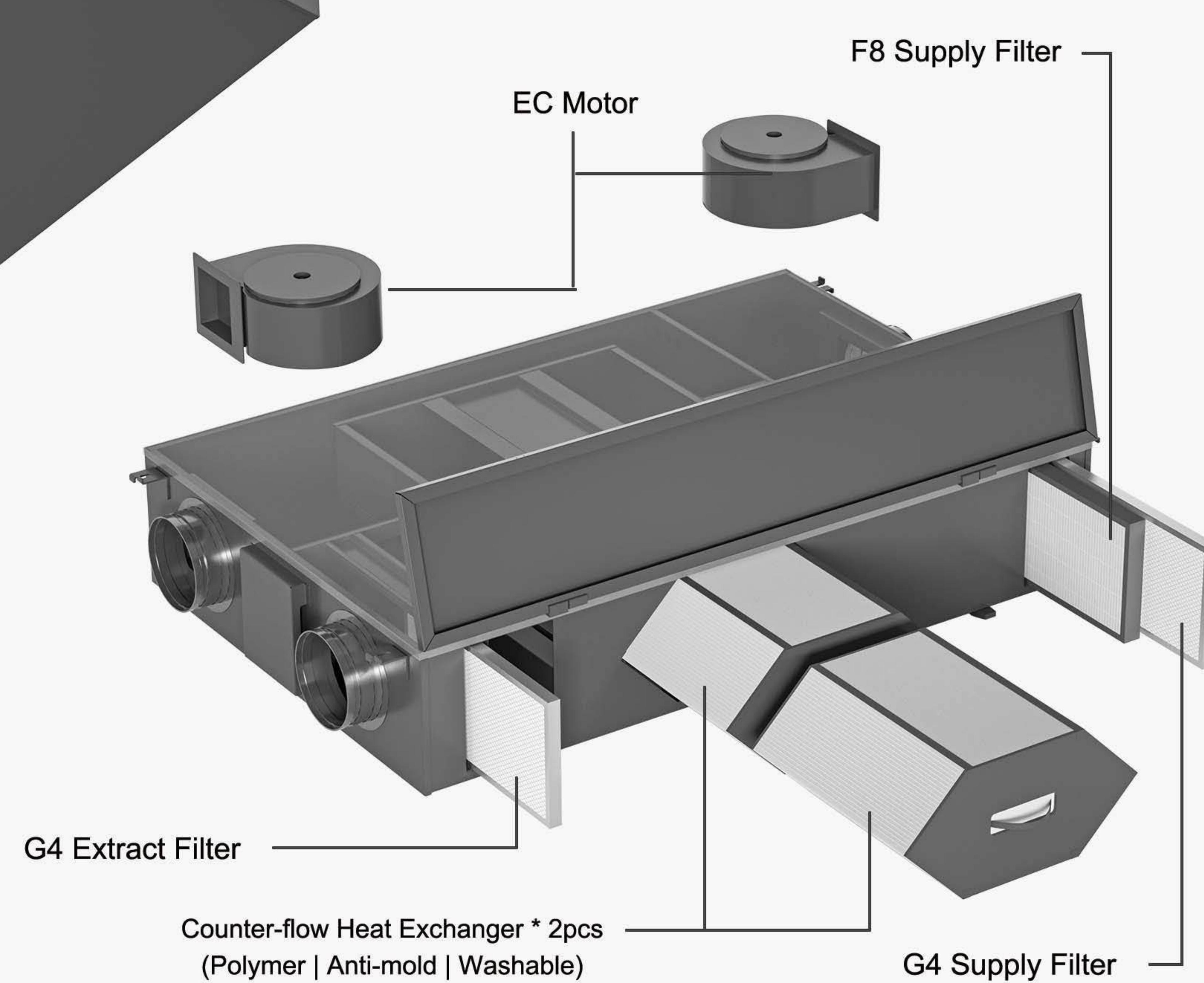


## HEAT RECOVERY VENTILATION SYSTEM

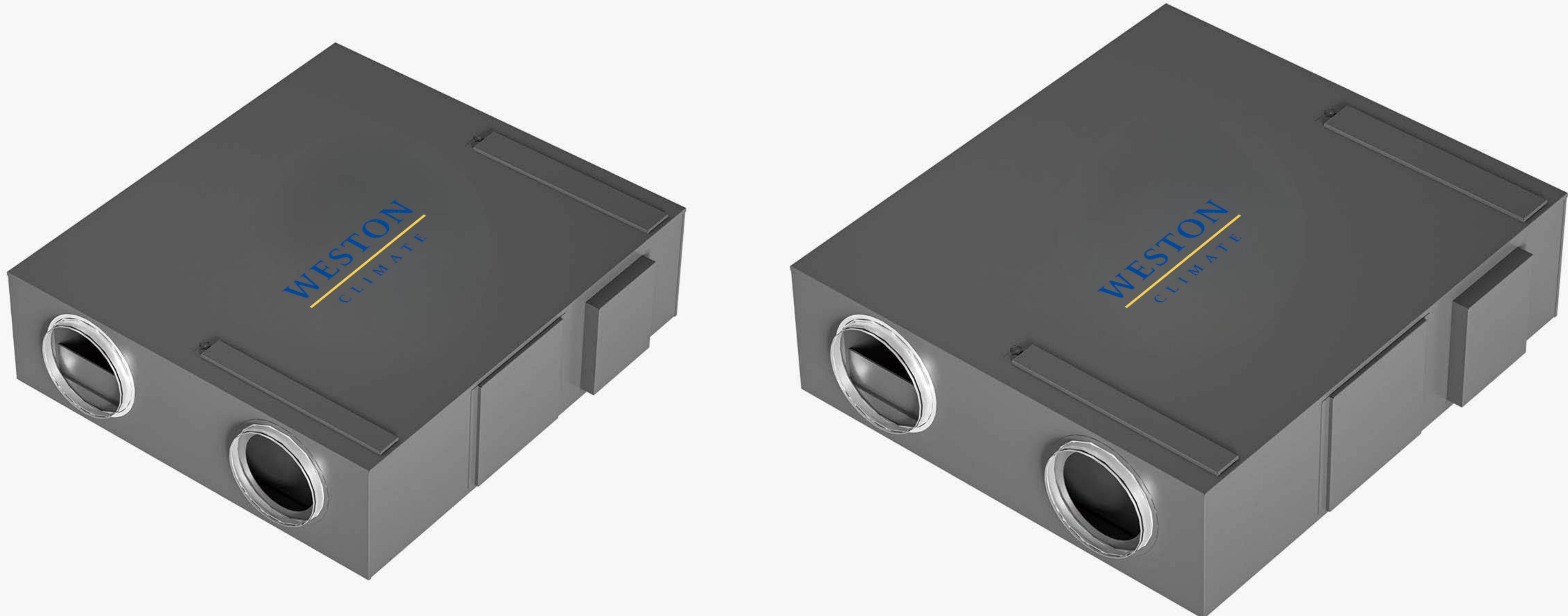
450m<sup>3</sup>/h ~ 550m<sup>3</sup>/h



### CS FIT SERIES



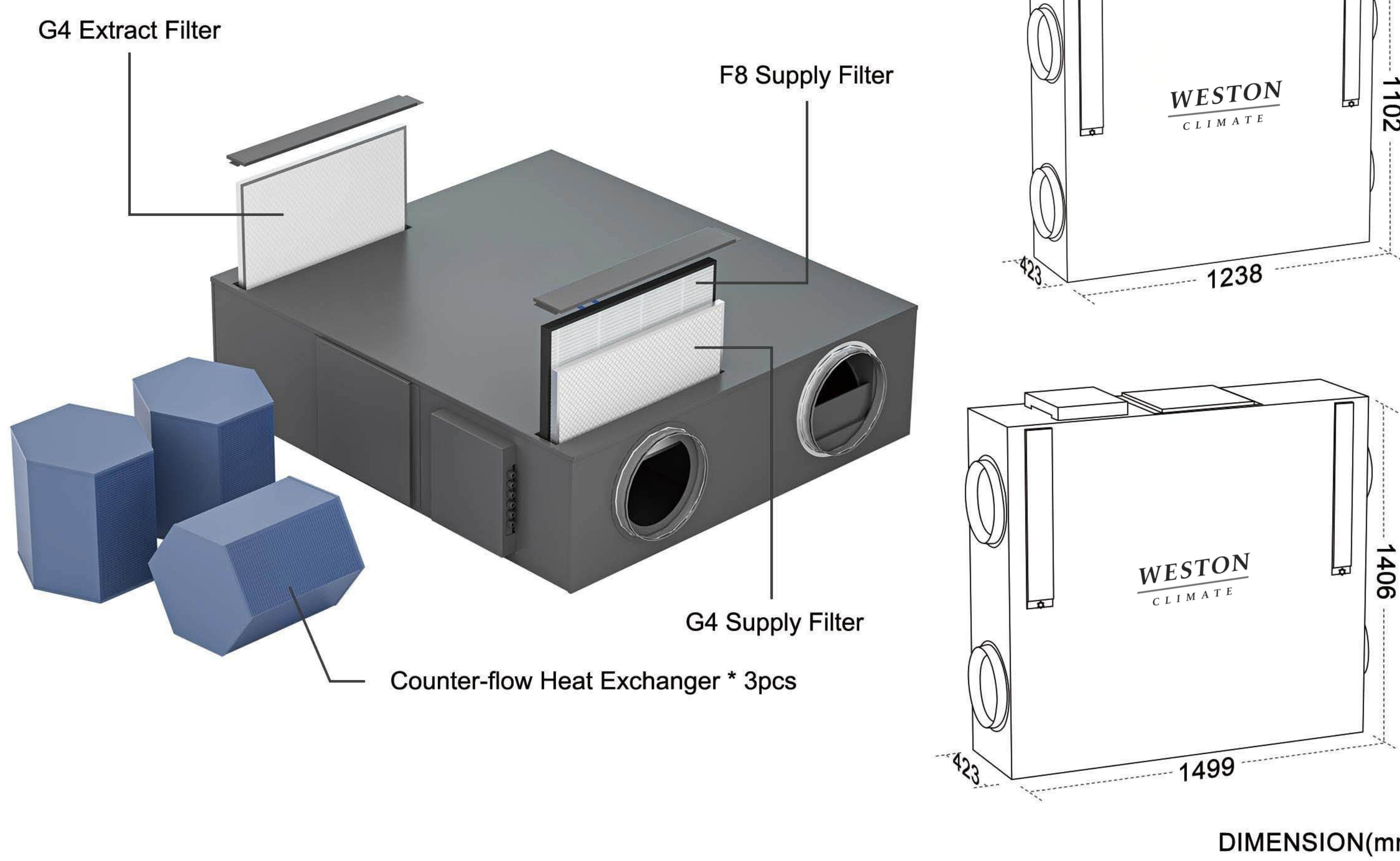
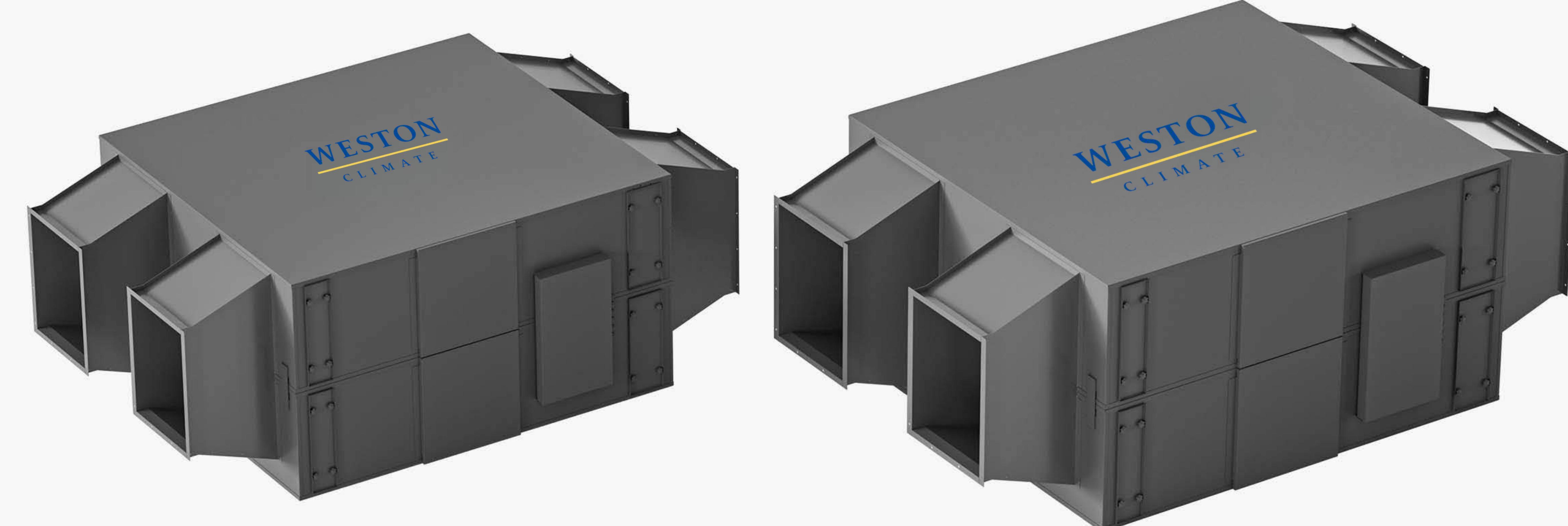
### CS EVO SERIES

