

2 YEARS
WARRANTY

FRESHPOINT ECO



**HRV unit for single-room
ventilation**

2

FRESHPOINT ECO

SINGLE-ROOM HEAT RECOVERY VENTILATOR



up to
48 m³/h



up to
92 %



Freshpoint Eco heat recovery unit is a modern solution that combines balanced ventilation with heat recovery, an optional built-in electric heater, temperature sensor, as well as a user-friendly interface. With its compact and multi-purpose design, the device provides an effective way to improve indoor air quality without losing valuable heat (or coolness). The unit is designed for through-the-wall installation inside a prepared hole in an outer wall of the building.

FEATURES

A highly efficient ceramic regenerator helps to save on heating and air conditioning, lowers energy consumption.

Reduces the risk of mold in a premise due to a built-in humidity sensor.

Air supply and exhaust through a single hole in the outer wall.

The product is adapted to low temperatures by means of electric heating (option).

Minimal consumption and high energy efficiency enable it to run continuously without significantly impacting energy bills.

Smart control system.

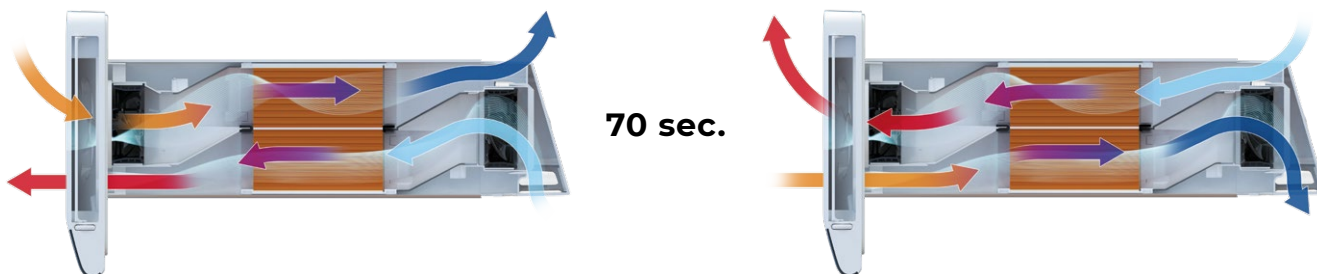
Simple installation without the need for a system of air ducts. This makes them perfect for retrofitting in flats, houses, cottages, social and commercial indoor areas that do not have space to install a centralized system with ducts.



Functions

- 3 speeds, adjustable from 10 to 100 %
- Heat recovery mode, supply only mode, exhaust only mode
- Supply air heating with an electric heater (optional)
- Supply air temperature indication
- Alarm
- Filter maintenance indication
- Night timer
- Turbo timer
- Weekly schedule
- Defrost indication

