Ventara
SYSTEMS

MODERN VENTILATION SOLUTIONS



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Welcome to Ventara

A modern ventilation manufacturer combining engineering expertise, dependable supply and responsive technical support to help customers deliver successful projects

Ventara are a specialist ventilation brand focused on delivering high-quality air movement and indoor climate solutions for commercial, industrial and residential applications.

Built on decades of industry experience, Ventara products are developed with a simple philosophy: provide dependable performance, practical installation, and exceptional value without compromise. Our range is designed to meet the demands of modern ventilation projects, combining proven engineering with reliable availability and responsive customer support.

We understand that contractors, consultants, distributors and end users require products they can trust. That's why every Ventara product is selected and developed with a focus on quality, efficiency, compliance and long-term reliability.

From fans and ventilation units to air distribution products and system accessories, Ventara offers solutions designed to perform in the real world—whether serving homes, schools, offices, retail environments or industrial facilities.

At Ventara, we believe successful ventilation is about more than just moving air.

It is about creating healthier, safer and more comfortable environments while providing our customers with the confidence that comes from dependable products and professional support.





Air+ CO_2 / Air+ Humidity

Single Room Energy Recovery Ventilator



Outdoor Temperature Sensor

Free cooling temperature setting. When the outdoor air is comfortable, it will work in supply mode to introduce fresh air without heat recovery, it's called free cooling. Users can set the outdoor temperature to enable this function.

Humidity Sensor Control (Optional)

Under regeneration mode, when the indoor humidity level exceeds the set value, the unit will be switched to Exhaust mode to extract the indoor air for reducing the indoor humidity,The unit returns to the previous operation mode when the indoor humidity <set humidity-5%, humidity setting range: 40-95%.

CO_2 Sensor Control (Optional)

When the CO_2 sensor is connected, if the indoor CO_2 concentration exceeds the set value while the unit is operating in regeneration mode, the unit will enter the supply mode to introduce fresh air to dilute the CO_2 concentration until the CO_2 concentration is lower than the set value. The unit then returns to the previous mode. It can be set from 400 to 2,000 ppm.

Wi-Fi Function

- ON/OFF Switch
- Fan Speed Selection
- Working Mode Selection
- Pairing Status
- Outdoor Temperature Display
- Filter Alarm
- Free Cooling Function
- CO_2 Concentration Control
- 12-Hour Timer Setting
- Optional Negative Ion Function
- Indicator Lights ON/OFF
- Weekly Schedule
- Fan Boost Function
- Multiple Linkage Control
- Smart Control Based on Local Weather
- Optional Humidity Control



The app is available on the App Store and Google Play.
Work with Alexa and Google Assistant.