RESIDENTIAL | COMMERCIAL  
VENTILATION

600m<sup>3</sup>/h~1200m<sup>3</sup>/h

CS PRO

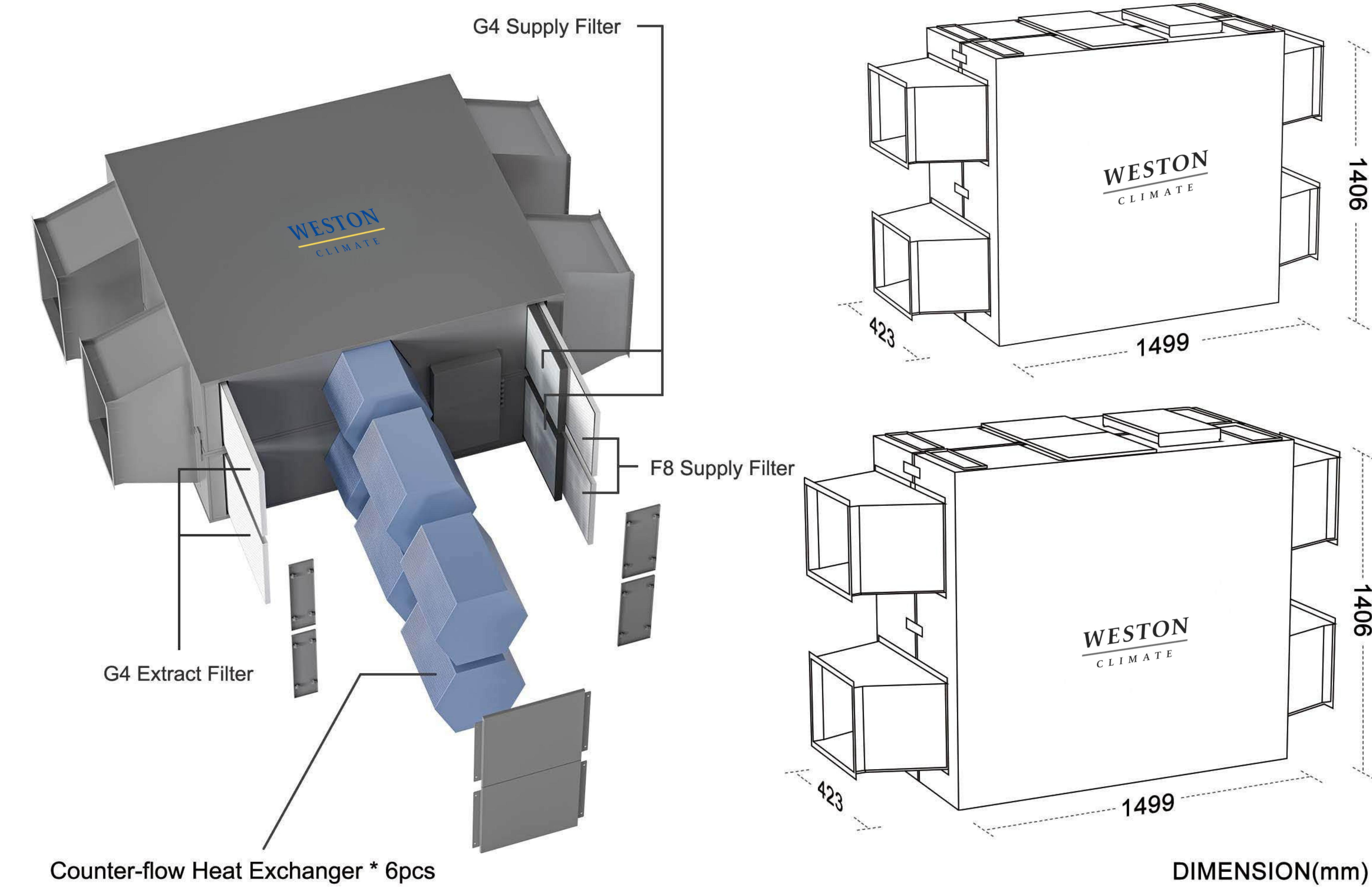
CS PLUS

COMMERCIAL | INDUSTRIAL  
VENTILATION

1500m<sup>3</sup>/h~2200m<sup>3</sup>/h

CS VENT

CS FLOW



## CONTROL SYSTEM

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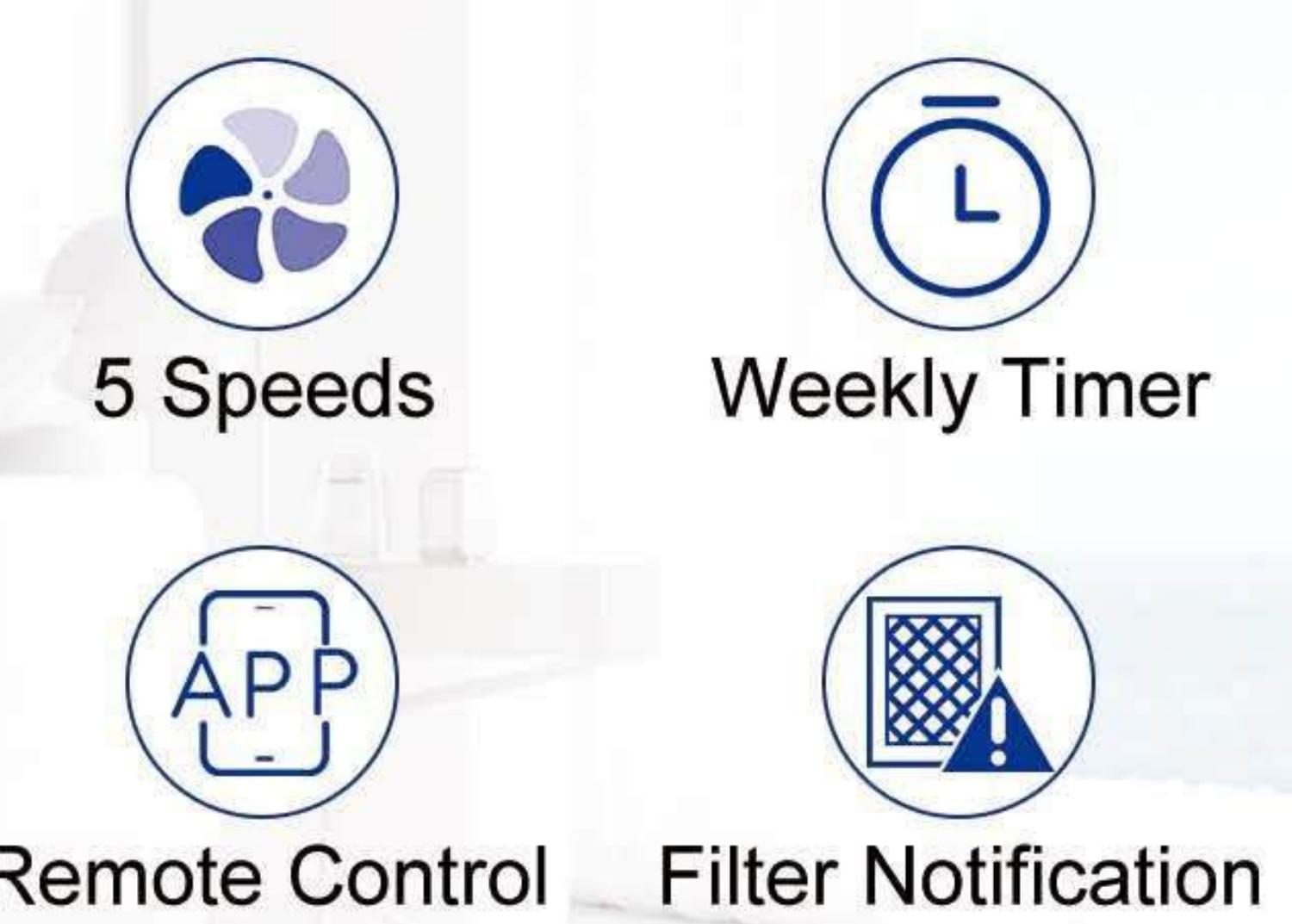
### VK8 CONTROL SYSTEM

