

Energy Recovery Ventilator

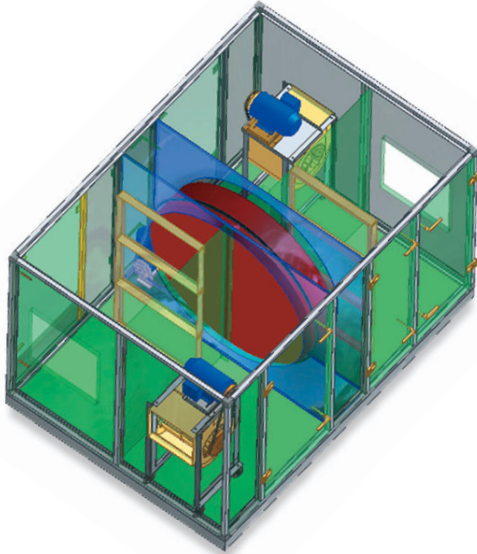
Interior Applications

400 to 18 000 CFM



ERV-i

series

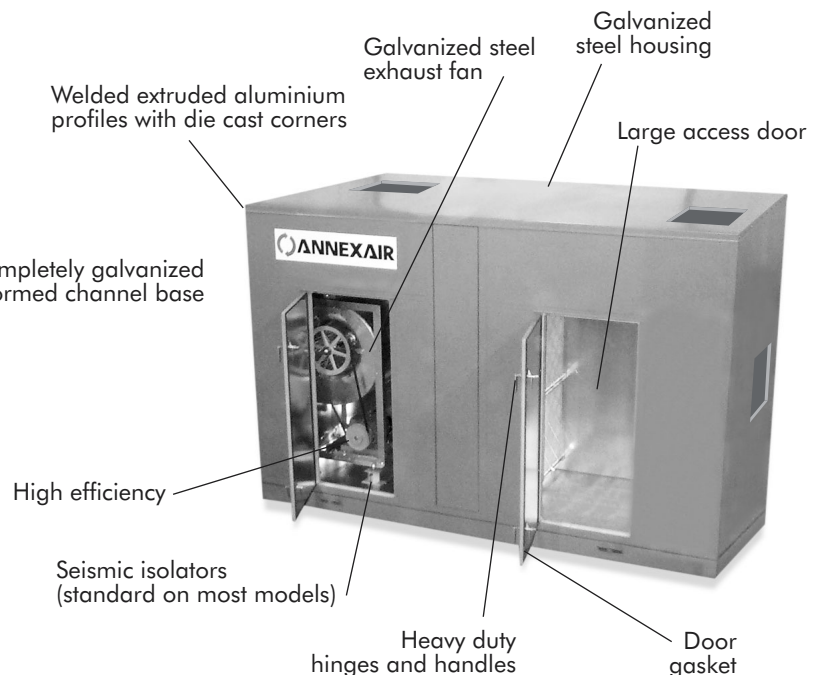
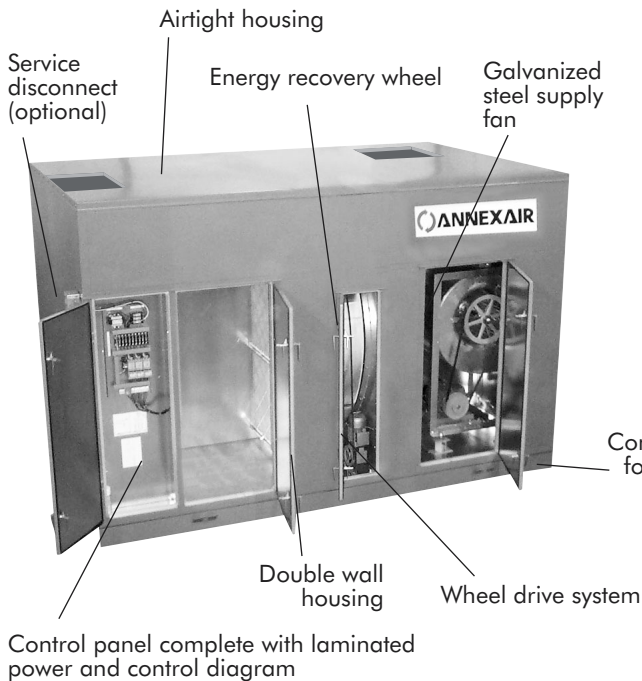