Unit operating logic in winter period

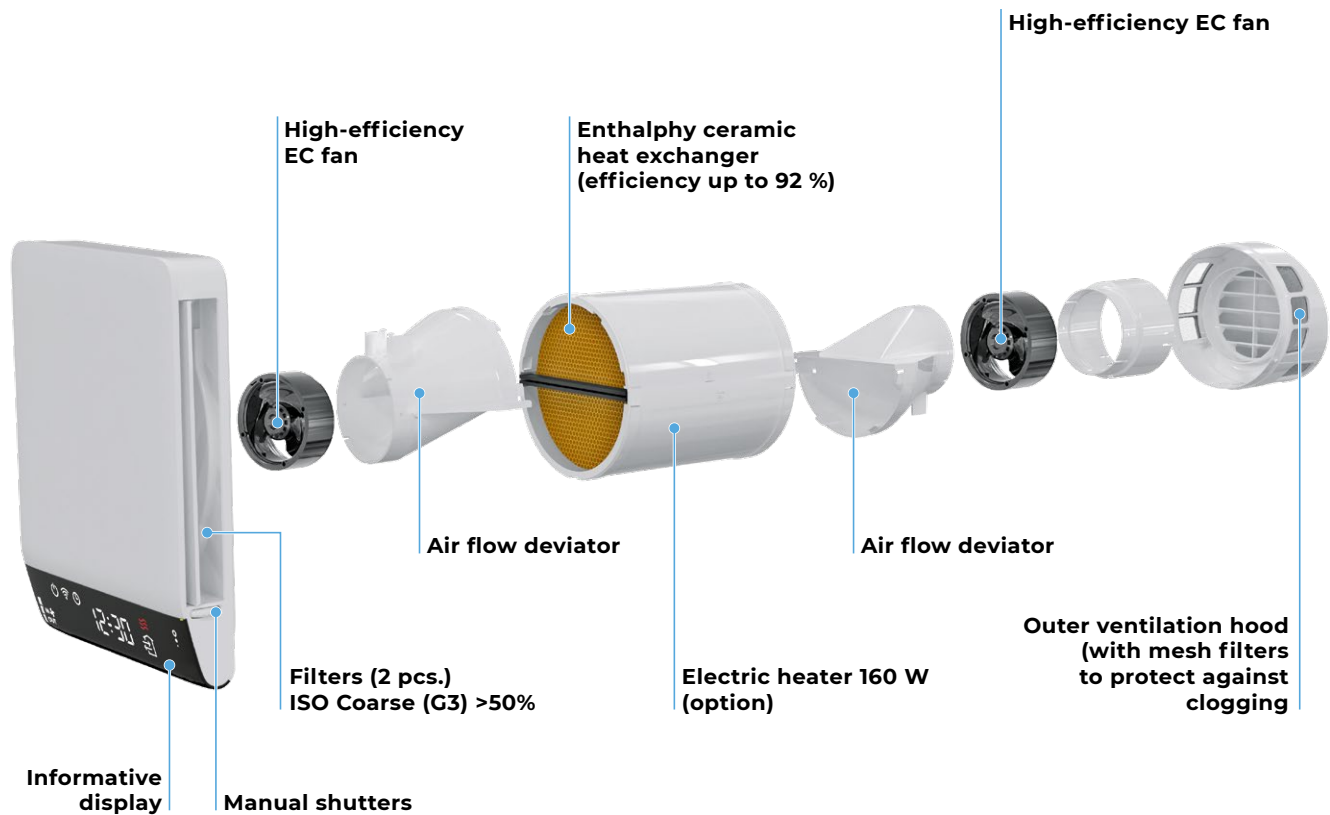


The regenerator is divided into two parts, which are isolated from one another, thus eliminating the transfer of heat and moisture between them. One of the fans operates in the supply mode: fresh cold intake air from outside flows through the first regenerator, and absorbs the accumulated heat and humidity.

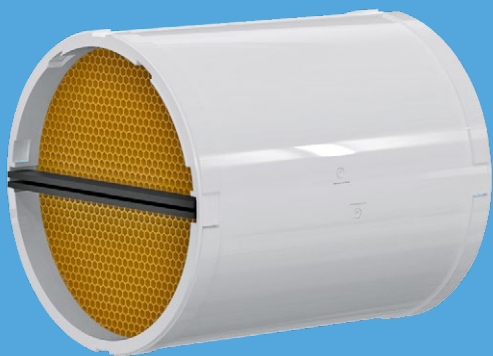
At the same time, the other fan operates in the exhaust mode: warm stale air is extracted from the room outside, and while passing through the other regenerator, gradually transfers some of the moisture and heat to the intake air.

After 70 seconds of operation the fans change the rotation direction and the opposite processes start.