- ✓ Comprehensive Control System
- ✓ HD 7" Color Touchscreen with Real-time IAQ Display
- ✓ Variable Speed Local Demand Control
- ✓ Modbus RS485 Smart Home Connection
- ✓ IAQ Sensors CO<sub>2</sub> / PM2.5 / VOCs / TEMP / RH
- ✓ Weekly Scheduled Operation
- ✓ Optional Fans Separately Control
- ✓ Multiple External CO<sub>2</sub> / RH / TEMP Sensors Connection
- ✓ Multiple External Boost Switches Connection
- ✓ Bypass / Defrost / IAQ Automation
- ✓ APP Remote Control Available
- ✓ Filter Countdown / Replacement Notification
- ✓ Complete Settings on Control Panel



### VK2 CONTROL SYSTEM

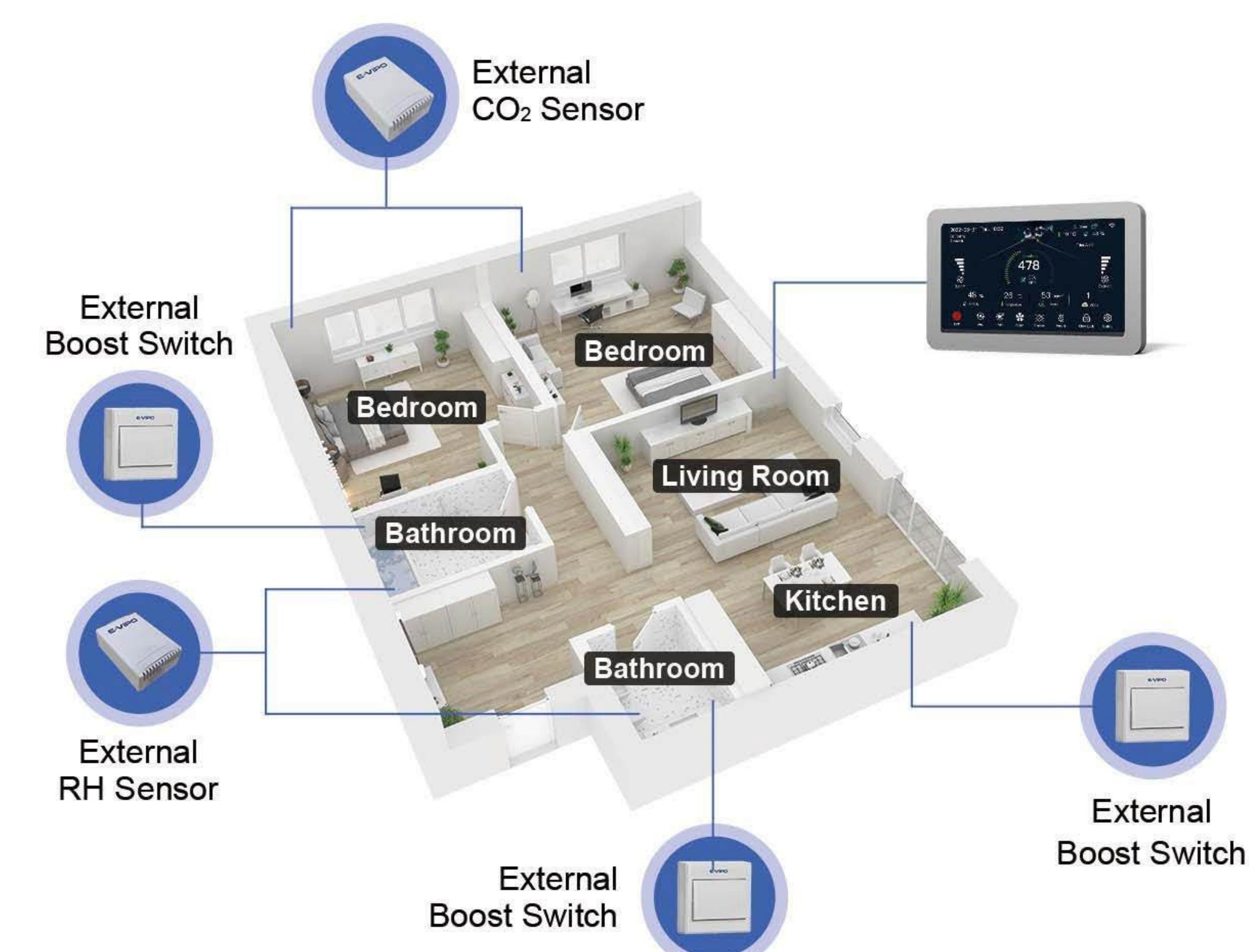
- ✓ 3.5" Display & Touchscreen
- ✓ iOS & Android APP
- ✓ Independent Fan Adjustment
- ✓ Filter Management with Filter Timer & Notification
- ✓ Week Scheduled Operation
- ✓ Boost Ventilation Function



## CONTROL SYSTEM

### TECHNICAL SPECIFICATION

Model	VK8	VK2
Touchscreen	7" HD (Color)	3.5"
Mode	AUTO / Manual / Sleep	Manual
Fan Speeds	5-Speeds	5-Speeds
Bypass Control	AUTO / Manual	Manual
Boost Function	✓	✓
Built-in CO <sub>2</sub> Sensor	✓	—
Built-in TEMP Sensor	✓	✓
Built-in RH Sensor	✓	—
Built-in PM2.5 Sensor	✓	—
Built-in VOCs Sensor	✓	—
Defrosting	✓	✓
WiFi & APP	✓	✓
Timer Control	✓	✓
IAQ Indication	✓	—
Filter Notification	✓	✓
RS485 (Smart Home)	✓	—
Bluetooth	✓	✓
External CO <sub>2</sub> Sensor	× 8 Pcs Max.	—
External RH Sensor	× 8 Pcs Max.	—
External Boost Switch	× 10 Pcs Max.	✓
External Air Damper	✓	✓
External Heater	✓	✓



### VK2 Control System



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## CS FLEX SERIES

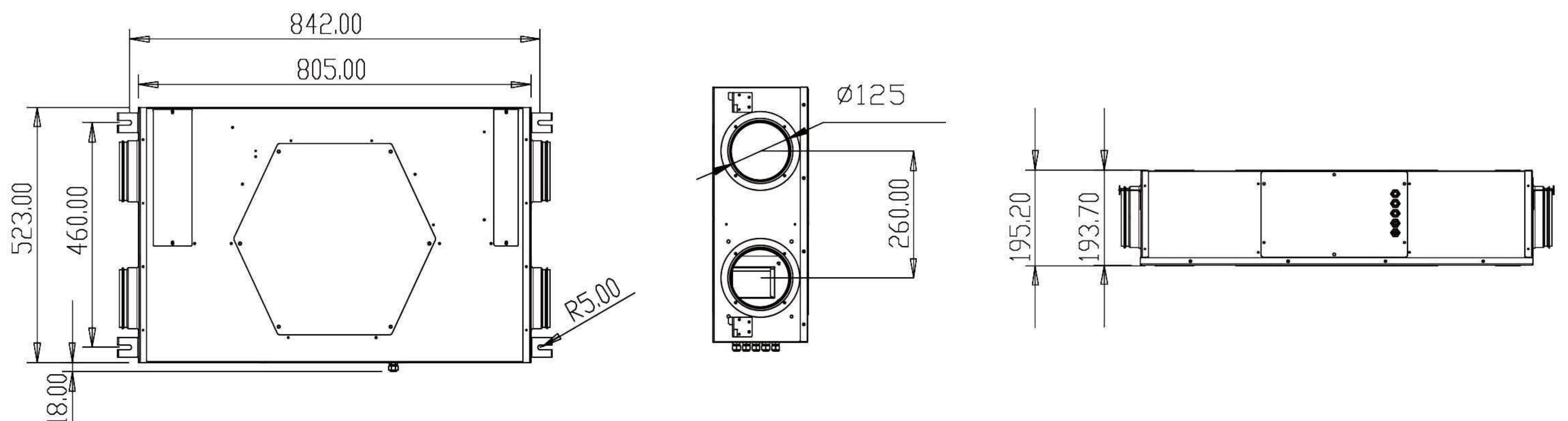
WESTON  
CLIMATE

### TECHNICAL SPECIFICATION

Model	CS100-ERV-B-Z-EC	CS150-ERV-B-Z-EC	CS180-ERV-B-Z-EC
Fan Motor Type	EC	EC	EC
Max. Airflow [m <sup>3</sup> /h]	100 @ 100Pa	150 @ 100Pa	180 @ 100Pa
Rated Max. Power	230V~50Hz, 50W, 0.4A	230V~50Hz, 85W, 0.6A	230V~50Hz, 105W, 0.8A
Power Input Range	200-240V~, 50/60Hz	200-240V~, 50/60Hz	200-240V~, 50/60Hz
Net Weight [kg]	25	25	25
Extract Filter	G4	G4	G4
Supply Filter	G4	G4	G4
Supply Filter	F8 (Optional)	F8 (Optional)	F8 (Optional)
Max. Static Pressure [Pa]	415	454	528
Heat Exchanger Type	Counter-flow	Counter-flow	Counter-flow
Heat Recovery Efficiency [%]	85-96	80-96	77-96
Internal Insulation Material	Polyethylene Foam	Polyethylene Foam	Polyethylene Foam
Case Material	Coated Sheet Steel	Coated Sheet Steel	Coated Sheet Steel
Transferred Air Temperature [°C]	(-25 to +50)	(-25 to +50)	(-25 to +50)
Operating Ambient Temperature [°C]	(+5 to +40)	(+5 to +40)	(+5 to +40)
Operating Ambient Relative Humidity [%]	<80	<80	<80
Connected Air Duct Diameter [mm]	125	125	125

