

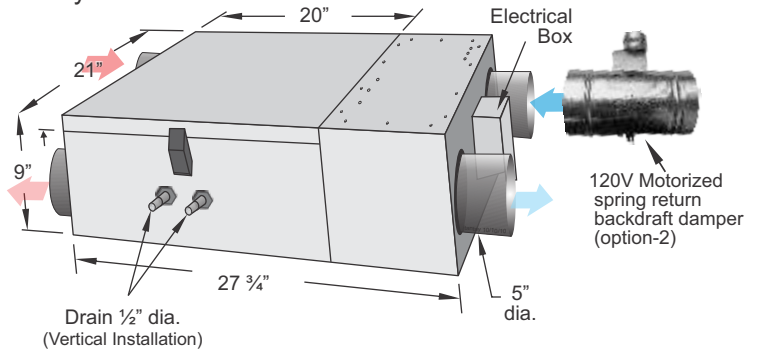


**Superior**

**HRV Superior Series**  
**(Polypropylene Core)**

**Features**

- Over all size 27 3/4" (W) x 21" (D) x 9" (H)
- Power ratings: 115V / 1 / 60 Hz, 1.5 Amp, Standby current is 7W only
- Washable Polypropylene core and Filters
- High efficiency energy saving permanently lubricated variable speed PSC motors for air balancing
- Suitable for horizontal & vertical installation
- Tilted core design for maximum efficiency
- Automatic fan cycled defrost
- Exhaust up to two washrooms
- Two Speed exhaust (High / Low) - up to 150 CFM maximum
- Continuous fresh air supply up to 95 CFM
- Furnace / Fan-coil / Heat Pump Interlock
- Dual Protection: If exhaust fan fails, the outside fresh-air supply will be closed by shutting off supply motor and the relay contact for motorized damper and interlock will be opened. Fan Coil/Furnace low speed will be stopped and at normal operation no air will enter into the system
- In case of power failure, optional motorized spring return damper stops the fresh air intake and prevent core from freezing.
- Weight approximately 52 lbs., 2 years warranty on parts

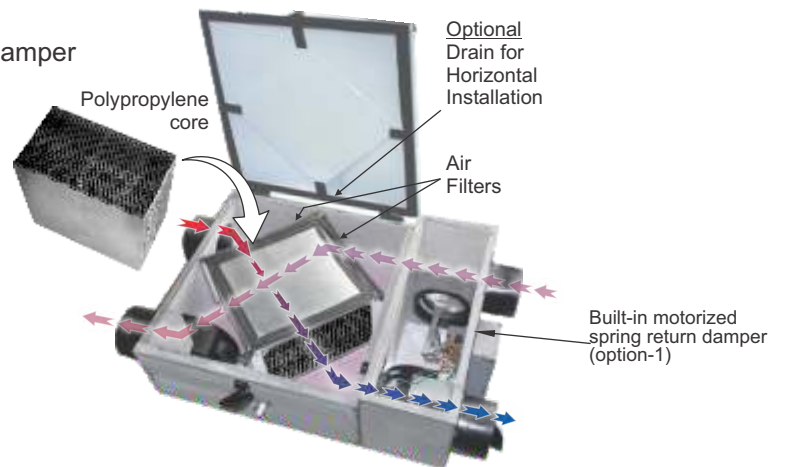


**Accessories (Included):**

- Mounting brackets and Drain plugs

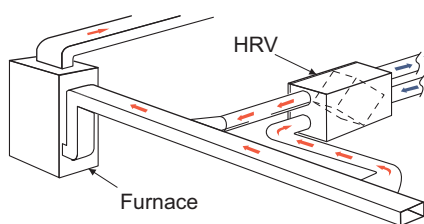
**Optional:**

- Built-in Motorized Spring Return Damper (option-1)
- Motorized Spring Return Backdraft Damper (option-2)
- Dehumidistat
- Pipe and "T" connector
- Time Delay Switch (5VDC or 120VAC)
- 2 sets (Webbing/Brackets/Ladder lock)
- Intermittent Switch (5VDC)

