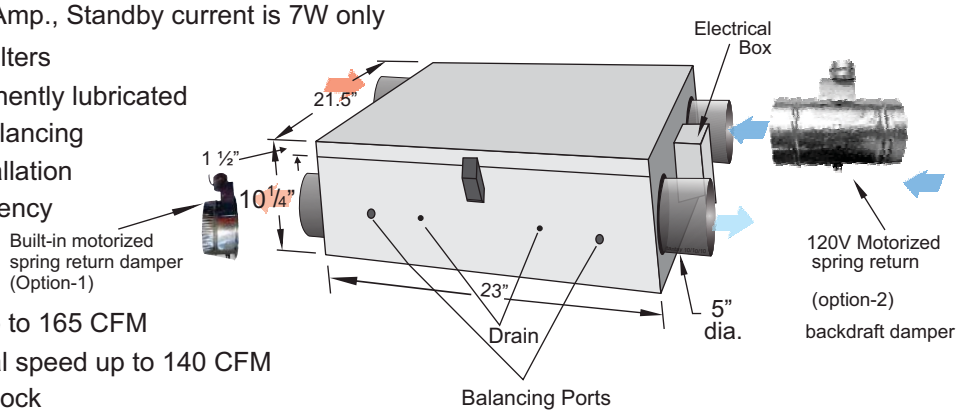
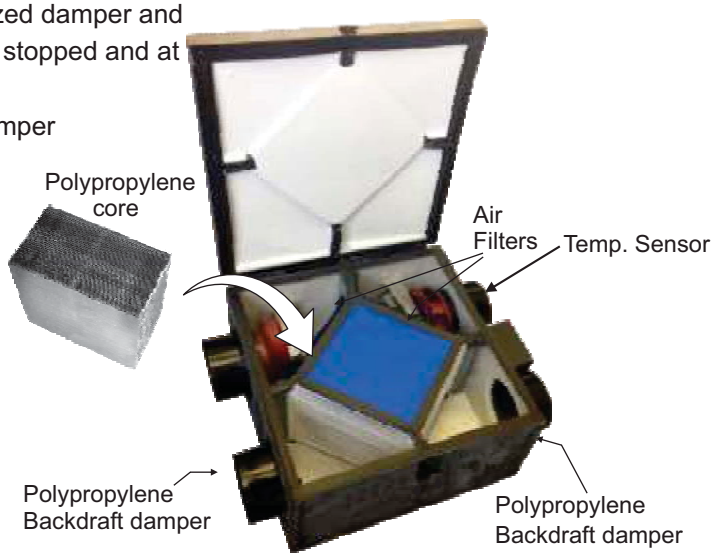
Shop Drawing
RHRV-110P ES
(Polypropylene Core)

Features

- Over all size 23” (W) x 21.50” (D) x 10.25 ” (H)
- Power ratings: 115V / 1 / 60 Hz, 1.1 Amp., Standby current is 7W only
- Washable Polyoropylene 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 three washrooms
- Two Speed exhaust (High / Low) - up to 165 CFM
- Continuous fresh air supply at Normal speed up to 140 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 60 lbs., 2 years warranty on parts





Accessories (Included):

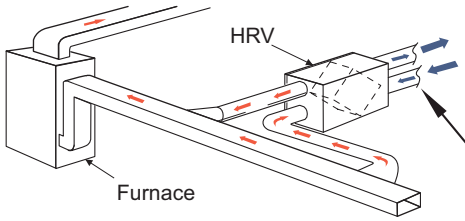
- Mounting brackets and Drain plugs

Optional:

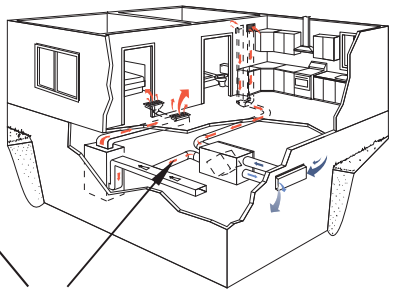
- Motorized Damper (120V AC), option 1 & 2
- Dehumidistat
- Pipe and “T”connector
- Time Delay Switch (120V AC)
- 2 sets (Webbing/Brackets/Ladder lock)
- Intermittent Switch (5VDC)
- Push button timer switch (20/40/60 Min., 5VDC)