JUST ASK amazon alexa

works with Hey Google

Powered By tuya Intelligence Inside

Elegant Decorative Front Panel

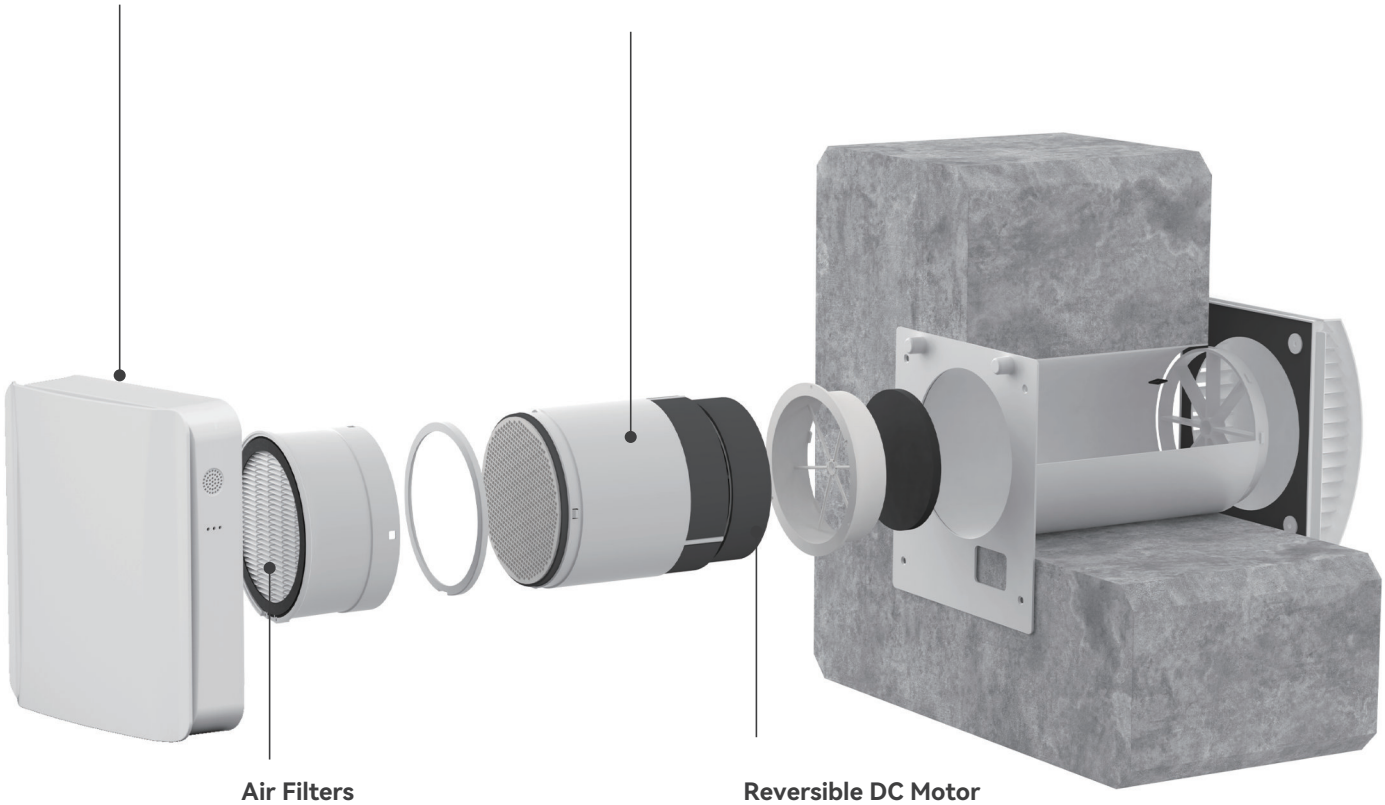
The specially designed indoor unit can be magnetically connected to ensure maximum air tightness and protection against wind.

Built-in auto shutter prevents air back draught.

Ceramic Energy Regenerator

The high-tech ceramic energy accumulator with a regeneration efficiency of up to 97% ensures heat recovery from the exhaust air to heat or cool the supply air flow. Due to its cellular structure, the unique regenerator has a large air contact surface and high heat conducting and accumulating properties.

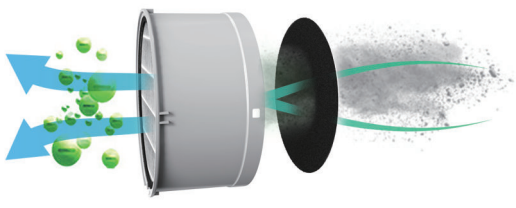
The ceramic regenerator is treated with an antibacterial composition to prevent bacterial growth inside.



Air Filters

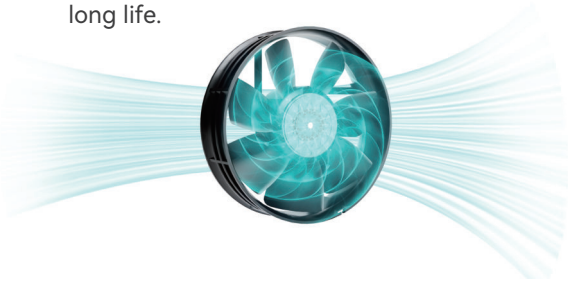
Two integrated air pre-filters and a F7 air filter are fitted as standard to provide supply and extract air filtration. The filters prevent the ingress of dust and insects into the supply air and contamination of the fan parts. The filters are also antibacterially treated.

