

Heat Recovery Ventilation unit



Ventilation systems with heat recovery offer users a high degree of living comfort thanks to temperature controlled and clean air. Heat recovery units are ideal for use in houses, for these owners who are looking for high performance and maximum comfort.

With an optimum exchange program, the ventilation unit guides air extracted from the kitchen and bathroom to the outside. Fresh outdoor air is drawn into the unit via the pipe system. Here 84% of the heat from the extract air is transferred to the supply air via a heat exchanger, which is then supplied back to the living and sleeping quarters.

A perfect exchange and a perfect indoor climate – the most important advantages of units with heat recovery.

- Thermal comfort
- Lower heating requirement
- Lower ventilation heat losses
- Preheating of the supply air
- Considerable energy-saving potential

Control

All settings and features accessible via a control panel, integrated into the front cover.

- Color touch screen with a user-friendly interface
- The option for connecting one or more external control panels is available
- Separate user level for authorized installers and service personnel

Main features:

- Heat recovery unit designed for ventilated areas up to approximately 140m².
- High energy-efficiency rotary heat exchanger with EC - technology fans
- Moisture transfer function to minimize condensation in supply air during wintertime
- Control via touch display and Startup Wizard for easy commissioning
- Modbus communication via RS-485
- Option to control Aquarea H and J series heat pumps from PAW-A2W-VENTA control panel if both units are connected via Modbus interface (PAW-AW-MBS-H)

The built in humidity sensor in extract air can be used for demand control.

- MANUAL and AUTO mode or choose preferred settings from the pre-configured user modes
- If Aquarea H and J series heat pumps are connected with PAW-A2W-VENTA, the heat pump control options will appear on the home screen in a separate tab

The unit can be mounted on a PAW-TA20C1E5C or installed on the wall (wall mounting kit accessory is needed).

Heat Recovery Ventilation unit		PAW-A2W-VENTA-R	PAW-A2W-VENTA-L
Nominal airflow rate	m ³ /h	204 @ 50Pa	
Maximum airflow rate	m ³ /h	292 @ 100Pa	
SPF		1,24 @ 204m ³ /h	
Heat exchanger rotor drive type		Variable speed	
Exchanger type		Rotating	
Heat recovery efficiency		0,84	
Power supply	V / Hz	230 / 50 / 1 phase	
Power consumption	W	176	
Energy Class, basic unit		A	
Energy Class, unit with local control on demand		A	
Noise level	dB	38	
Dimensions [W x H x D]	mm	598 x 450 x 500	
Weight	kg	46	
Mounting position		Vertical	
Supply side		Right	Left
Duct connections	mm	125	
Filter class, supply air		F7/ePM1 60%	
Filter class, extract air		M5/ePM10 50%	
Minimum outdoor temperature	°C	-20	
Price	€		

* Heat recovery efficiency according to EN 13141-7.

Accessories		Price €
PAW-VEN-FLTKIT	Supply and extract filters kit	
PAW-VEN-ACCPCB	Optional PCB for additional functions	
PAW-VEN-DPL	HRV touch control panel. White frame (cable must be ordered separately)	
PAW-VEN-CBLEXT12	Cable with plug for electrical connection between unit and control panel, type CE and CD (12m)	
PAW-VEN-DIVPLG	Twin plugs for installation of several control panels type CD or CE for one unit	
PAW-VEN-DPLBOX	HRV touch control panel wall-mounted kit	
PAW-VEN-S-CO2RH-W	CO ₂ RH wall-mounted sensor	
PAW-VEN-S-CO2-W	CO ₂ wall-mounted sensor	
PAW-VEN-S-CO2-D	CO ₂ duct sensor	
PAW-VEN-PTC12	1,2kW PTC heater DN125	
PAW-VEN-PTC17	1,7kW PTC heater DN125	
PAW-VEN-WBRK	Wall bracket kit for stand-alone installation on the wall	