\* A 10% reduction of supply airflow may occur when Supply Filter F8 applied

### OVERALL DIMENSION (mm)



## CS ECO SERIES

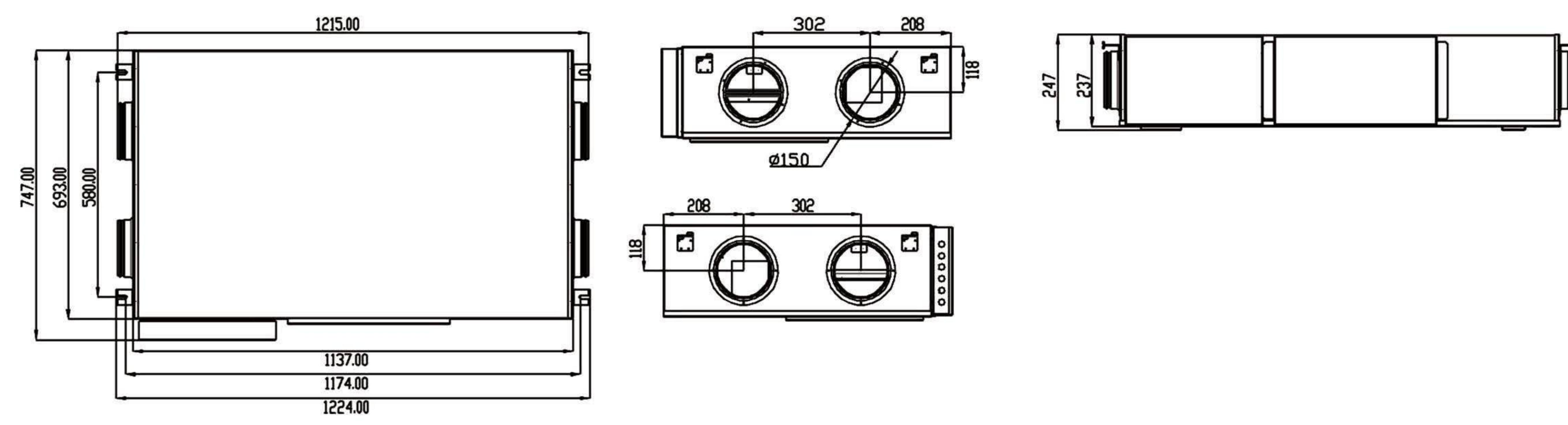
WESTON  
CLIMATE

### TECHNICAL SPECIFICATION

Model	CS200-ERV-B-Z-EC	CS250-ERV-B-Z-EC	CS300-ERV-B-Z-EC
Fan Motor Type	EC	EC	EC
Max. Airflow [m <sup>3</sup> /h]	200 @ 100Pa	250 @ 100Pa	300 @ 100Pa
Rated Max. Power	230V~50Hz, 73W, 0.6A	230V~50Hz, 102W, 0.7A	230V~50Hz, 142W, 1A
Power Input Range	200-240V~, 50/60Hz	200-240V~, 50/60Hz	200-240V~, 50/60Hz
Net Weight [kg]	49.3	49.3	49.3
Extract Filter	G4	G4	G4
Supply Filter	G4	G4	G4
Supply Filter	F8 (Optional)	F8 (Optional)	F8 (Optional)
Max. Static Pressure [Pa]	365	415	410
Heat Exchanger Type	Counter-flow	Counter-flow	Counter-flow
Heat Recovery Efficiency [%]	90-96	87-96	84-96
Internal Insulation Material	Polyethylene Foam	Polyethylene Foam	Polyethylene Foam
Case Material	Coated Sheet Steel	Coated Sheet Steel	Coated Sheet Steel
Transferred Air Temperature [°C]	(-25 to +50)	(-25 to +50)	(-25 to +50)
Operating Ambient Temperature [°C]	(+5 to +40)	(+5 to +40)	(+5 to +40)
Operating Ambient Relative Humidity [%]	<80	<80	<80
Connected Air Duct Diameter [mm]	150	150	150

\* A 10% reduction of supply airflow may occur when Supply Filter F8 applied

### OVERALL DIMENSION (mm)



## CS FIT SERIES

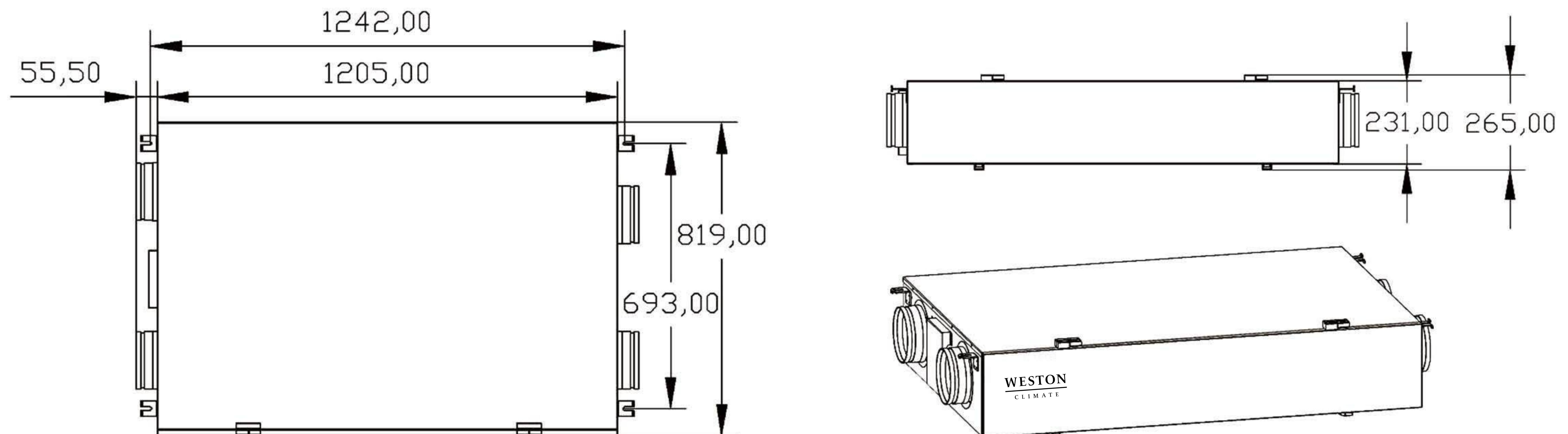
WESTON  
CLIMATE

### ■ TECHNICAL SPECIFICATION

Model	CS350-ERV-B-Z-EC	CS400-ERV-B-Z-EC
Fan Motor Type	EC	EC
Max. Airflow [m <sup>3</sup> /h]	350 @ 100Pa	400 @ 100Pa
Rated Max. Power	230V~50Hz, 160W, 1A	230V~50Hz, 218W, 1.3A
Power Input Range	200-240V~, 50/60Hz	200-240V~, 50/60Hz
Net Weight [kg]	60.3	60.3
Extract Filter	G4	G4
Supply Filter	G4	G4
Supply Filter	F8 (Optional)	F8 (Optional)
Max. Static Pressure [Pa]	585	585
Heat Exchanger Type	Counter-flow	Counter-flow
Heat Recovery Efficiency [%]	84-96	82-96
Internal Insulation Material	Polyethylene Foam	Polyethylene Foam
Case Material	Coated Sheet Steel	Coated Sheet Steel
Transferred Air Temperature [°C]	(-25 to +50)	(-25 to +50)
Operating Ambient Temperature [°C]	(+5 to +40)	(+5 to +40)
Operating Ambient Relative Humidity [%]	<80	<80
Connected Air Duct Diameter [mm]	150	150

\* A 10% reduction of supply airflow may occur when Supply Filter F8 applied

### ■ OVERALL DIMENSION (mm)



## CS EVO SERIES

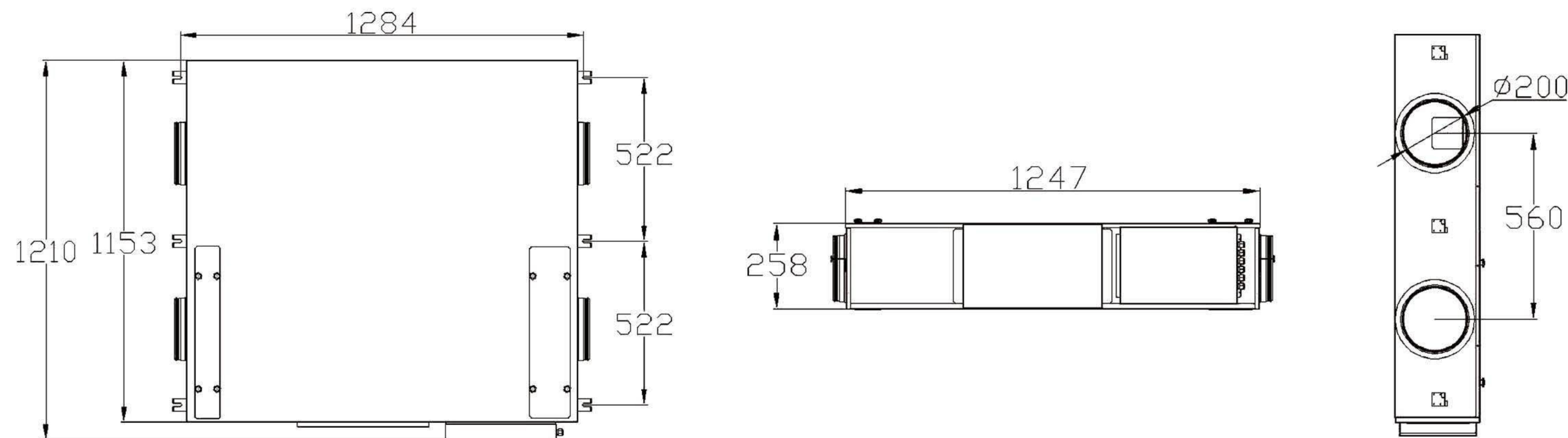
WESTON  
CLIMATE

### ■ TECHNICAL SPECIFICATION

Model	CS450-ERV-B-Z-EC	CS500-ERV-B-Z-EC	CS550-ERV-B-Z-EC
Fan Motor Type	EC	EC	EC
Max. Airflow [m <sup>3</sup> /h]	450 @ 100Pa	500 @ 100Pa	550 @ 100Pa
Rated Max. Power	230V~50Hz, 235W, 1.6A	230V~50Hz, 310W, 2A	230V~50Hz, 370W, 2.4A
Power Input Range	200-240V~, 50/60Hz	200-240V~, 50/60Hz	200-240V~, 50/60Hz
Net Weight [kg]	77	77	77
Extract Filter	G4	G4	G4
Supply Filter	G4	G4	G4
Supply Filter	F8 (Optional)	F8 (Optional)	F8 (Optional)
Max. Static Pressure [Pa]	570	570	570
Heat Exchanger Type	Counter-flow	Counter-flow	Counter-flow
Heat Recovery Efficiency [%]	87-96	84-96	80-96
Internal Insulation Material	Polyethylene Foam	Polyethylene Foam	Polyethylene Foam
Case Material	Coated Sheet Steel	Coated Sheet Steel	Coated Sheet Steel
Transferred Air Temperature [°C]	(-25 to +50)	(-25 to +50)	(-25 to +50)
Operating Ambient Temperature [°C]	(+5 to +40)	(+5 to +40)	(+5 to +40)
Operating Ambient Relative Humidity [%]	<80	<80	<80
Connected Air Duct Diameter [mm]	200	200	200

