



**DESICCANT ROTORS INTERNATIONAL PVT LTD.**  
 ARCTIC INDIA HOUSE, 20, RAJPUR ROAD, DELHI - 110054 (INDIA)  
 PHONE : 91-11-23906666 FAX: 91-11-23906600  
 E-MAIL: dri@pahwa.com, Website : drirotors@pahwa.com

## TECHNICAL SPECIFICATION

Bulletin : DRI-ERV-029-03  
 Effective : July 21, 2011  
 Supersedes : DRI-ERV-029-02  
 Dated : March 21, 2011

### ENERGY RECOVERY VENTILATOR

#### ERV-500i / 800i / 1000i

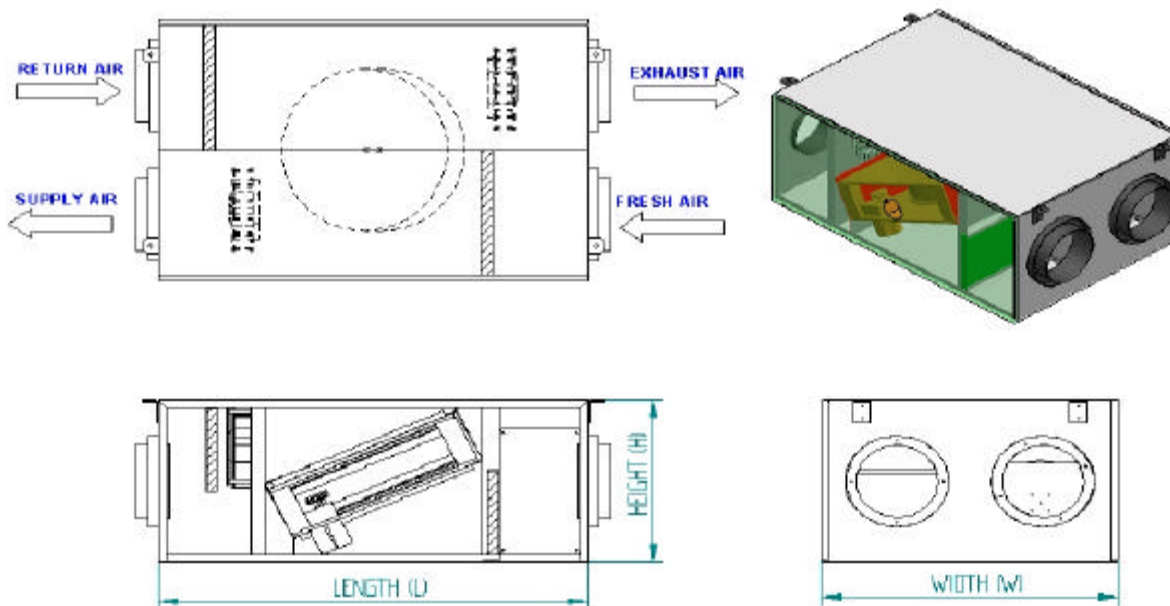
**ERV-500i/800i/1000i CABINET-STYLE ENERGY RECOVERY VENTILATOR**  
**ALL ERV's UNIVERSAL MOUNT, CABINET-STYLE ENERGY RECOVERY VENTILATORS COME STANDARD WITH :**

- CNC MANUFACTURED 20 GAUGE POWDER COATED CABINET
- MOLECULAR SIEVE COATED ALUMINIUM, 'ECOFRESH'. TOTAL ENERGY RECOVERY WHEEL.
- COMPACT BACKWARD CURVED RADIAL FANS WITH EXTERNAL ROTOR MOTOR.
- CASING INSULATED WITH 13mm CLOSED CELL, HIGH DENSITY INSULATION TO PREVENT CONDENSATION OF MOISTURE ON EXTERIORS OR INTERIORS OF THE UNIT.
- LARGE PANEL OPENING FOR EASY ACCESS TO FILTERS, AND INSPECTION OF OTHER COMPONENTS.
- REMOTE START/STOP WITH 1.25 MTR.LONG CABLE.
- REMOVABLE, WASHABLE SYNTHETIC PRE FILTERS.
- FEATHER TOUCH BRUSH SEALS MINIMIZE CROSS CONTAMINATION & ENSURE LONG LIFE.

### SPECIFICATION

MODEL	SUPPLY AIR FLOW CMH	DUCT CONNECTION IN mm	EXHAUST AIR FLOW CMH	DUCT CONNECTION IN mm	SUPPLY BLOWER WATT	EXHAUST BLOWER WATT	BED DRIVE MOTOR WATT	Power Consumption at rated Air Flow (Watts)	NOISE LEVEL (dbA)	DIMENSIONS IN MM (EXCLUDING BASE FRAME)			APPROX. SHIPPING WT. IN KG.	AC POWER SOURCE	EFFICIENCY
										L	W	H			
ERV-500i	500	200	500	200	155	155	25	335	45*	1030	720	440	71	230V/1Ph/50Hz	Up to 70%
ERV-800i	800	250	800	250	185	185	25	395	45*	1400	800	440	95	230V/1Ph/50Hz	
ERV-1000i	1000	250	1000	250	225	225	25	475	45*	1500	850	440	110	230V/1Ph/50Hz	

**\*MEASURED AT 3 MTRS. DISTANCE (AT 90 DEGREES), WHEN UNIT IS DUCTED.**



### OPTION AVAILABILITY

ECONOMISER	ON REQUEST
SENSIBLE RECOVERY	AVAILABLE
VARIABLE SPEED CONTROLLER	ON REQUEST
ALUMINIUM FILTERS	AVAILABLE
CO2 MONITOR	AVAILABLE
OUTLET DUCT GRILLS	AVAILABLE

**ALL DATA SUBJECT TO CHANGE WITHOUT NOTICE**





## TECHNICAL

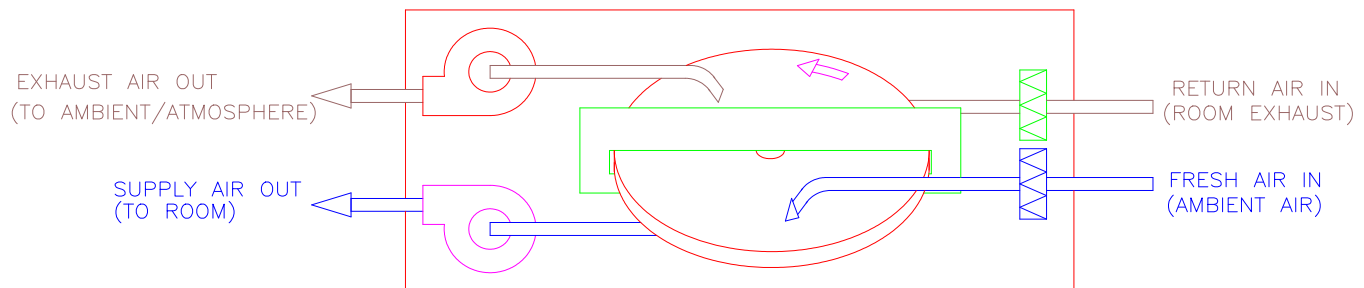
### **DESICCANT ROTORS INTERNATIONAL PVT LTD.**

ARCTIC INDIA HOUSE, 20, RAJPUR ROAD, DELHI - 110054 (INDIA)

PHONE : 91-11-23906666 FAX: 91-11-23906600

E-MAIL: dri@pahwa.com, Website : drirotors@pahwa.com

## **SYSTEM FLOW DIAGRAM**



**ALL DATA SUBJECT TO CHANGE WITHOUT NOTICE**