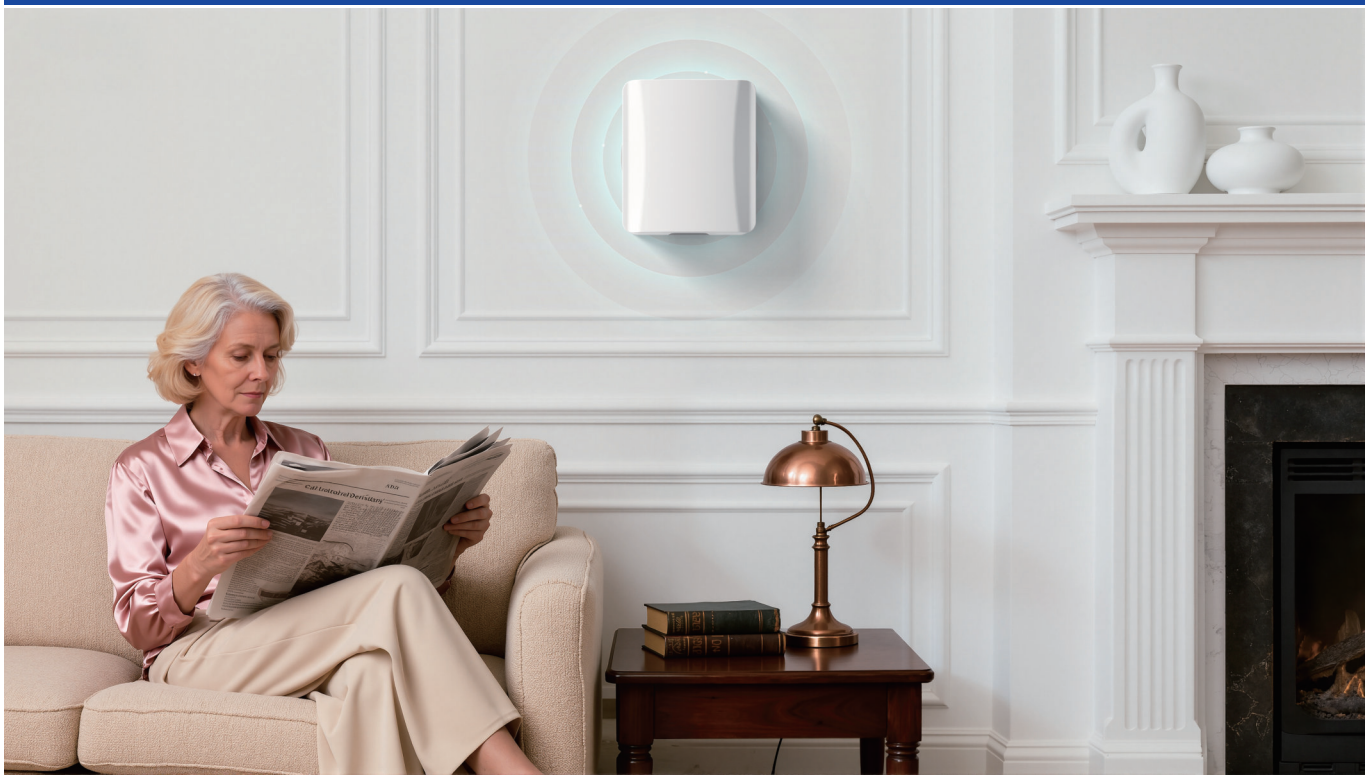
The filters are cleaned with a vacuum cleaner or by flushing with water. The antibacterial solution will not be removed.



Reversible DC Motor

The reversible axial fan is with DC technology. The fan is characterised by low power consumption and silent operation. The fan motor has built-in thermal protection and ball bearings for long life.





TECHNICAL CHARACTERISTICS

Model	Air+ CO_2 / Air+ Humidity		
Voltage	100V~240V AC /50-60Hz		
Power (W)	6	7	7.8
Current (A)	0.04	0.05	0.06
Air Flow in Supply/Exhaust Mode (with F7 Filter) (m^3/hr)	20	40	50
Air Flow in Supply/Exhaust Mode (with F7 Filter) (l/s)	5.56	11.11	13.89
Max Air Flow (Fan Boost Mode) (m^3/hr)	60		
Max Air Flow (Fan Boost Mode) (l/s)	16.67		
Sound Pressure Level dB(A)	32		
Regeneration Efficiency	Up to 97%		
SEC	Class A		
Ingress Protection Rating	IPX4		
Max RPM	2200		
Duct Diameter (mm)	158		
Product Dimensions (mm)	239.6×258×499.7 (The length of duct in wall is 280-470 mm)		
Net Weight (kg)	4.2		



Air+ Humidity Wifi(R)

Single Room Energy Recovery Ventilator



Invisible Installation

Ultra-slim body can be fully embedded into the wall — no ductwork, no renovation mess, no impact on your interior design.