\* A 10% reduction of supply airflow may occur when Supply Filter F8 applied

### ■ OVERALL DIMENSION (mm)

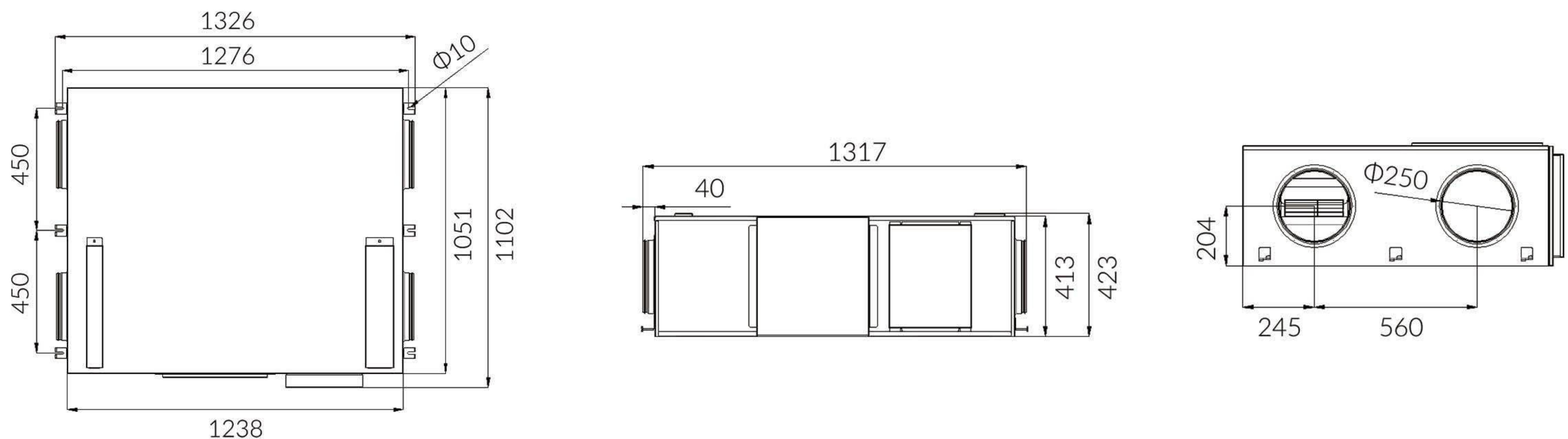


## ■ TECHNICAL SPECIFICATION

Model	CS600-ERV-B-Z-EC	CS700-ERV-B-Z-EC	CS800-ERV-B-Z-EC
Fan Motor Type	EC	EC	EC
Max. Airflow [m <sup>3</sup> /h]	600 @ 100Pa	700 @ 100Pa	800 @ 100Pa
Rated Max. Power	230V~50Hz, 340W, 2.4A	230V~50Hz, 425W, 3A	230V~50Hz, 445W, 3.1A
Power Input Range	200-240V~, 50/60Hz	200-240V~, 50/60Hz	200-240V~, 50/60Hz
Net Weight [kg]	92.5	92.5	92.5
Extract Filter	G4	G4	G4
Supply Filter	G4	G4	G4
Supply Filter	F8 (Optional)	F8 (Optional)	F8 (Optional)
Max. Static Pressure [Pa]	303	370	418
Heat Exchanger Type	Counter-flow	Counter-flow	Counter-flow
Heat Recovery Efficiency [%]	81-92	80-92	78-92
Internal Insulation Material	Polyethylene Foam	Polyethylene Foam	Polyethylene Foam
Case Material	Coated Sheet Steel	Coated Sheet Steel	Coated Sheet Steel
Transferred Air Temperature [°C]	(-25 to +50)	(-25 to +50)	(-25 to +50)
Operating Ambient Temperature [°C]	(+5 to +40)	(+5 to +40)	(+5 to +40)
Operating Ambient Relative Humidity [%]	<80	<80	<80
Connected Air Duct Diameter [mm]	250	250	250

\* A 10% reduction of supply airflow may occur when Supply Filter F8 applied

## ■ OVERALL DIMENSION (mm)

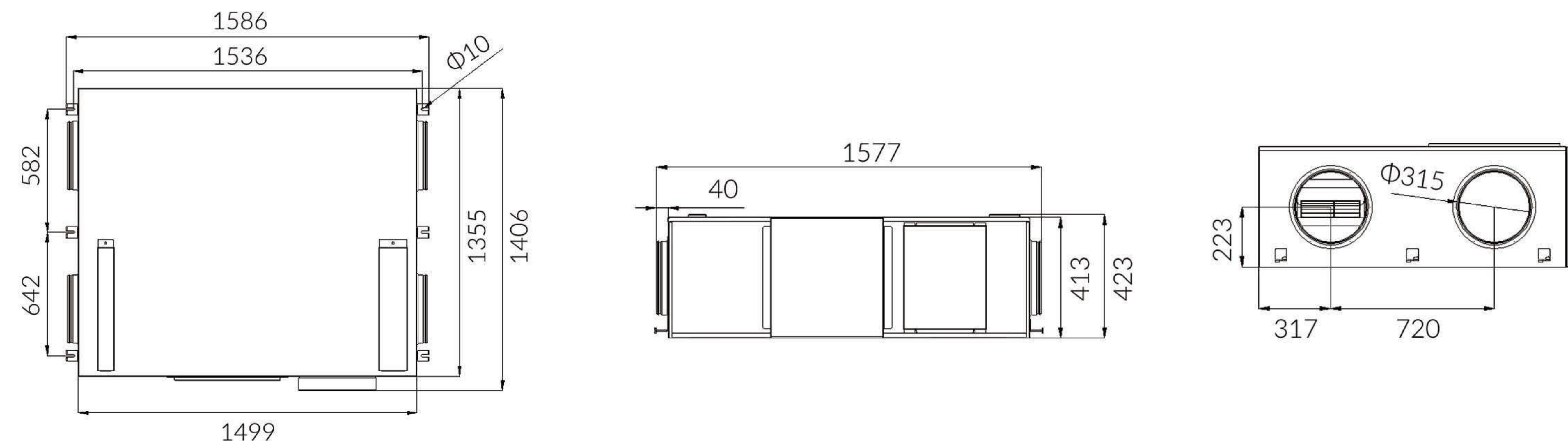


## ■ TECHNICAL SPECIFICATION

Model	CS900-ERV-B-Z-EC	CS1000-ERV-B-Z-EC	CS1200-ERV-B-Z-EC
Fan Motor Type	EC	EC	EC
Max. Airflow [m <sup>3</sup> /h]	900 @ 100Pa	1000 @ 100Pa	1200 @ 100Pa
Rated Max. Power	230V~50Hz, 395W, 2.5A	230V~50Hz, 455W, 2.9A	230V~50Hz, 535W, 3.3A
Power Input Range	200-240V~, 50/60Hz	200-240V~, 50/60Hz	200-240V~, 50/60Hz
Net Weight [kg]	149.2	149.2	149.2
Extract Filter	G4	G4	G4
Supply Filter	G4	G4	G4
Supply Filter	F8 (Optional)	F8 (Optional)	F8 (Optional)
Max. Static Pressure [Pa]	358	388	492
Heat Exchanger Type	Counter-flow	Counter-flow	Counter-flow
Heat Recovery Efficiency [%]	80-92	79-92	75-92
Internal Insulation Material	Polyethylene Foam	Polyethylene Foam	Polyethylene Foam
Case Material	Coated Sheet Steel	Coated Sheet Steel	Coated Sheet Steel
Transferred Air Temperature [°C]	(-25 to +50)	(-25 to +50)	(-25 to +50)
Operating Ambient Temperature [°C]	(+5 to +40)	(+5 to +40)	(+5 to +40)
Operating Ambient Relative Humidity [%]	<80	<80	<80
Connected Air Duct Diameter [mm]	315	315	315