Installation Options for house

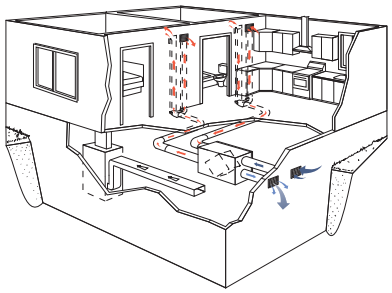
Furnace Return Air-duct Connection



Semi Ducted System



Fully Ducted System



Motorized spring return damper (Highly Recommended)

2100 HVI CERTIFIED

C SP US

ENERGY STAR

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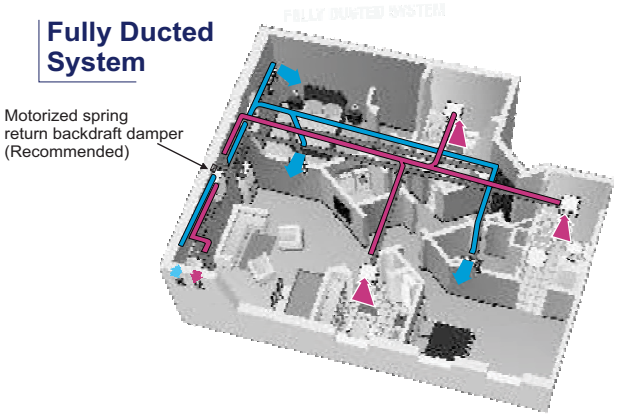
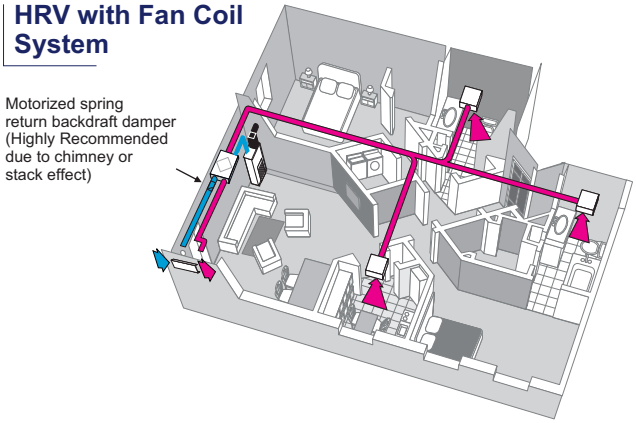
Installation Options for High-Rise Condominium

Fully Ducted System



HRV with Fan Coil System



Note:

- HRV must be connected to drain.

VENTILATION PERFORMANCE

Model #	Normal Speed Supply/Exhaust (Constant Ventilation) @ 50 Pa	High Speed Exhaust (Activated by switch) @ 50 Pa	Maximum Power Rating 120V / 1 / 60Hz
RHRV-110P ES	50 ~ 165 CFM variable	100 ~ 165 CFM variable	1.10 Amp.

SOUND:

30 (L/s) @ 0.2 (IN. W.G.)	1.7 sones (@ 50 Pa)

* Normal and high speed can be adjusted by either installer or factory using speed controllers mounted on the main controller of the unit.

ENERGY PERFORMANCE

RHRV-110P ES		Supply Temperature		Net Airflow		Supply / Exhaust Flow Ratio	Average Power (Watts)	Sensible Revcovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer
		°C	°F	L/S	CFM					
Heating	I	0	32	23	49	1.03	42	73	82	0 %
	ii	0	32	30	64	1.03	50	70	79	0 %
	iii	0	32	40	85	1.01	60	66	73	0 %
	iv									
	v	-25	-13	31	65	0.89*	32	61	79	1 %
	vi	-25	-13	23	49	0.89*	42	63	85	1 %

* Indicate the Supply/Exhaust flow ratio at 22°C prior to the start of the 72 Hour cold weather test

Contractor:		RHRV-110P ES		
Architect:	Job:	Date	Superse.des	Drawing No.
Engineer:	Date Submitted:	2018.12.03		

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