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ENERGY RECOVERY VENTILATOR (ERV)

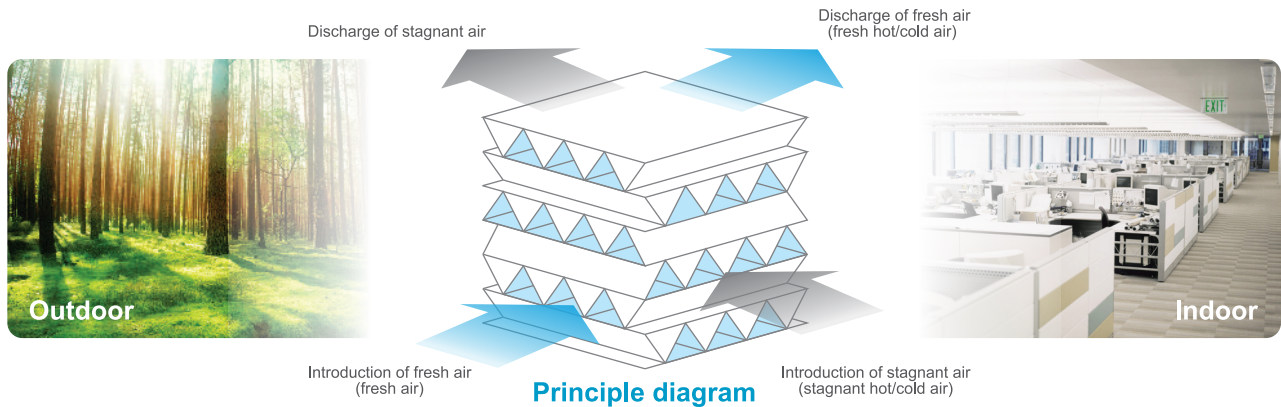


- Air flow: 350~3000m³/h
- Energy Recovery Ventilation System can introduce the fresh air freely on the condition that all the windows closed or exhausted fan uninstalled. It can solve the problem of stagnant air effectively.

It is usually installed in the ceiling of corridor and supplies fresh air to each room through ducts.

Adopt Advanced Heat Exchange Core

ERV adopts cross flow plate exchanger with air volume below 3000m³/h. Fresh air will be introduced and internal leakage is low, which effectively prevent pollution to fresh air.

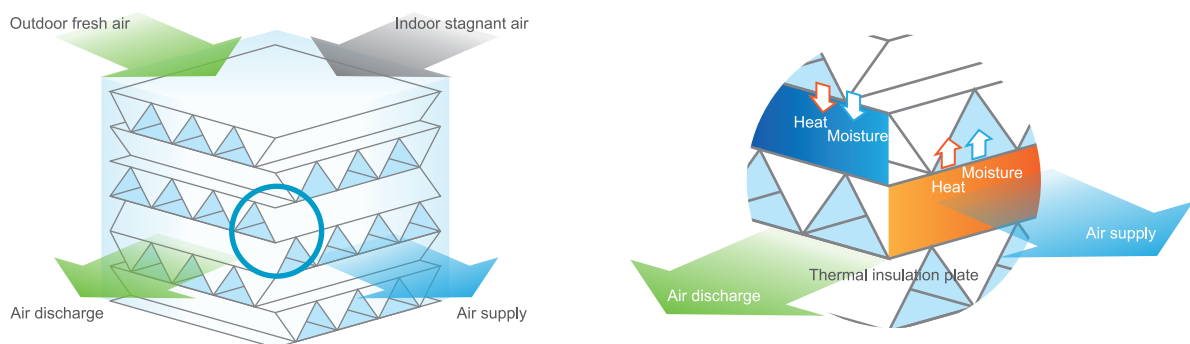


Double-way Ventilation for Fresh Air

ERV can not only introduce lots of fresh air, but also discharge the stagnant air at the same time, which effectively minimizes the toxic air from the inner and other materials. The ventilation effect is very obvious, ensuring enough supply of fresh air to the indoor space.

No Cross Contamination for Ensuring Healthy Fresh Air

The unique cross-flow heat exchange valve sub-assy is adopted. There is only energy exchange between indoor air and outdoor air with little exchange of air, which effectively prevents cross contamination and “air-condition” disease.



Pretreatment of Fresh Air for Energy-saving

When fresh air is introduced, its temperature and humidity will be exchanged with the discharged warm air. As the fresh air is preheated and humidified, energy is saved and load of unit is reduced.



Specifications & Parameter of ERV

50 Hz

Model		Unit	*ERV-D3.5-K	*ERV-D5-K	*ERV-D8-K	*ERV-D10-K	*ERV-D15-M	*ERV-D20-M	*ERV-D30-M
Air flow volume		CMH	350	500	800	1,000	1,500	2,000	3,000
ESP		Pa	100	100	110	110	150	150	220
Temperature exchange efficiency		%	71.0	68.0	70.0	73.0	73.0	71.0	70.0
Enthalpy exchange efficiency	Heating	%	65.0	62.0	63.0	66.0	65.0	62.0	62.0
	Cooling	%	61.0	57.0	60.0	62.0	60.0	58.0	58.0
Power Supply		V~Ph~Hz	220-240~1~50				380-415~3~50		
Power Consumption		W	165	262	400	440	800	950	2,800
Noise		dB(A)	37	39	45	46	48	50	54
Unit Dimension (WxHxD)		mm	800x306x879	800x306x879	832x380x1016	832x380x1016	1210x452x1215	1210x452x1215	1340x572x1550
Packing Dimension (WxHxD)		mm	1050x315x1165	1050x315x1165	1087x400x1320	1087x400x1320	1540x470x1550	1540x470x1550	1610x700x1710
Weight (Net/Gross)		kg	45/53	45/53	57/67	57/67	110/130	110/130	215/236

60 Hz

Model		Unit	*ERV-D5-D	*ERV-D8-D	*ERV-D10-D	*ERV-D15-D
Air flow volume		CMH	500	800	1,000	1,500
ESP		Pa	100	100	110	150
Temperature exchange efficiency		%	68.0	70.0	75.0	73.0
Enthalpy exchange efficiency	Heating	%	62.0	70.0	75.0	73.0
	Cooling	%	58.0	63.0	66.0	65.0
Power Supply		V~Ph~Hz	220-240~1~60			220-240~3~60
Power Consumption		W	262	500	500	1,100
Noise		dB(A)	39	50	46	60
Unit Dimension (WxHxD)		mm	800x306x879	832x380x1016	832x380x1016	1210x452x1215
Packing Dimension (WxHxD)		mm	1050x315x1165	1087x400x1320	1087x400x1320	1540x470x1550
Weight (Net/Gross)		kg	45/53	57/67	57/67	110/130

Remark: For Fujiaire Brand, *≡F; Fujipure Brand, *≡P. Ex: Fujiaire: FERV-D3.5-K; Fujipure: PERV-D3.5-K.

Control System Lineup

Control system		Product series	ERV
Wired controller	Z5N151		●
Interface of the main board	BMS		●
Optoelectronic isolated converter	RS232-RS422/485		○
Optoelectronic isolated signal multiplier	RS-422/485		○

Note: ● means standard, ○ means optional.

Note:

1. All specifications are subjected to change by manufacturer without prior notice.

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