\* A 10% reduction of supply airflow may occur when Supply Filter F8 applied

## ■ OVERALL DIMENSION (mm)

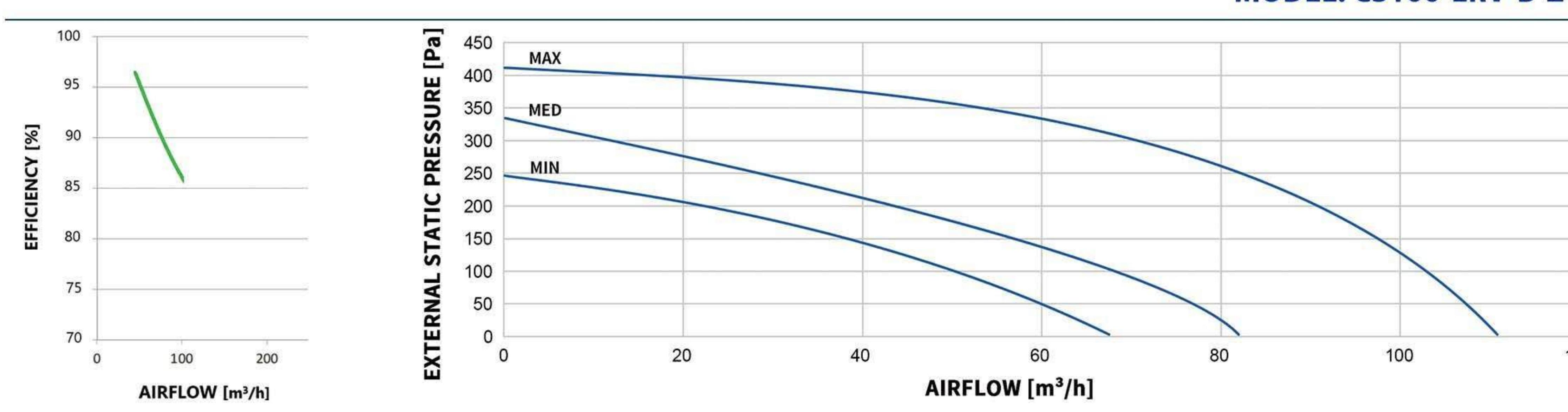


# CS SERIES CURVE

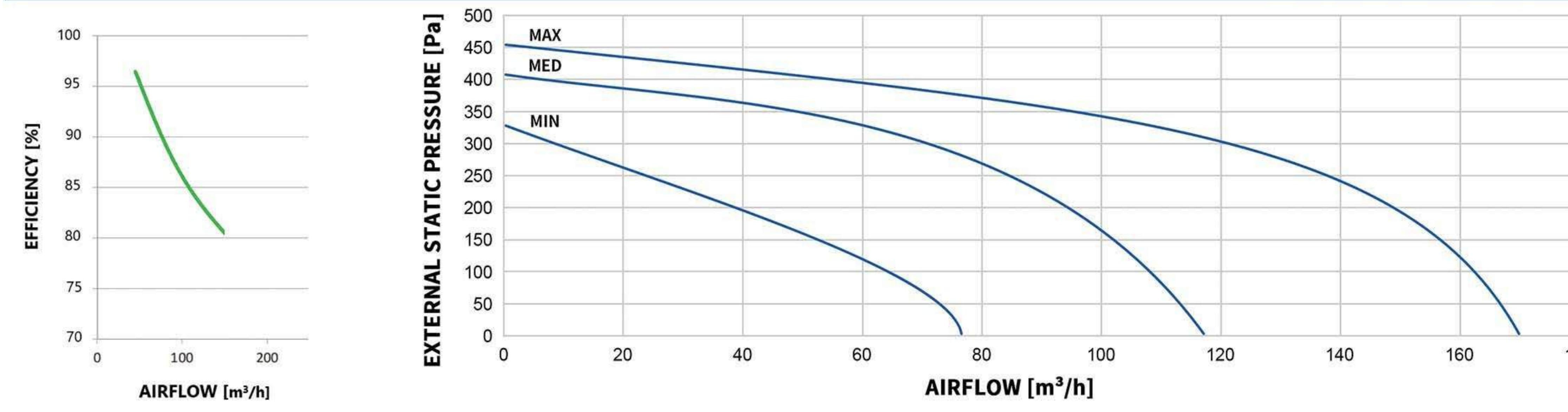
WESTON  
CLIMATE

HEAT RECOVERY  
EFFICIENCY  
RESPONSE  
AGE

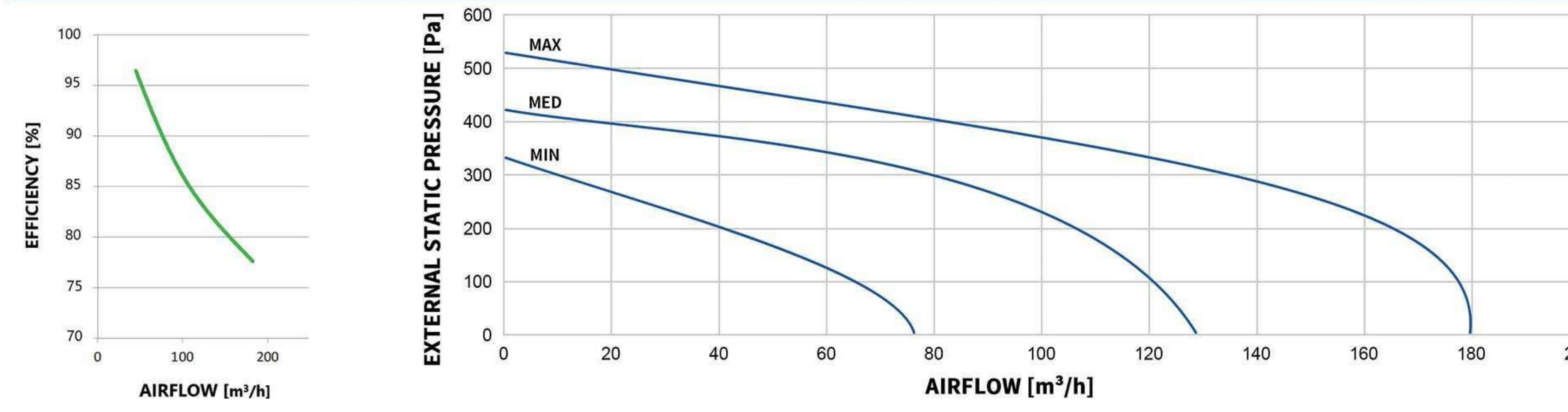
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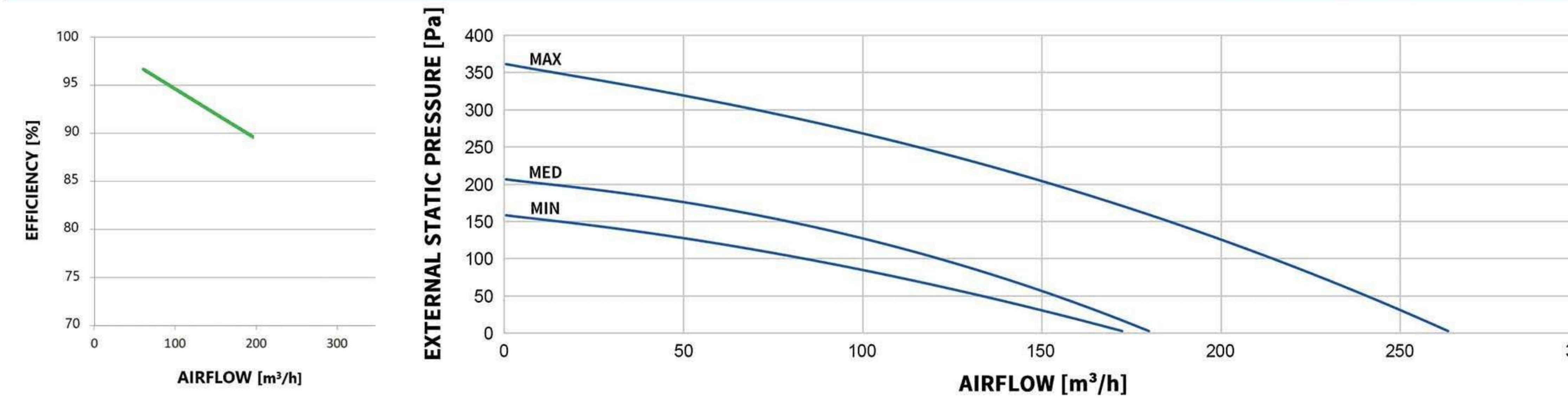
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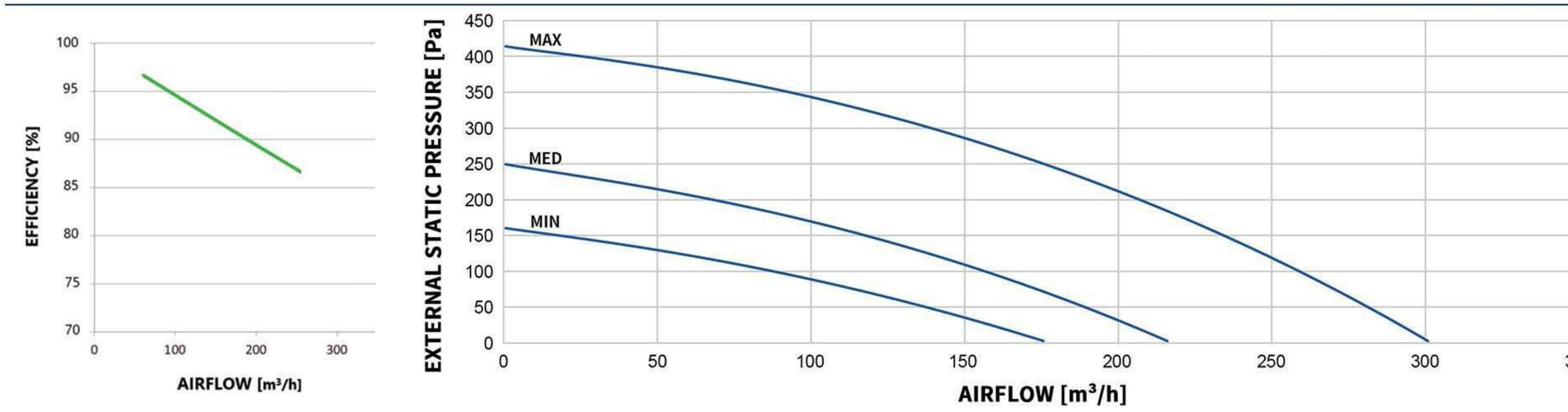
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MODEL: CS200-ERV-B-Z-EC



