

Shop Drawing RHRV-130P ES (Polypropylene Core)

Features

- Over all size 23" (W) x 21.5" (D) x 12.125" (H)
- Power ratings: 115V / 1 / 60 Hz, 1.1 Amp., Standby current is 2W 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 three washrooms
- Two Speed exhaust (High / Low) - up to 165 CFM
- Continuous fresh air supply at Normal speed up to 161 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):

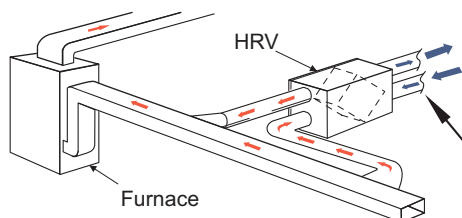
- Mounting brackets and Drain plugs

Optional:

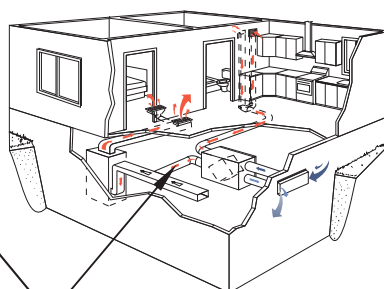
- Motorized Damper (120V AC), option 1 & 2
- Dehumidistat
- Pipe and "T" connector
- Time Delay Switch (120V AC)
- 2 sets (Webbing/Brackets/Ladder lock)
- Intermittent Switch (5VDC)
- Push button timer switch (20/40/60 Min., 5VDC)

Installation Options for house

Furnace Return Air-duct Connection

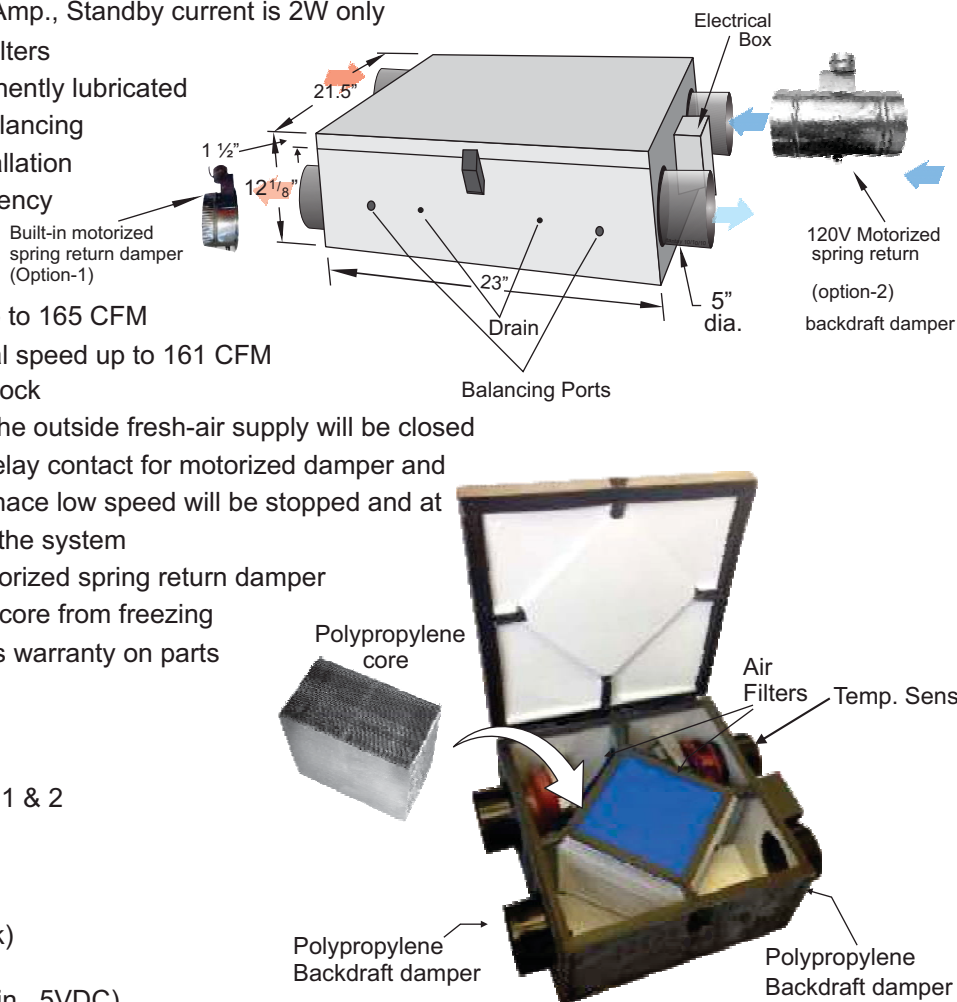
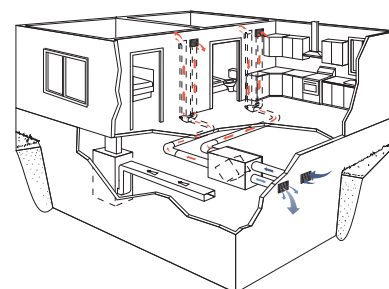


Semi Ducted System



Motorized spring return damper
(Highly Recommended)

Fully Ducted System



Installation Options for High-Rise Condominium

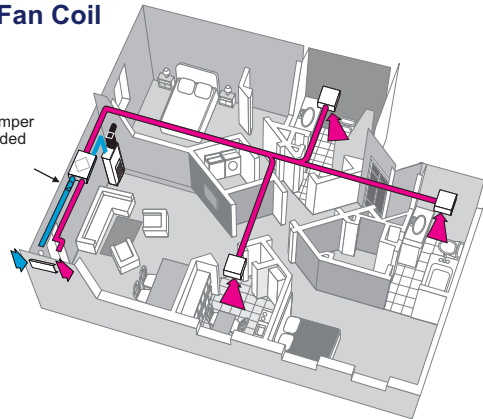
Fully Ducted System

Motorized spring return backdraft damper (Recommended)



HRV with Fan Coil System

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



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-130P 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)
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* 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-130P ES		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	23	49	1.00	52	80	90	1 %
	ii	0	32	30	64	1.02	60	79	89	1 %
	iii	0	32	45	96	1.01	74	75	82	1 %
	iv									
	v	-25	-13	31	65	0.90*	58	66	88	1 %
	vi	-25	-13	24	51	0.90*	52	64	92	1 %

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

Contractor:				RHRV-130P ES		
Architect:		Job:		Date	Supersede	Drawing No.
Engineer:		Date Submitted:		08/12/22		