Design

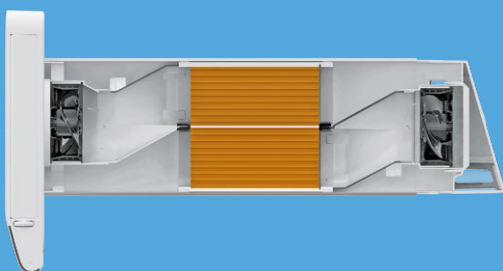


Enthalpy ceramic heat exchanger



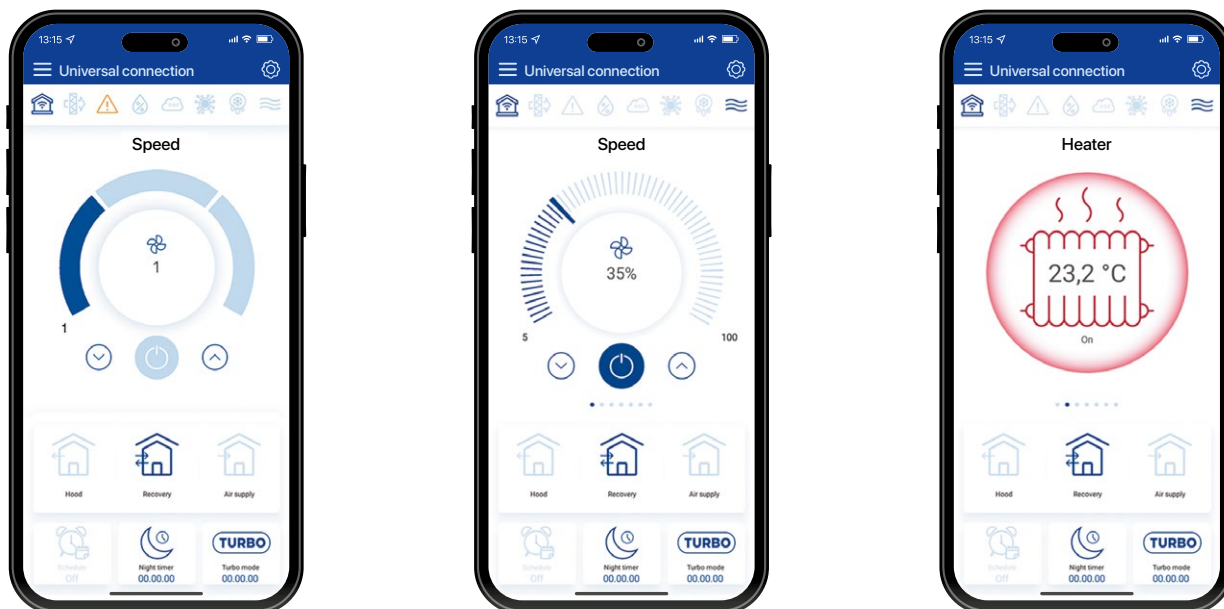
ADVANTAGES

- The process of heat recovery occurs through regeneration with the preservation of moisture, which is very important for the dry winter period.
- No moisture condensation in the heat recovery mode in winter
- High regeneration efficiency due to the innovative hexagonal structure of the heat exchanger cells. Recovers up to 92 % of heat from extracted air.
- The cartridge, which includes the regenerator, is sealed because it is made of ABS plastic, therefore it reduces the accumulation of dirt on the heat exchanger and facilitates cleaning.
- The regenerator is protected with a hydrophilic layer that prevents the ingress of moisture and the formation of fungi and bacteria on its surface



All functions in your smartphone

Freshpoint Eco is not just ventilation, it's a real climate station in your home. Control all functions and parameters via the smartphone app.



AND EVEN MORE.

Simple and convenient voice control of Freshpoint Eco in English, German, Swedish, Norwegian, Danish, Polish, Dutch, French, Spanish*.

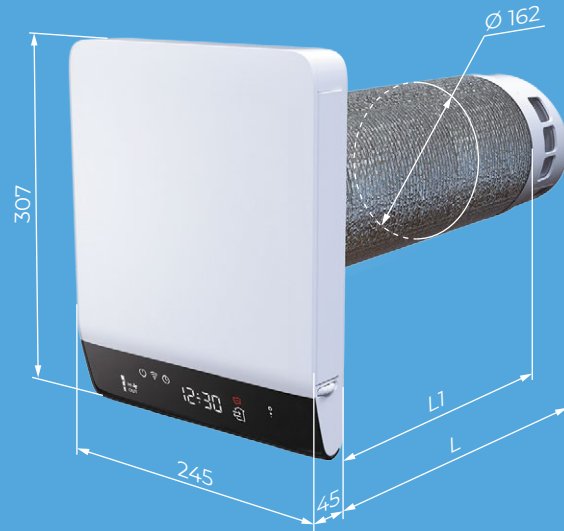


* Important: The feature availability could depend on your country, region and language. Check it for your speaker/smartphone or ask its manufacturer.