70 to 90%
energy recovery
efficiency

Standard ERV Available in 9 Casing Sizes

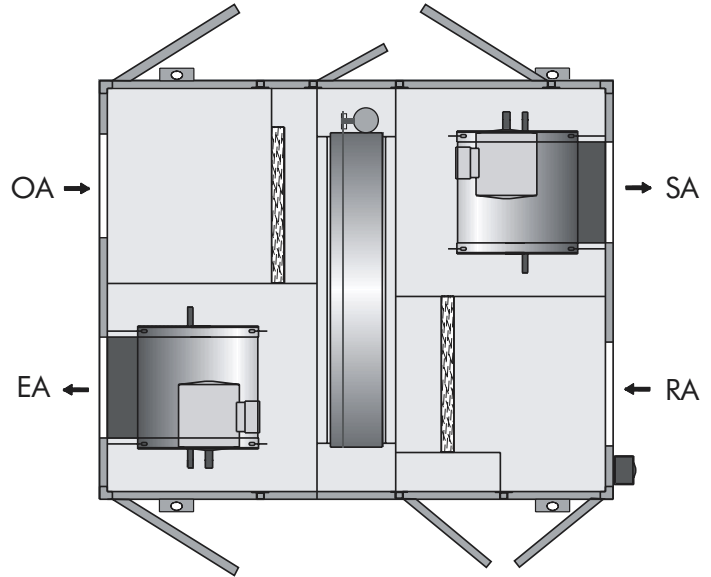
The ERV-i is a packaged preconditioning energy recovery ventilator designed for indoor installation. The unit incorporates a highly effective enthalpy wheel to transfer both sensible and latent heat between supply and exhaust air streams for a substantial reduction in heating, cooling and humidification costs. Similarly, employing an ERV from Annexair is also the most economical way to meet today's stringent ventilation rate requirements for acceptable indoor air quality. Superior design and engineering allows for a small unit footprint, enhanced sound attenuation, numerous airflow arrangements and a wide variety of control options to meet your application's specific needs.

*"Your Total Solution for Packaged
Preconditioning Systems."*



Standard Features ERV-i

- Air-tight unit housing
- Fully galvanized steel housing and base with rigid aluminum framing system
- Single or Double wall construction, with 1" or 2" insulation
- High efficiency galvanized DWDI scroll fans with staggered impellers.
- Energy recovery wheel for total enthalpy transfer includes:
 - Annexair's unique low leak ultra-high molecular weight seals
 - Maintenance free drive motor
 - Maintenance free integral bearing
 - 5 year warranty
- Single point power connection with UL and/or CSA listed components



Typical Plan View for 01 to 05 models

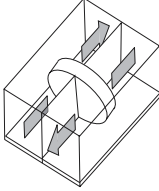
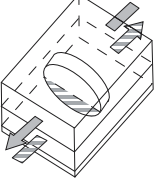
Options

- Multiple unit voltage
- Factory mounted purge sector
- A variety of frost control strategies (if required)
- 2" or 4", 25-30% ASHRAE rated pre-filters installed in both airstreams
- Outdoor air, exhaust air and recirculation dampers
- Service disconnect
- Flexible duct connections
- Seismic isolators
- Perforated inner liner for sound attenuation in fan section

Controls



- LonMark® compatible microprocessor
- Economizer / free-cooling
- Dirty filter indicators, wheel rotation detector, air flow switches, 7-day timer and smoke detector alarm
- Terminal interface compatible with all Building Automation Systems

AIRFLOW	MODEL SIZE	MINIMUM AIRFLOW							CFM x 100 % efficiency							MAXIMUM AIRFLOW																																																																				
		4	6	8	10	12	14	16	87.5	82.2	78.3	71.2	67.7	64.5	12	14	16	18	20	22	24	26	83.0	80.8	78.8	77.0	75.2	72	70.9	70.5	20	24	28	32	36	40	44	82.6	79.9	77.5	75.3	73.3	71.4	69.6	32	34	36	38	40	42	44	46	48	50	52	54	79.9	78.4	77.5	76.6	75.7	74.4	73.8	73.2	72.6	72.0	71.4	70.4	48	50	52	54	56	58	60	62	64	76.4	75.7	75.1	74.4	73.8	73.2	72.6
Vertical Center Partition. Unit shipped with access doors on both sides. 	01																																																																																			
	02																																																																																			
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Horizontal Center Partition. Unit shipped with access doors on one side. 	07																																																																																			
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