


Technical data of the heat recovery unit

Specification	j. m.	Ventiflex Reku 400 Premium	Ventiflex Reku 600 Premium	Ventiflex Reku 400 Premium E	Ventiflex Reku 600 Premium E
Catalogue number	-	VTReku-400-PR	VTReku-600-PR	VTReku-400-PRE	VTReku-600-PRE
Efficiency at 100Pa	m³/h	480	600	380	530
Maximum efficiency at 0 Pa	m³/h	550	650	455	590
ErP  Energy efficiency class	Operation in schedule mode	-	A	A	A
	Operation in automatic mode ¹	-	A+	A+	A+
The level of acoustic power emitted by the housing ²	dB	62	63	62	63
Power supply voltage	-	230V AC / 50 Hz		230V AC / 50 Hz	
Fan (power)	W	90	170	90	170
Fan (type)	-	EC		EC	
Heat recovery thermal efficiency	%	85		79	77,5
Maximum heat recovery thermal efficiency	%	95,3		79	79,2
Device dimensions	mm	810 x 1200 x 520		810 x 1200 x 520	
Weight	kg	43		48	
Diameter of connection stubs	mm	200			
Condensate drain	-	DN 32			
Heat recovery unit body material/thickness	- / mm	EPP / 40			
Anti-freeze system	-	Modulated pre-heater PTC			
Exchanger type	-	Cross-counterflow (heat recovery)			
Exchanger material	-	polistyren			
Temperature of the pumped air	°C	-20°C ÷ +50°C			
Filter type	-	Starting			
Air supply filter	-	M5 (ISO ePM10 60%)			
Exhaust filter	-	M5 (ISO ePM10 60%)			
By-pass	-	100% automatic			
Air stream stabilization system	-	Smooth balancing of supply and exhaust air streams			
Fan placement	-	From the side of the air intake and exhaust			

¹ Option with CO2 sensor and humidity sensor – local control on demand.

² Sound power level for a device operating at 70% reference load

PRODUCER



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Ventiflex® Reku Premium



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AIR matters

The latest generation of heat recovery units for new and modernized buildings

Ventiflex® Reku Premium

Unique technology and maximum efficiency

- ▶ Highest efficiency class - up to 95% energy recovery
- ▶ MaxiWarm - casing technology.
- ▶ Efficient air exchange - energy-saving EC fans with high compression
- ▶ Anti-freeze system - automatic anti-freeze system of the exchanger
- ▶ Built-in, filtered 100% supply air by-pass controlled by an actuator
- ▶ Innovative reusable filter cassettes - economical filter system with replaceable inserts
- ▶ InstalSilent - technology of silent operation of internal installation - fans from the intake and exhaust side
- ▶ Efficiency 420 m³/h - Ventiflex Reku 400 Premium (200 Pa)
- ▶ Supply and exhaust air flow stabilization system (Constant Flow System)



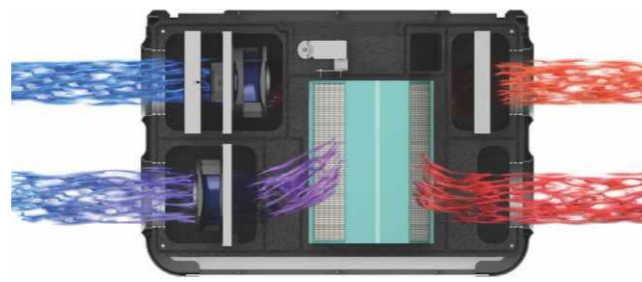
Proven MaxiWarm design

- ▶ High tightness
- ▶ Consistent wall thickness
- ▶ No heat bridges
- ▶ Reduction of heat losses
- ▶ Excellent acoustic and thermal insulation



High heat recovery

- ▶ Cross-counterflow exchangers
- ▶ High exchanger efficiency
- ▶ Large heat exchange surface
- ▶ No mixing of air streams
- ▶ Corrosion resistance
- ▶ High resistance to mechanical damage and deformation



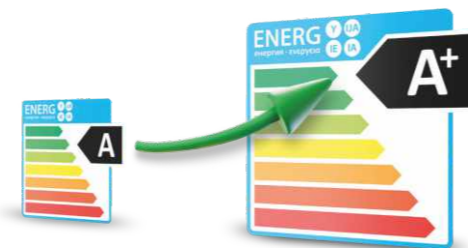
Simple and convenient installation

The use of MaxiWarm housing technology and two drip trays makes the installation of the Ventiflex Reku Premium HRU intuitive, simple and fast. Each device can be mounted in a horizontal or vertical position: on the wall, or directly under the ceiling or on the floor (left and right version in one device). The Ventiflex Reku Premium heat recovery unit is not only the highest comfort of use, but also of installation.



Clean air in the highest class

The Ventiflex Reku Premium heat recovery unit has been designed to be as intuitive as possible and optimally tailored to the requirements of users. It is therefore possible to control it based on a weekly schedule set by the user, indicating the operating hours of the heat recovery unit. The second way is to select the fully automatic mode in combination with CO₂ and humidity sensors. In this mode, the heat recovery unit ensures clean and fresh air in the house throughout the day. Using this mode allows you to fully use the advantages of the Ventiflex Reku Premium heat recovery unit and achieve the highest efficiency class A+.



