

ENERGY RECOVERY VENTILATOR

Modern building today are built to be energy efficient, and tightly sealed for efficiency. However, they can also trap indoor air pollutants. ERV is a system that brings outside air indoors to improve air quality without sacrificing energy efficiency. Energy Recovery Ventilator (ERV) delivers clean conditioned air, which is very important as most people spend most of their time indoors. ERV is engineered to operate quietly, as it expels inside stale air to the outside.

High-Efficiency Filtration system

High-quality heat exchange core with high-quality filter screen, effectively removes most harmful substances and odors in the air.

The thin body is easy to install

The body is as thin as 20cm, which fully saves the installation space of the building, and Provides a one-stop fresh air solution for Installation places with limited ceiling height.

Easy Maintenance

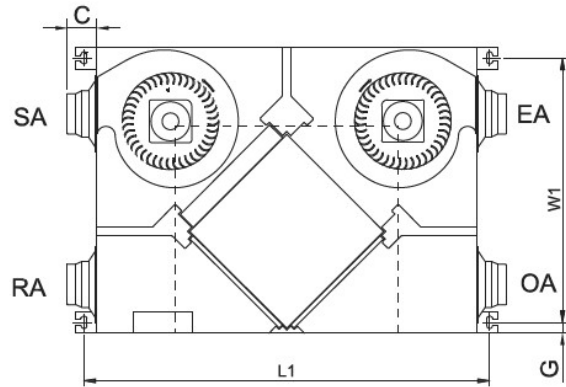
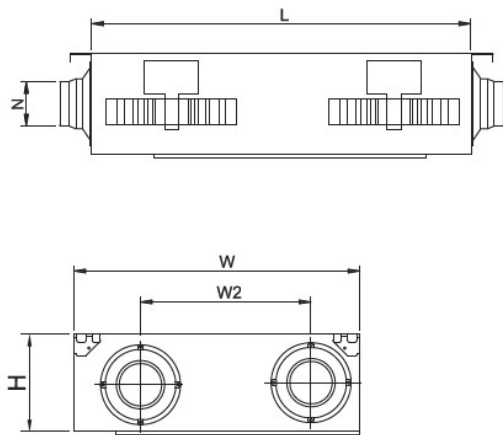
Just remove the cover plate under the body, You can repair, maintain or replace the filter accessories.



VERDANT GENERAL ERV			ERV-150	ERV-350	ERV-500	ERV-1000
POWER SUPPLY	V/P/Hz		220/1/50	220/1/50	220/1/50	220/1/50
INPUT POWER	W	H	102	209	200	680
		M	98	230	200	680
		L	93	233	200	680
AIR FLOW	m ³ /h	H	150	350	600	1300
		M	150	350	600	1300
		L	120	240	500	1000
STATIC PRESSURE	Pa	H	90	130	97	90
		M	70	110	92	85
		L	45	40	82	75
NOISE LEVEL	Db-A		23/31/32	31/36.5/37	39/35/29	43/41/38
DIMENSIONS	A x B x C (mm)		1070x820x230	1070x820x230	867x902x280	1193x1243x388



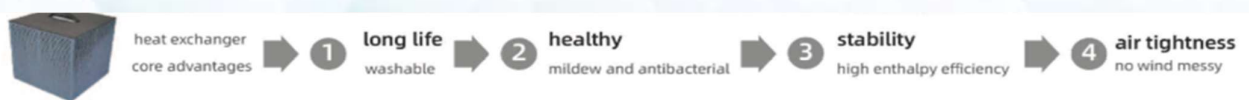
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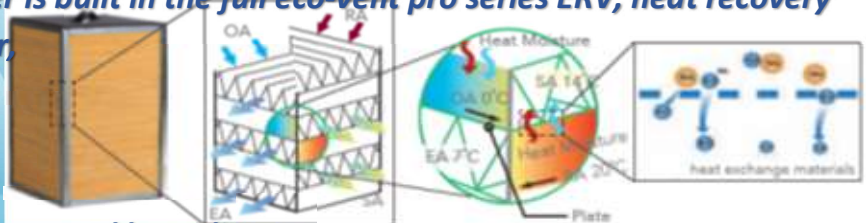
Model	L	L1	W	W1	W2	H	C	G	N
ERV-150	860	920	685	618	405	220	70	26	Ø98
ERV-350	1070	1130	820	753	550	230	70	26	Ø114
ERV-500	867	922	902	834	452	280	107	26	Ø194
ERV-1000	1193	1248	1243	1173	630	388	85	26	Ø242

Sub-HEPA F9 filter integrated optional.

Optional sub HEPA F9 filter, particle diameter under $2.5\mu\text{m}$ can be filtered effectively, IAQ (indoor air quality) will be increased obviously, purification efficiency up to 99%.



Crossflow enthalpy exchanger is built in the full eco-vent pro series ERV, heat recovery efficiency up to 82% in winter, the allowance of moisture exchange between fresh air and exhaust air makes a comfortable indoor temperature and humidity.



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