Dimensions [mm]

Model	L	L1	Wall thickness
Freshpoint Eco 160	540	439	240*...440
Freshpoint Eco 160 L055	650	550	450...550
Freshpoint Eco 160 L07	800	700	560...700
Freshpoint Eco 160 L1	1100	1000	710...1000

*For walls of other thicknesses, it is possible to use extensions (option, ordered separately).



Assortment

Options & functions	Freshpoint Eco 160	Freshpoint Eco 160-E
Heat recovery, ventilation, supply only, extract only modes	+	+
3 speeds with independent adjustment from 10 to 100 % for supply and exhaust	+	+
Temperature sensor (supply)	+	+
Light sensor	+	+
Electric heater	-	+
Frost protection of ceramic heat exchanger by heating the regenerator with exhaust air and an electric heater	-	+
Frost protection of ceramic heat exchanger by heating the regenerator with exhaust air	+	+
Filter maintenance indication	+	+
Remote control using an IR remote control and a smartphone via Wi-Fi	+	+
Functional smartphone application with voice control, cloud service and work with Google Home or Alexa	+	+
Main screens in the smartphone application	<ul style="list-style-type: none"> • Speed (3 speeds) • Speed (smooth adjustment) 	<ul style="list-style-type: none"> • Speed (3 speeds) • Speed (smooth adjustment) • Heater

Technical data

	Freshpoint Eco 160			Freshpoint Eco 160-E		
Speed	1	2	3	1	2	3
Voltage / Frequency [V/Hz]	220-240/50-60			220-240/50-60		
Max. unit power without electric heater [W]	3.00	5.00	8.00	3.00	5.00	8.00
Integrated electric preheater power [W]	-			160.00		
Max. unit current without electric heater [A]	0.02	0.04	0.04	0.02	0.04	0.04
Max. unit current with electric heater [A]	-			0.85	0.86	0.87
Air flow in heat recovery mode [m ³ /h]	10	30	48	10	30	48
Air flow in ventilation mode [m ³ /h]	10	30	48	10	30	48
Air flow in supply (exhaust) mode [m ³ /h]	15	60	80	15	60	80
SFP [W/l/s]	1.08	0.84	0.60	1.08	0.84	0.60
Sound pressure level at 1 m [dBA]	24	36	50	24	36	50
Sound pressure level at 3 m [dBA]	14	27	40	14	27	40
Classification of air flow sensitivity to pressure difference variations in accordance with EN 13141-8	S3			S3		
Indoor/outdoor airtightness classification of the complete unit in accordance with EN 13141-8	D1			D1		
Heat recovery efficiency [%]	≤ 92			≤ 90		
Heat exchanger material	Ceramic			Ceramic		
Heat exchanger type	Regenerative			Regenerative		
Transported air temperature [°C]	-20 ... + 50			-25 ... + 50		
Filter	G3			G3		
Ingress Protection Rating	IPX4			IP24		
SEC class	A			A		

Accessories

	Freshpoint Eco 160 Freshpoint Eco 160-E
External compensator pad	CPO-40 Freshpoint 160; CPO-80 Freshpoint 160; CPO-120 Freshpoint 160; CPO-160 Freshpoint 160; CPO-200 Freshpoint 160
Expansion kit for thick walls	KLW Freshpoint Eco 160 L055; KLW Freshpoint Eco 160 L07; KLW Freshpoint Eco 160 LI
Metal decorative cuff for indoor installation	MP Freshpoint 160
Filter G3	SF Freshpoint G3 (2 pcs.)
Filter G4	SF Freshpoint G4 (2 pcs.)



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