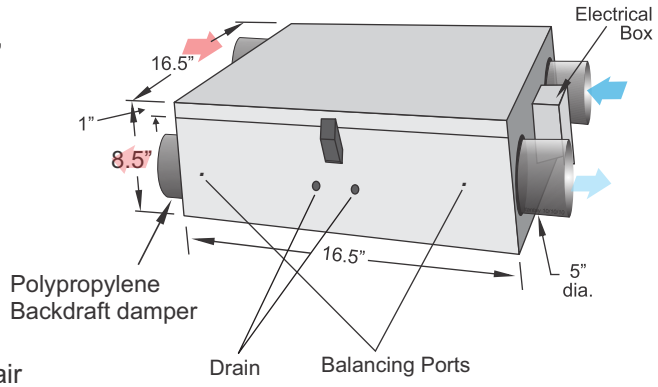
Shop Drawing

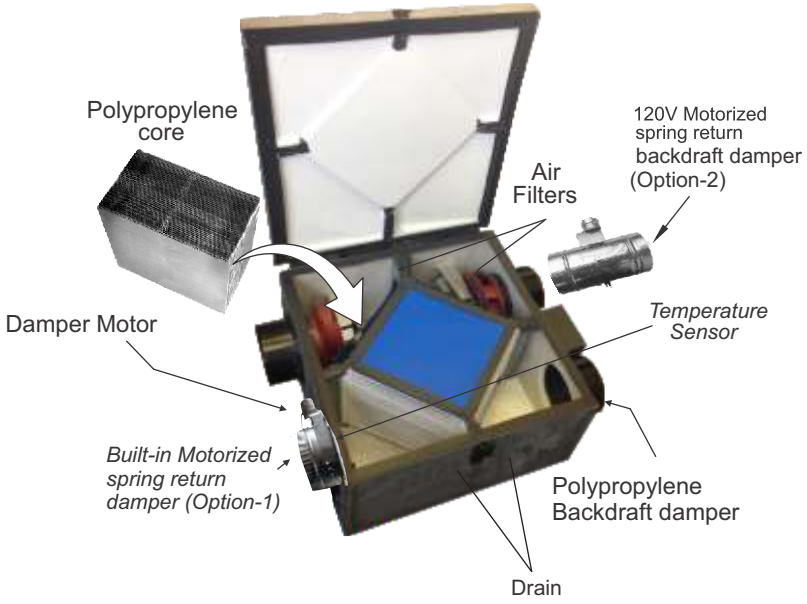
Mini
RHRV-80P

(Polypropylene Core)

Features

- Over all size 16.5” (W) x 16.5” (D) x 8.5” (H)
- Power ratings: 115V / 1 / 60 Hz, 0.75 Amp.,Standby current is 7W only
- Washable Polypropylene core and Filters
- High efficiency, energy saving, permanently lubricated, backward inclined, non- over loading, 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 90 CFM
- Continuous fresh air supply up to 20-60 CFM
- Furnace / Fan-coil / Heat Pump Interlock
- *Dual Protection:* If exhaust fan fails, the outside fresh-air supply will be closed automatically (by optional motorized damper) and interlocking relay contact will be opened. Fan Coil/Furnace low speed will be stopped and at normal operation no air will enter into the system.
- Weight approximately 20 lbs.
- 2 years warranty on parts





Accessories (Included):

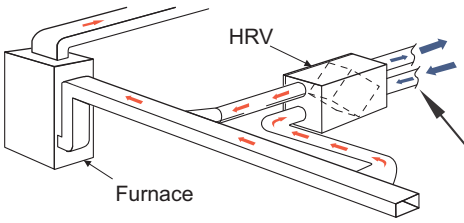
- Mounting brackets

Optional:

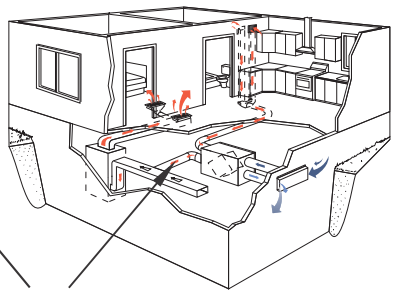
- Built-in Motorized Spring Return Damper (option-1)
- Motorized Spring Return Backdraft Damper (option-2)
- Dehumidistat
- Pipe and “T”connector
- Time Delay Switch (5V or 120V)
- 2 sets (Webbing/Brackets/Ladder lock)
- Intermittent Switch (5VDC)
- Push button timer (20/40/60 Min.-5VDC)