MODEL: CS250-ERV-B-Z-EC

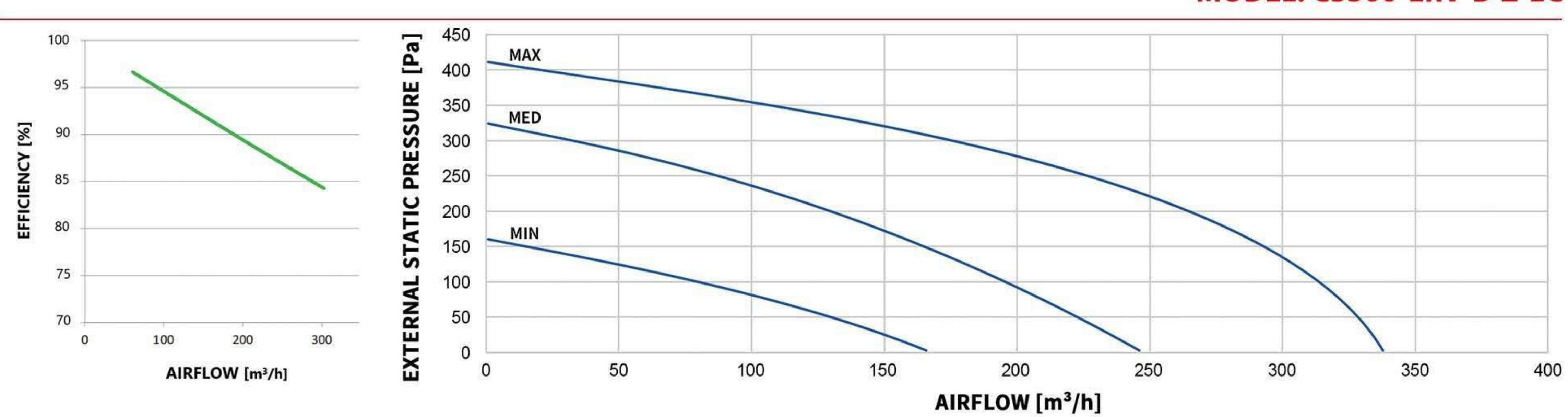


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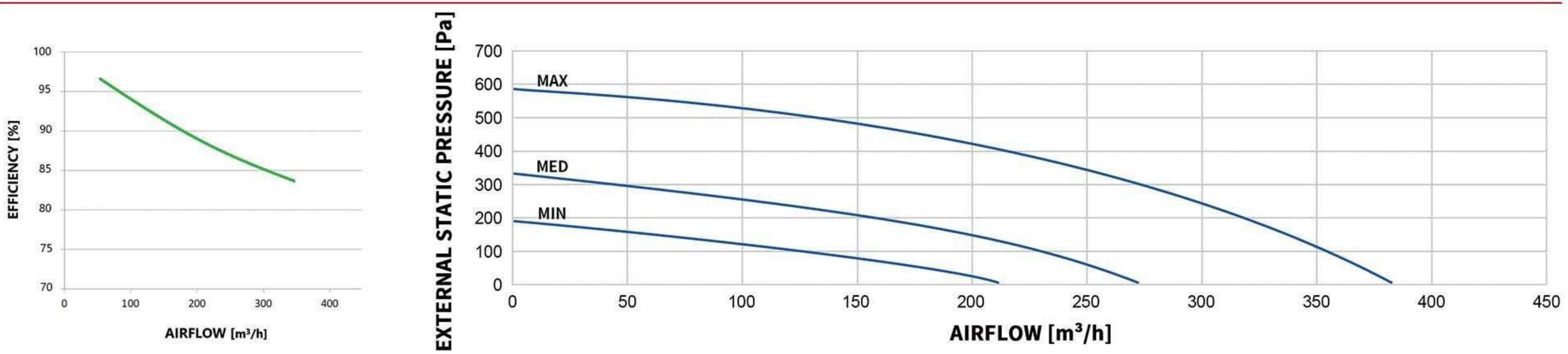
WESTON  
CLIMATE

HEAT RECOVERY  
EFFICIENCY  
RESPONSE  
AGE

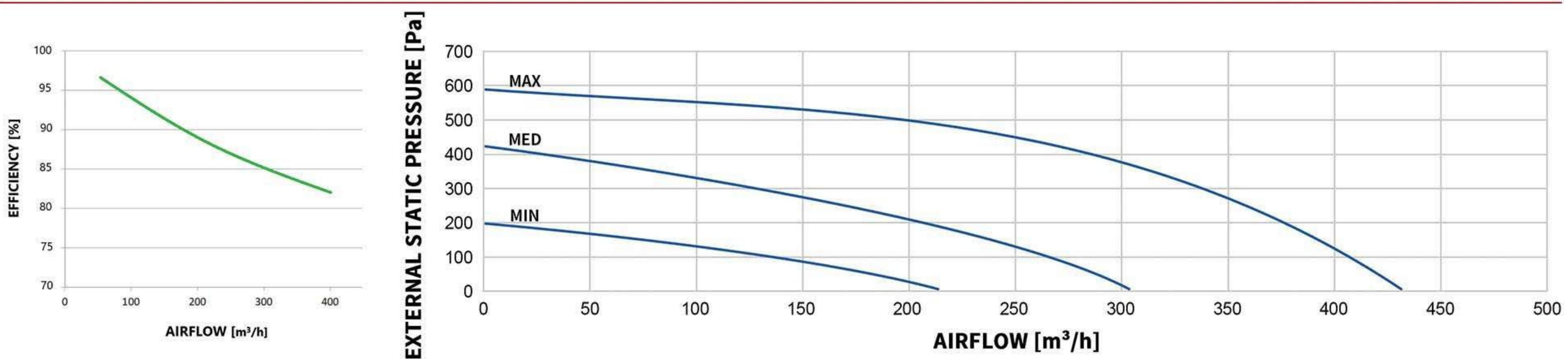
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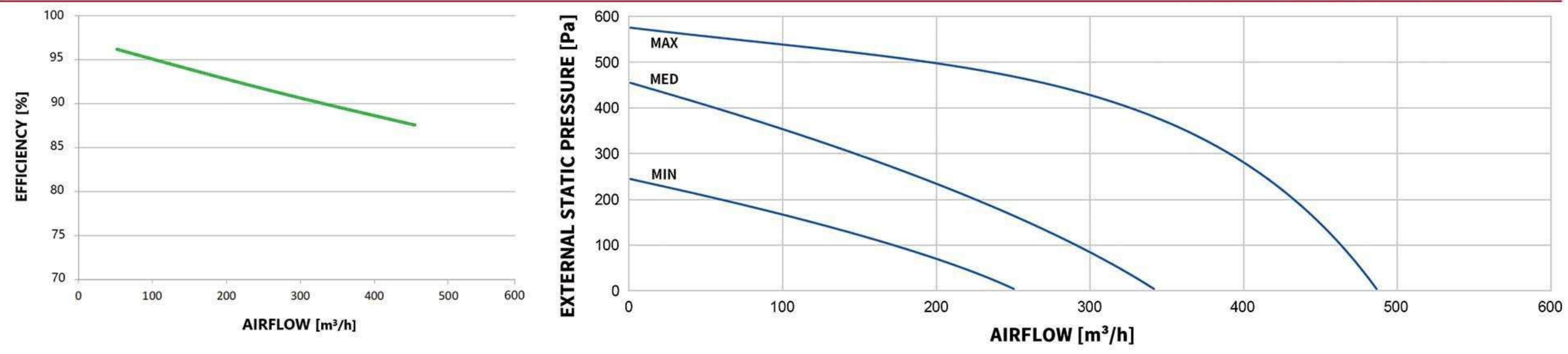
MODEL: CS350-ERV-B-Z-EC