Light-Sensing Sleep Mode

Built-in light sensor detects ambient brightness and auto-switches to sleep mode when the room goes dark - zero-touch energy saving..

Low Power Operation of 4.5 W

The unit consumes only 4.5 W, achieving the energy efficiency SEC class of A+ according to EU Regulation No 1254/2014.

MODEL FEATURES

- **Compact & slim design (embedded installation)**
- **Reversible fan with low energy consumption**
- **Auto shutter**
- **Installation can be done internally**
- **F7 (EN 779) / MERV 13 (ASHRAE 52.2) filter**
- **Silent operation**
- **Light sensing function**
- **Humidity control**
- **Wireless pairing**
- **Wi-Fi and IoT networking**



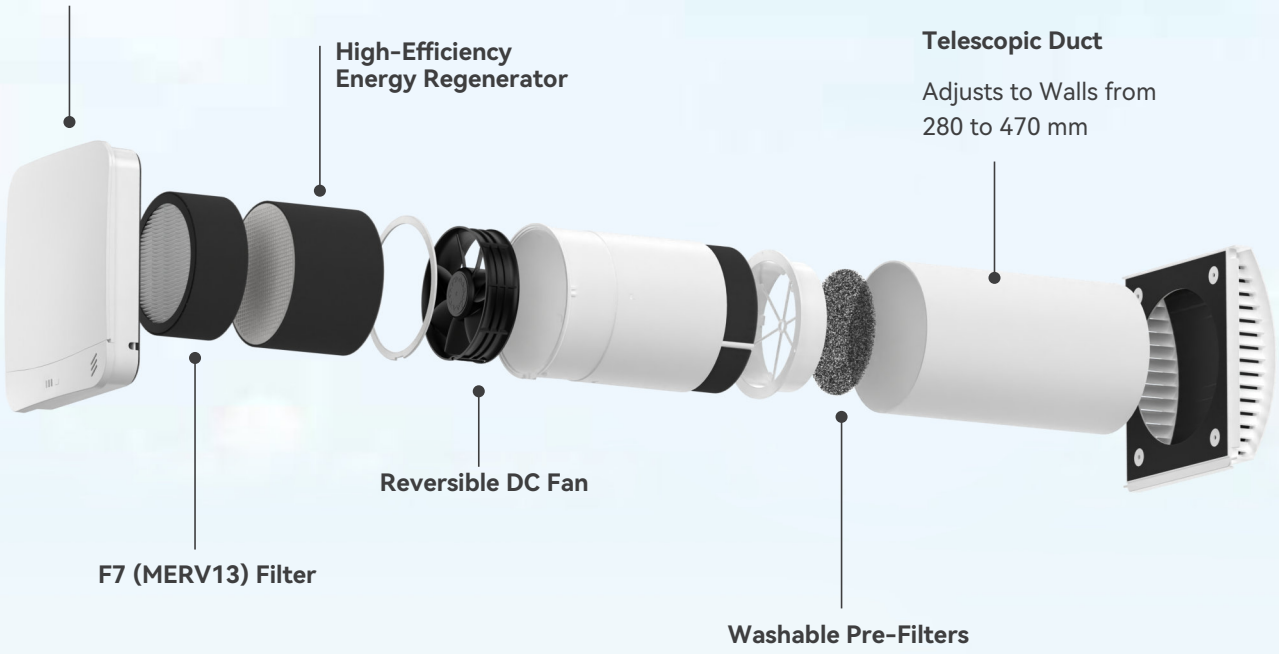
Wall-mounted installation



Embedded installation

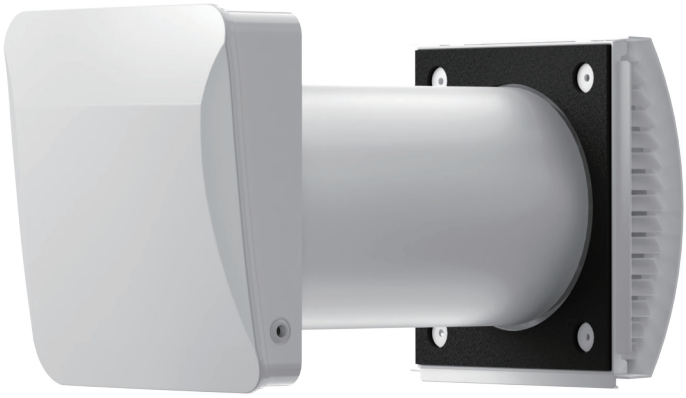
Main Panel

Auto shutter can prevent the insects entering and the cold air flowing backward when the unit stops. It's top air outlet for uniform air supply.



TECHNICAL CHARACTERISTICS

Model	Air+ Humidity Wifi (R)		
Voltage	100V~240V AC /50-60Hz		
Power (W)	2.3	3.5	4.5
Airflow (L/M/H) (m^3/hr)	20	40	50
Airflow (L/M/H) (l/s)	5.56	11.11	13.89
Sound Pressure Level dB(A)	18.9	25.2	28.7
Regeneration Efficiency	Up to 97%		
SEC	A+		
Max RPM	2200		
Duct Diameter (mm)	158		
Product Dimensions (mm)	220.5×247.2×468.2 (The length of duct in wall is 280-470 mm)		
Net Weight (kg)	3.9		



Air Humidity / Air Humidity Wi-Fi

Single Room Energy Recovery Ventilator



Elegant Decorative Front Panel

Designed to disappear into the room, the front panel features a smooth, modern surface that looks more like a design element than a device, a quiet upgrade to any wall.

Auto Shutter

Discreetly built into the design, the auto shutter closes gently when the unit stops, keeping out dust, insects, and cold drafts, while maintaining a clean, uninterrupted appearance.