Installation Options for house

Furnace Return Air-duct Connection

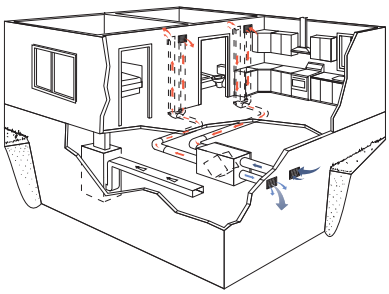


Semi Ducted System



Motorized spring return damper (Highly Recommended)

Fully Ducted System



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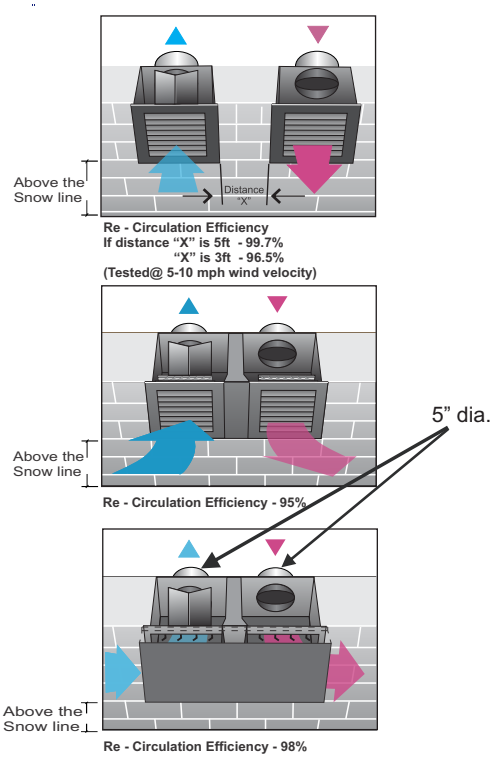
4 Pine Street, Toronto, ON Canada, M9N 2Y8 Tel: 416-247-0045 Fax: 416-247-2012

Mini

RHRV-80P

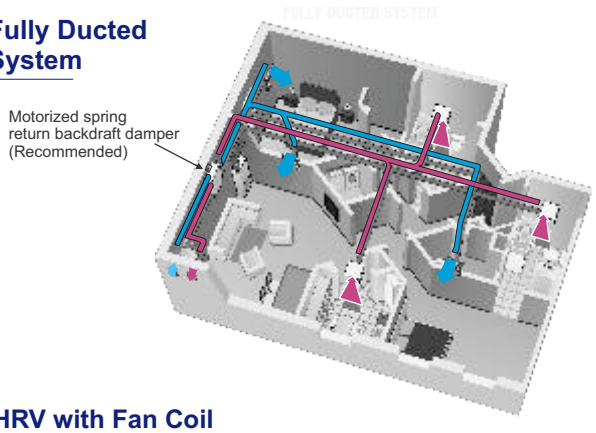
OPTIONAL WALL BOXES



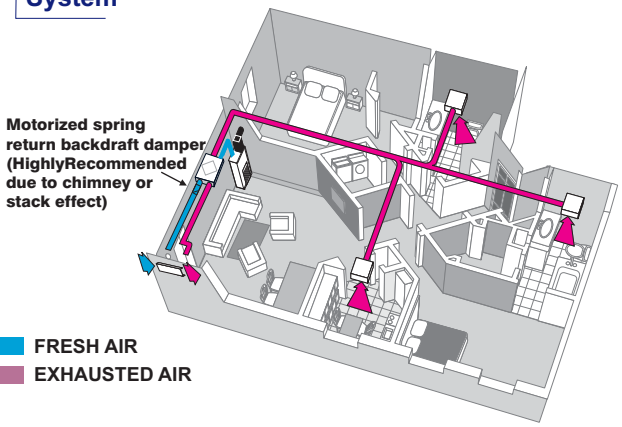
Note: All Vents must be installed min. 5 ft away from sidewalls.
For Safety and optimum performance always use Reversomatic accessories.

Installation Options for High-Rise Condominium

Fully Ducted System



HRV with Fan Coil System



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-80P	20 ~ 60 CFM variable	60 ~ 90 CFM variable	0.75 Amp.

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

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.**

ENERGY PERFORMANCE

RHRV-80P		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	18	38	1.00	31	74	81	0.01
	ii	0	32	22	47	1.02	33	72	79	0.02
	iii	0	32	30	64	1.02	39	70	74	0.01
	iv									
	v	-25	-13	30	64	1.01	38	55	65	0.01

** Indicate Total Recovery Efficiency not Sensible Recovery Efficiency

Contractor:		**RHRV-80P**		
Architect:	Job:	Date	Superse.des	Drawing No.
Engineer:	Date Submitted:	11/15/16		

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4 Pine Street, Toronto, ON Canada, M9N 2Y8 Tel: 416-247-0045 Fax: 416-247-2012