

Looking for a payback from your ventilation system? Heat Recovery Ventilators are the best winter ventilation solution.

HRVs offer you a fresh look at an energy management tool that is dust free, freeze-resistant and easily maintained. Winter ventilation is necessary to provide fresh air, remove manure gases and control unwanted moisture build-up. You can accomplish this by using exhaust fans and supplemental heat, however, excessive energy costs make this expensive. A DEL-AIR HRV will reduce heating costs dramatically when ventilating buildings in the coldest sub-zero weather. The principle that makes this possible is 'heat transfer'. DEL-AIR's patented energy efficient core recovers animal heat that would normally be exhausted, virtually eliminating the need for supplemental heat!

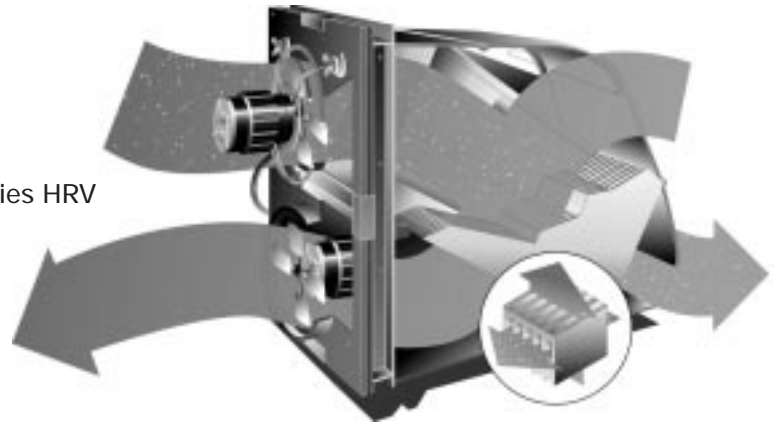
DEL-AIR's HRV units feature a wash system, indoor and outdoor drainage, removable core, variable speed control*, automatic electronic defrost**, and through-the-wall mounting in less than 30 minutes.

*optional on RA Series
**standard on V Series

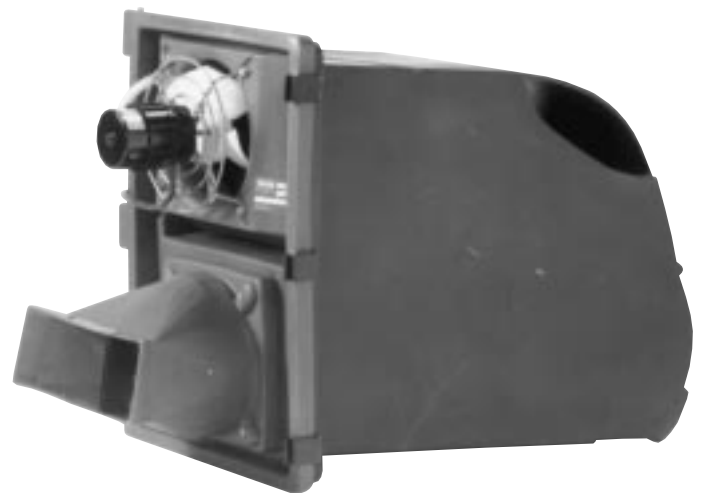
Heat Recovery Ventilator (HRV)

Management free optimum winter ventilation

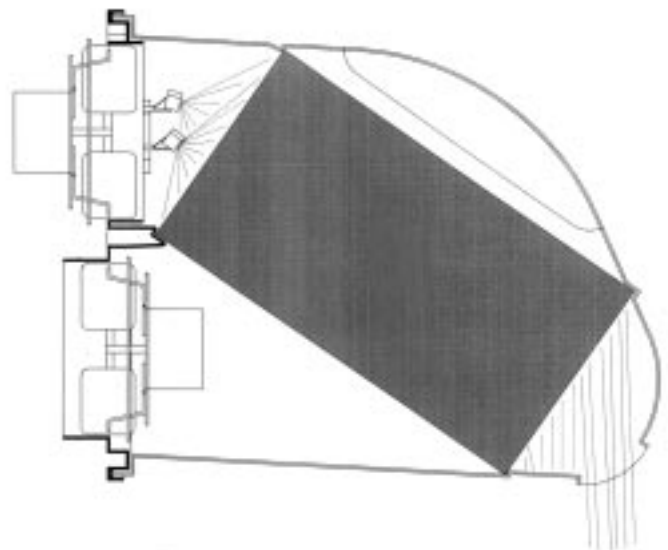
RA Series HRV



RA 400



Auto Wash System



HRV Specifications

MODEL	WIDTH		HEIGHT		ELECTRICAL REQUIREMENTS		
	inches	(mm)	inches	(mm)			
RA400	14.5	(370)	22.50	(575)	115 VAC/220	2.4 Amps	225 Watts
RA1000	22.0	(560)	29.50	(750)	115 VAC/220	3.6 Amps	368 Watts
V500	22.5	(575)	40.75	(1030)	115 VAC/220	2.4 Amps	280 Watts

Heat Recovery Case Studies

DEL-AIR Heat Recovery Ventilators are PAMI tested for airflows and efficiency.

All units tested at typical conditions.

Outdoor Conditions: -22°F (-30°C) 95% RH
 Barn Environment: 68°F (20°C) 70% RH
 Barn Static Pressure: -0.05 in wg (12 Pa)

	RA400	RA1000	V500
Exhaust Airflow cfm (m ³ /hr)	400 (680)	950 (1614)	510 (866)
Supply Airflow cfm (m ³ /hr)	298 (506)	645 (1096)	495 (841)
Supply Air Temperature °F (°C)	35 (2)	38 (3)	50 (10)
Defrost Cycle min/hr	8	8	8
Auto-wash Frequency hr*	24	24	12
Barn Heat Exhausted btu/hr (kW)	38500 (11)	94600 (28)	49600 (15)
Supply Heat Recovered btu/hr (kW)	15900 (5)	32300 (9)	24800 (7)
Energy Efficiency %**	41%	34%	50%
Moisture Removed from Barn gal/day (L/day)	44 (200)	88 (400)	54 (248)

* Automatic core wash standard on V-series, optional on RA-series.
 ** PAMI Detailed Test Procedure T-TP-5.1 method used. All data verified by independent test agency.

Product Features

- Automatic wash
- Removable core
- Automatic electronic defrost
- Variable speed control
- Standard outdoor drainage
- Optional indoor drainage
- Easy mounting
- Accessories for unique applications