High-Efficiency Energy Regenerator

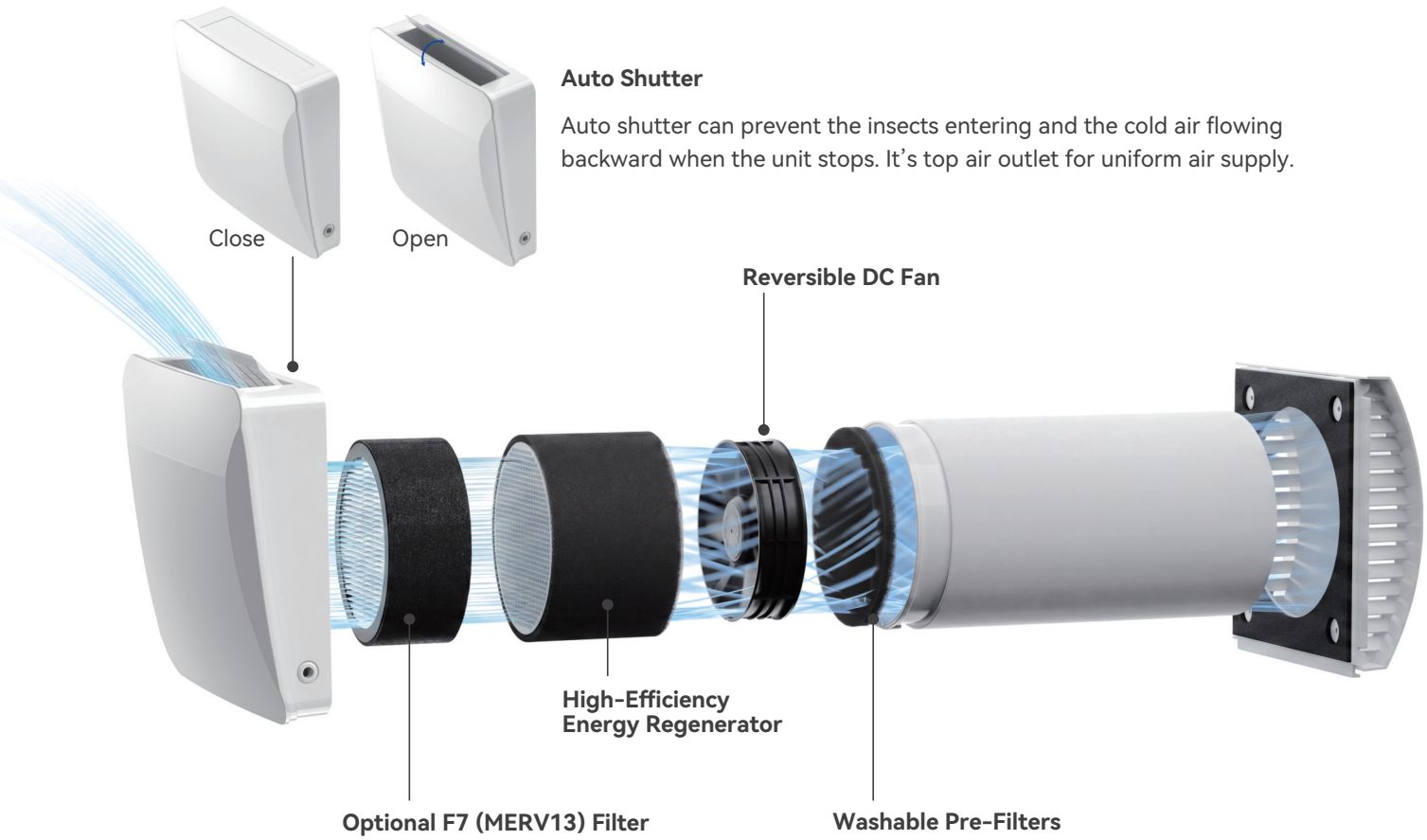
Engineered with a ceramic core treated for hygiene, the regenerator recovers up to 97% of thermal energy, with options for honeycomb or ball regenerator that balance performance, purity, and comfort.

MODEL DESCRIPTIONS

Model	Functions		
	Humidity Control	WiFi Function	Pairing Operation
Air Humidity	✔	✖	✖
Air Humidity Wi-Fi	✔	✔	✔

- **One-Hole Wall Installation**
  Compact, fast, and space-saving setup.
- **Quiet DC Motor**
  3-speed reversible fan.
- **Advanced Filtration**
  Optional F7 (MERV13) filter and washable pre-filters.
- **Flexible Operation Modes**
  Standalone or optional multi-unit synchronized use.
- **Multiple Control Options**
  Remote and optional mobile app (iOS/Android).





Auto Shutter

Auto shutter can prevent the insects entering and the cold air flowing backward when the unit stops. It's top air outlet for uniform air supply.

TECHNICAL CHARACTERISTICS

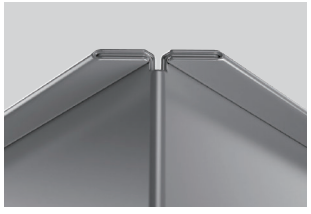
