

The **advantages** of proper **ventilation**

A controlled mechanical ventilation system with heat recovery is a system designed for the **continuous air exchange** in the home and in all indoor environments in general that allows stale air to be replaced and substituted with fresh, oxygen-rich outside air.

The choice of integrating a ventilation system into a building makes it possible to ensure proper exchange of air in closed rooms in all situations where it cannot be managed by opening windows. This is essential in promoting the evacuation of pollutants that accumulate in indoor spaces by ensuring **greater comfort** and **health** at home or in office spaces.

Mechanical ventilation is also essential in all modern homes or buildings with high energy efficiency and a high percentage of insulation for the prevention of issues regarding humidity and mould.

The most advanced VMC systems include a **heat recovery** system: the thermal energy of the outgoing air that has been heated or cooled is retained in the exchanger and then transferred to the incoming air, which will therefore be warmer in winter and cooler in summer than the outdoor air.

I Plus

- Continuous, uniform temperature management;
- Control of the percentage of humidity in rooms;
- Advanced air filtering;
- Containment of external noise;
- Reduction of energy loss to a minimum.



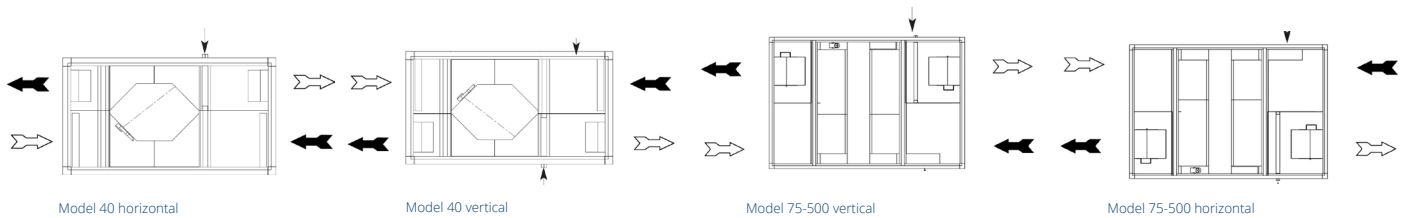
HRS+ and HRSE+ Heat recovery units

HRS+ and HRSE+ heat recovery units for **commercial applications**, combine optimum environmental comfort with definitive energy savings. The design feature in HRS+ HRSE+ heat recovery units saves more than 50% of the energy that would otherwise be lost through exhausted stale air. Suitable for installation in false ceilings, they can be ducted to allow air to be introduced and extracted directly from the room.

- Galvanised sheet metal structure with panels thick. 25mm, injected polyurethane insulation,
- Air filters efficiency class F7 on renewal air flow and M5 on exhaust air flow,
- By-pass for integrated free cooling,
- New AC fans compliant with EU Directive 1253/2014.
- Pressure switch for dirty filter alarm function.



HRS+ Heat recovery unit



AC Version

MODEL		HRS+40	HRS+75	HRS+100	HRS+150	HRS+200	HRS+320
Power supply	V/Ph/Hz	230/1/50					
Total air flow volume	m³/h	400	750	1000	1500	2050	3200
Total static pressure	Pa	160	120	130	160	120	180
Dimensions W/H/D	mm	1480x380 x800	1940x480 x990	1940x480 x990	2200x550 x1000	2200x550 x1400	2500x680 x1400
Winter efficiency	%	83.6	82.9	81.6	83.3	83.7	86.8
Summer efficiency	%	75.5	75.9	74.5	75.1	75.6	78.0
CODE	vers.A	0006551	0006553	0006555	0006557	0006559	0006561
	vers.B	0006552	0006554	0006556	0006558	0006560	0006562

EC Version

MODEL		HRSE+40	HRSE+75	HRSE+100	HRSE+150	HRSE+200	HRSE+320	HRSE+400	HRSE+500
Power supply	V/Ph/Hz	230/1/50							
Total air flow volume	m³/h	400	750	1000	1500	2050	3200	3800	4700
Total static pressure	Pa	340	210	520	500	540	375	330	200
Dimensions W/H/D	mm	1480x380 x800	1940x480 x990	1940x480 x990	2200x550 x1000	2200x550 x1400	2500x680 x1400	2500x680 x1400	2500x680 x1700
Winter efficiency	%	83.6	82.9	81.6	83.3	83.7	86.8	84.1	84.2
Summer efficiency	%	75.5	75.9	74.5	75.1	75.6	78.0	75.0	75.1
CODE	vers.A	0006551E	0006553E	0006555E	0006557E	0006559E	0006561E	0006563E	0006565E
	vers.B	0006552E	0006554E	0006556E	0006558E	0006560E	0006562E	0006564E	0006566E

HRS+ and HRSE+ Accessories

MODEL	HRS+ / HRSE+
	ABB.
Post-heating electric battery	BE
Post-heating water coil (internal)	BW
Section with hot/cold water coil	SBFR
Return filter class F7	F7CF
Post Filtration Section F7	DSF7
Post Filtration Section F9	DSF9
Adjustment damper	SR
Section 3 dampers for mixing/recirculation	RMS
Servomotor for SR damper	SM
Servo motor for SR damper with spring return	SMR
Servomotors for defr. dampers RMS	3SM230
Servomotors for defr. dampers RMS with spring return	3SMR230
Automatic free cooling bypass kit	KBP
Section circ. nozzle	SBC
Duct silencers	SSC
Warning lamp kit	KLS
Pressure switch for dirty filter alert	PS
Anti-freeze thermostat	ATG
2-way valve kit with servomotor on-off (BW-SBFR)	V2O
3-way valve kit with modulating servomotor (BW-SBFR)	V3M
Ionizer Module	ION
Outdoor installation kit	EXT
Outdoor air casing kit	CPA
HRS+ ADJUSTMENTS	
AC unit control panel with bypass	PCU
AC unit speed selector	SV
HRSE+ ADJUSTMENTS	
AC unit control panel with bypass	PCUE
Unit control panel with Modbus board	PCUEM
Unit control panel with 0-10V board	MCUE
Unit control panel with 0-10V board and Modbus board	MCUEM
Continuous flow fans	VSD
HRS+ / HRSE+ ADVANCED ADJUSTMENTS	
Management system with wall-mounted panel	SIGQ
Management system with on-board panel	SIGB
Modbus serial board	SCMB
CO2 duct probe	QSC
CO2 wall probe	QSA
Duct humidity probe	USD
Wall humidity probe	USW