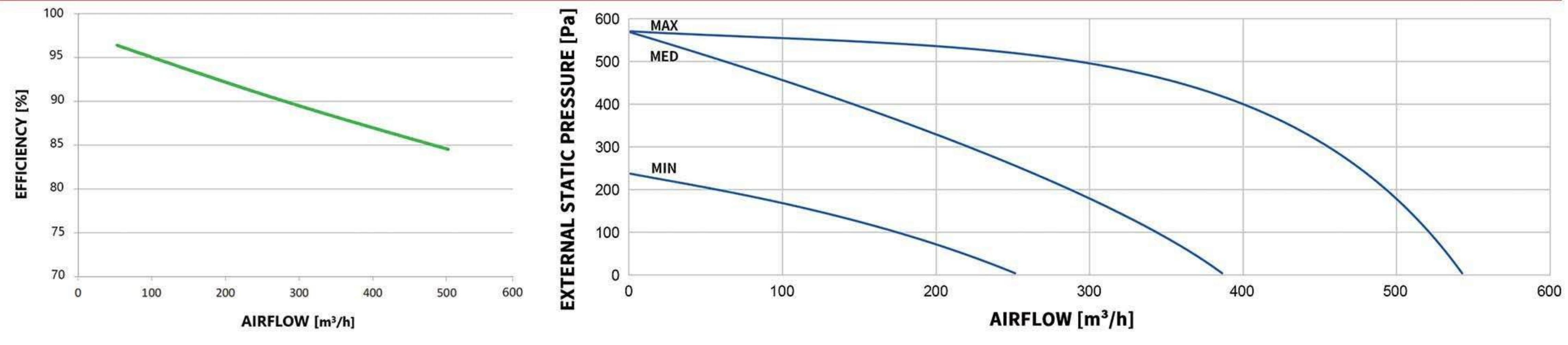
MODEL: CS400-ERV-B-Z-EC



MODEL: CS450-ERV-B-Z-EC



MODEL: CS500-ERV-B-Z-EC

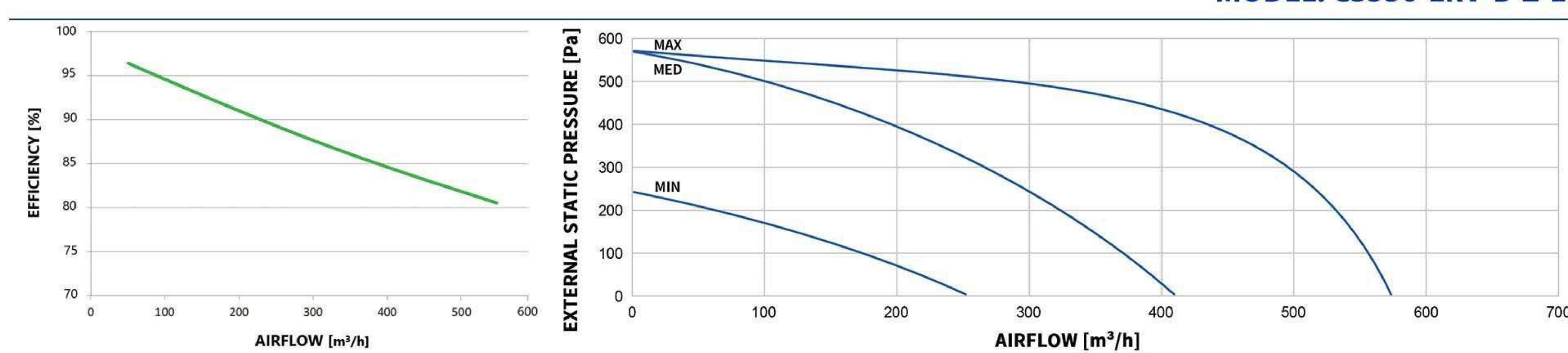


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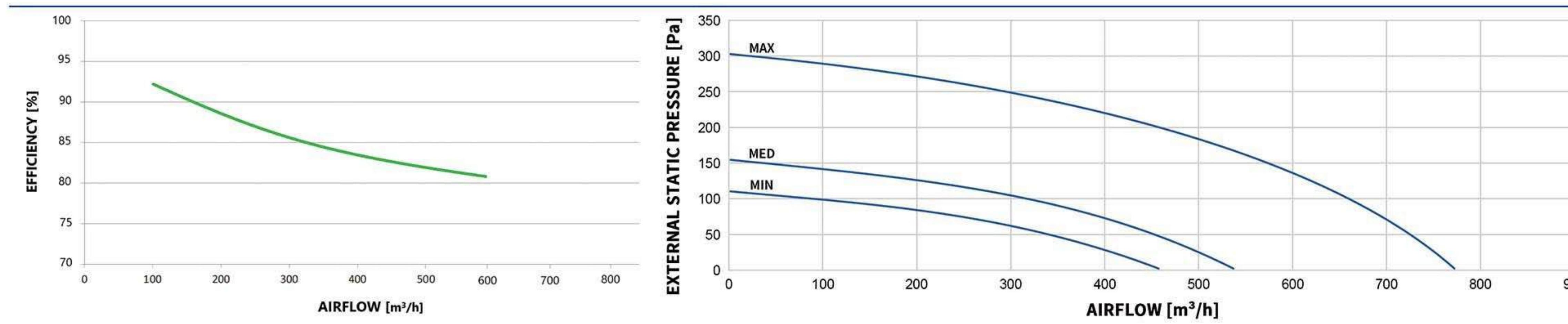
HEAT RECOVERY  
EFFICIENCY

WESTON  
CLIMATE

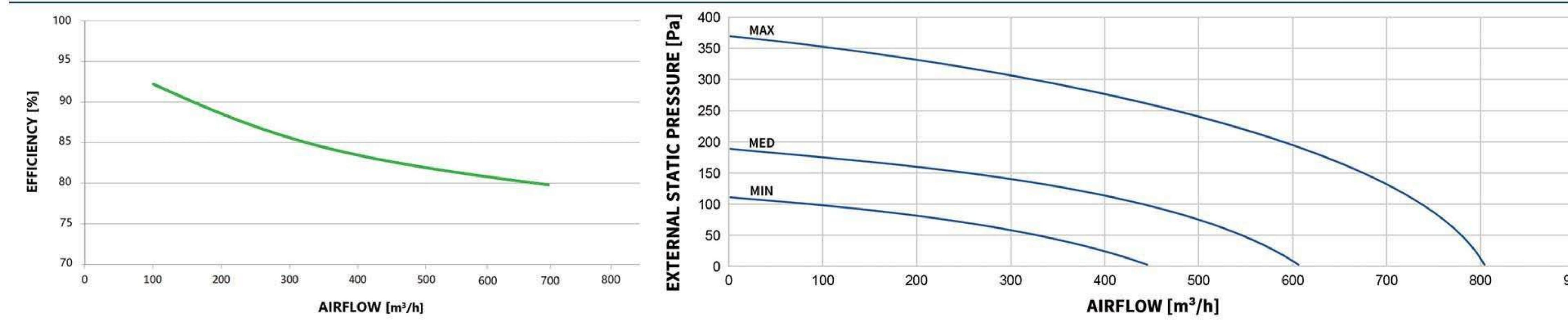
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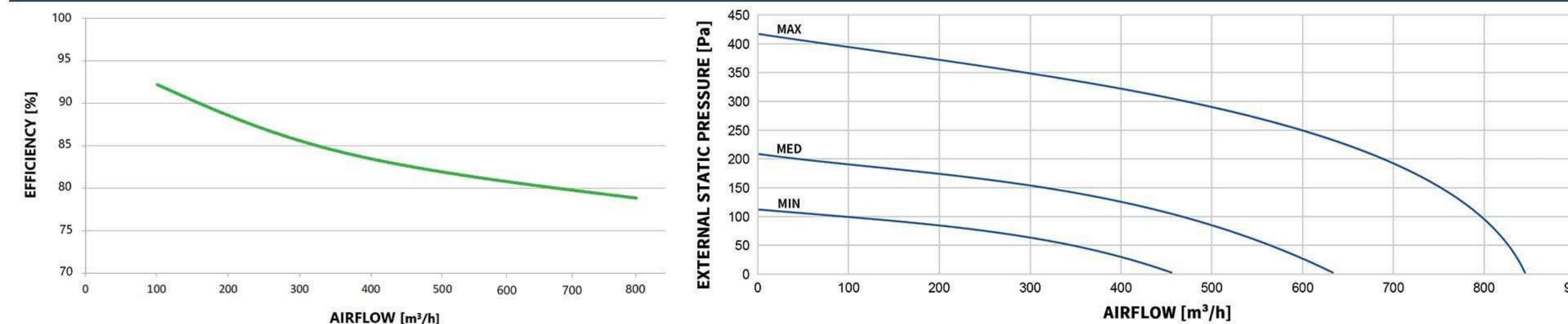
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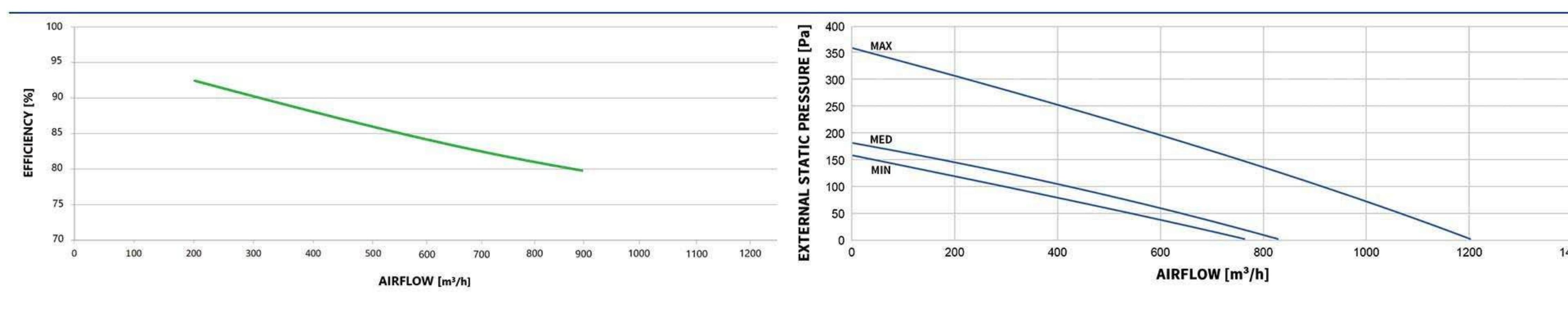
MODEL: CS700-ERV-B-Z-EC



MODEL: CS800-ERV-B-Z-EC



MODEL: CS900-ERV-B-Z-EC

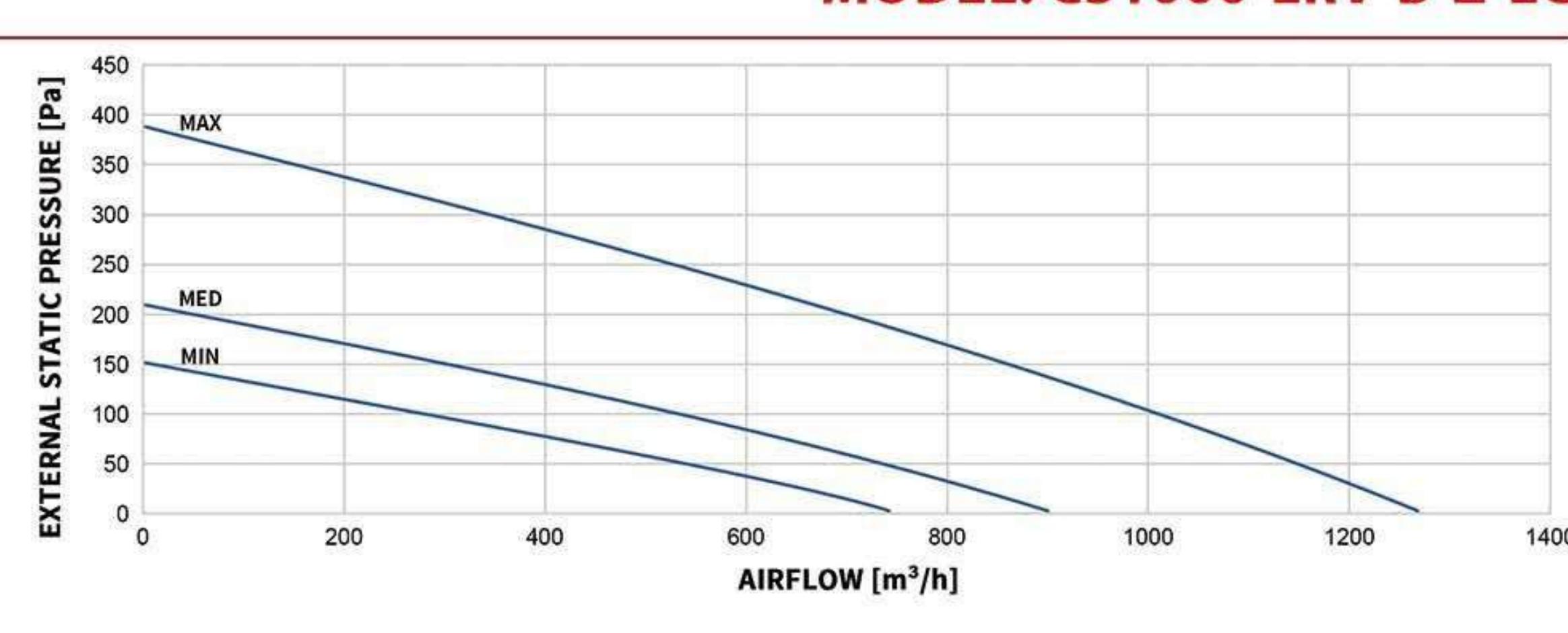


## CS SERIES CURVE

HEAT RECOVERY  
EFFICIENCY

WESTON  
CLIMATE

MODEL: CS1000-ERV-B-Z-EC



MODEL: CS1200-ERV-B-Z-EC