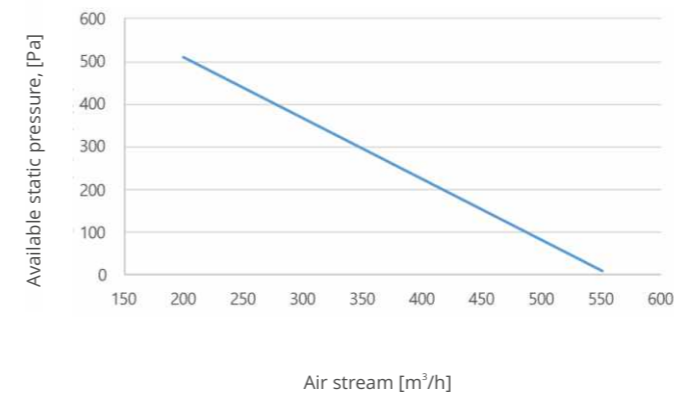
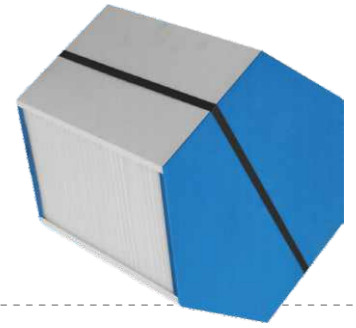
Complex online control

- ▶ Large, 5-inch color touch panel.
- ▶ Programming of work based on a weekly schedule or as needed - CO₂ sensor, humidity sensor.
- ▶ Complete online control via application and web browser - as standard (Wi-Fi module).
- ▶ Cooperation with heat pumps, humidity sensors and CO₂, heating and cooling module.
- ▶ Cooperation with the Sinum smart home system.

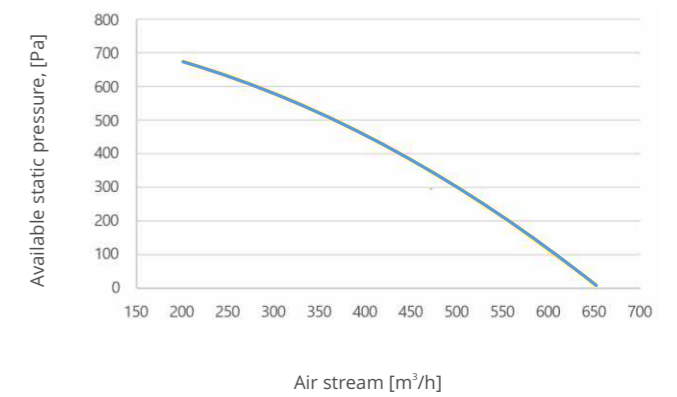


Possibility to order the Ventiflex Reku Premium E model with an enthalpy exchanger

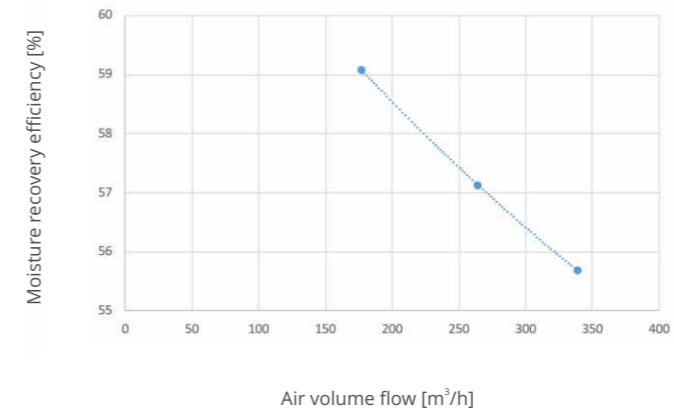
The cross-counterflow enthalpy exchanger uses the full potential of the energy contained in the air. It performs the exchange of heat and moisture between the exhaust and supply air, contributing to energy savings and cost reduction. A special membrane allows water vapour to pass through while retaining impurities, viruses and bacteria. The use of an enthalpy exchanger eliminates issues related to too dry air during the heating season, reduces the costs of air conditioning rooms in summer and improves the comfort of staying indoors throughout the year, ensuring an appropriate level of relative humidity in the range of 30-60%. A heat recovery unit equipped with an enthalpy exchanger is also distinguished by reduced electricity consumption for the needs of the pre-heater, which reduces the operating costs of the device.



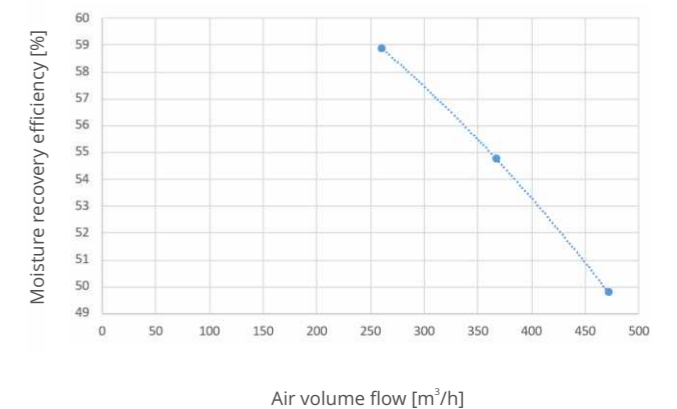
Heat recovery unit efficiency Ventiflex® Reku 400 Premium



Heat recovery unit efficiency Ventiflex® Reku 600 Premium



Moisture recovery Ventiflex® Reku Premium 400 Entalpy



Moisture recovery Ventiflex® Reku Premium 600 Entalpy