Model	Air Humidity / Air Humidity Wi-Fi		
Voltage	100V~240V AC /50-60Hz		
Power (W)	4.7	5.6	6.5
Airflow (L/M/H) (m^3/hr)	30	50	60
Airflow (L/M/H) (l/s)	8.33	13.89	16.67
Sound Pressure Level dB(A)	18.9	25.2	28.7
Regeneration Efficiency	Up to 97%		
SEC	A+		
Max RPM	2200		
Duct Diameter (mm)	158		
Product Dimensions (mm)	230×243×499.7 (The length of duct in wall is 280-470 mm)		
Net Weight (kg)	3.9		



Breathe 150 - 1000

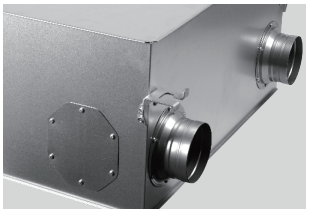
Ceiling Mounted Energy Recovery Ventilator

- Wide airflow range among 150-1,000 m^3/hr.
- Plastic encapsulated DC motor, 10 speeds.
- Supply air purification with primary filter (G3) and medium filter (F7) optional.
- Occlusal edge sealing technology.
- High efficiency 5th generation total heat exchanger.
- Reserved side ports for OA and EA, flexible installation.
- Auto bypass.
- Two types of installation suitable for different rooms.
- A smarter control system Android/ IOS.
- Energy efficiency class of A+ or A according to EU NO. 1253/2014.