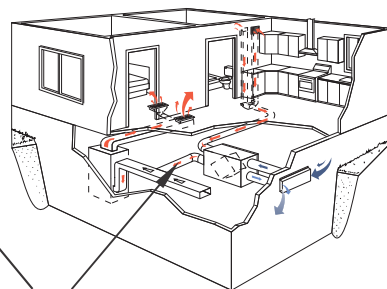


**Installation Options for house**

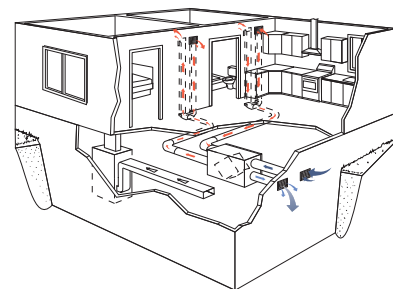
Furnace Return Air-duct Connection



Semi Ducted System



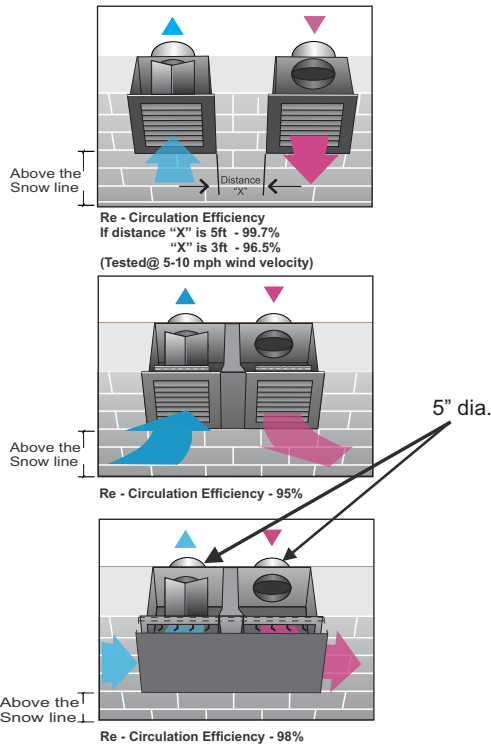
Fully Ducted System



Motorized spring return damper (Highly Recommended)



## OPTIONAL WALL BOXES

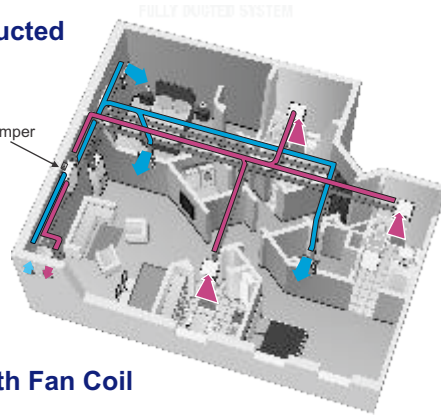


**Note:** All Vents must be installed min. 5 ft away from sidewalls.  
For Safety and optimum performance always use Reversomatic accessories.

## Installation Options for High-Rise Condominium

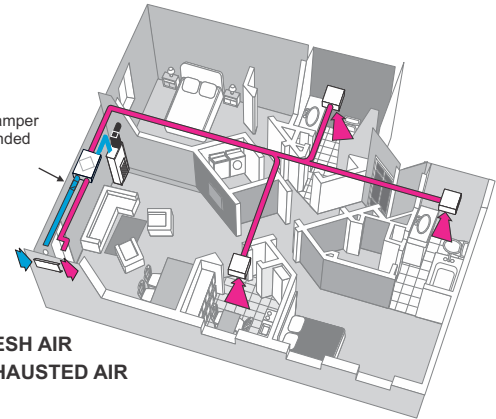
### Fully Ducted System

Motorized spring return backdraft damper (Recommended)



### HRV with Fan Coil System

Motorized spring return backdraft damper (Highly Recommended due to chimney or stack effect)



**FRESH AIR**  
**EXHAUSTED AIR**

**Note:**

- HRV must be connected to drain.
- ERV does not required any drain. However, we recommend to connect ERV to drain in areas where extreme cold weather conditions are expected.

### SOUND:

29 (L/s) @ 0.2 (IN. W.G.)	1.7 sonex (@ 49 Pa)
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## VENTILATION PERFORMANCE

Model #	Normal Speed Supply/Exhaust (Constant Ventilation)	High Speed Exhaust (Activated by switch)	Maximum Power Rating 120V / 1 / 60Hz
<b>RHRV-S100P (1)</b> (Single Washroom)	20 ~ 55 CFM variable	70 ~ 110CFM variable	1.10 Amp.
<b>RHRV-S100P (2)</b> (Two Washrooms)	30 ~ 95 CFM variable	100 ~ 145 CFM variable	1.50 Amp.

\* Normal / High Speed and air balancing can be achieved by adjusting speed controller knob located on the main control board of the HRV/ERV.

## ENERGY PERFORMANCE

RHRV S100P		Supply Temperature		Net Airflow		Supply / Exhaust Flow Ratio	Average Power (Watts)	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer
		°C	°F	L/S	CFM					
Heating	i	0	32	22.8	48.3	1.04	62	66	81	0 %
	ii	0	32	29.4	62.3	1.00	78	64	75	0 %
	iii	0	32	37.4	79.2	0.99	96	60	71	0 %
	iv	-25	-13	30.1	63.8	1.00	73	35	60	0 %

Contractor:			<b>RHRV-S100P</b>		
Architect:	Job:	Date	Superse.des	Drawing No.	
Engineer:	Date Submitted:	29/03/23		Rev. 5	

**Reversomatic Manufacturing Ltd.**

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