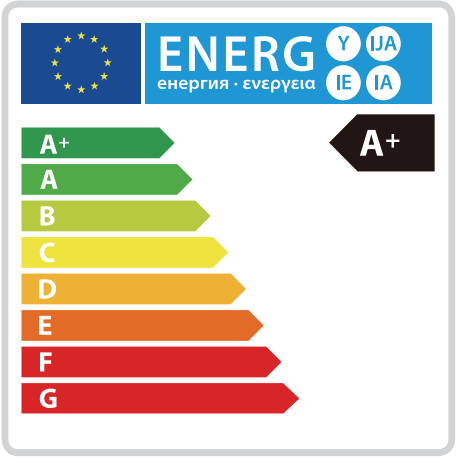
Occlusal Edge Sealing Technology

Triple folded edge thickness improving casing strength. Higher production efficiency. Good appearance and air tightness.



Flexible Installation

Parallel airflow. Available with inverted installation. Reserved side ports for OA and EA.



INTELLIGENT CONTROL



Auto Run Mode
The unit runs automatically according to the timer setting. When the auto bypass function is ON, the unit runs in heat exchange mode or bypass mode depending on the outdoor air temperature.

Sleep Mode
In sleep mode, the machine runs at the lowest speed and the backlight is OFF.

Heat Recovery Mode
In this mode, the energy in the exhaust air can be recovered for heating (in winter) or cooling (in summer) of the fresh air, reducing energy loss.

Bypass Mode
When the outside air is comfortable, fresh air can be supplied directly into the room without heat exchange, and exhaust air can be exhausted outdoors simultaneously to improve indoor air quality.

Temperature Correction
Display and correct temperature for OA, RA and SA. They also included in Smart Mode.

Low-temperature Operation
Running at below -5°C with Smart mode can effectively avoid frosting. Unit can also run intermittently if below -15°C.

Advanced Sleep Function
Display will be OFF at certain time and unit running at lowest speed. And at the same time, run bypass automatically based on setting.

Intelligent Airflow Compensation
If running without cleaning filter and heat exchanger, system will compensate volume automatically.

Reserved Port

Reserved side ports for OA and EA, flexible installation.

Auto Bypass

When the outside air is comfortable, fresh air can be supplied directly into the room without heat exchange, and exhaust air can be exhausted out the room simultaneously to improve indoor air quality.





Integrated Filter Grid

Reserved track integrated with primary filter, medium F7 filter is optional.

Total Heat Exchanger Made by ER Paper

High Thermal Efficiency | Superior Moisture Transfer | Airflow Separation | Ultra-Low CO_2 Permeability.

TECHNICAL CHARACTERISTICS

Model	Rated Airflow (m^3/hr)	Rated Airflow (l/s)	External Pressure (Pa)	Enthalpy Efficiency (%)		Temperature Efficiency (%)	Noise dB(A)	Voltage (V)	Input Power (W)	N.W. (kg)
				Cooling	Heating					
Breathe 150	150	41.67	95	71-79	73-79	80-84	29	220-240	58	20
Breathe 250	250	69.44	85	68-83	70-83	79-86	28	220-240	62	23
Breathe 350	350	97.22	160	71-82	72-84	80-89	32	220-240	140	30
Breathe 500	500	138.89	120	67-82	69-83	78-87	34	220-240	165	33
Breathe 650	650	180.56	120	66-81	69-82	77-86	35	220-240	252	38
Breathe 800	800	222.22	150	70-81	71-82	79-85	35	220-240	335	48
Breathe 1000	1,000	277.78	170	71-86	73-87	80-90	37	220-240	420	54

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Nationwide delivery available across the UK and Ireland. Send our friendly sales team an email for assistance with your ventilation project.

Email: sales@ventarasystems.co.uk

