



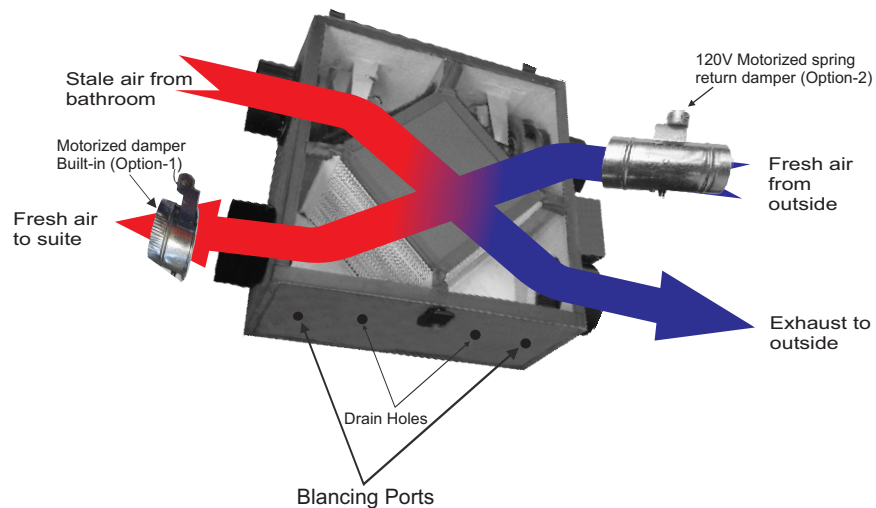
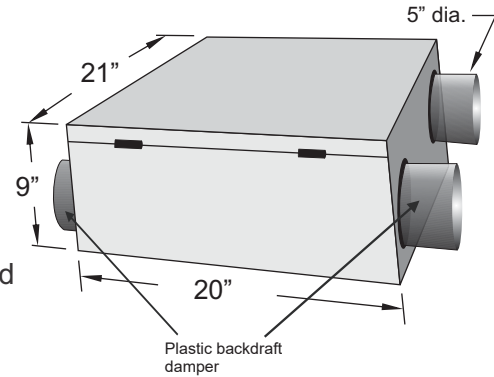
Shop Drawing

RHRV-C100P

HRV Compact Unit
(Polypropylene Core)

Features

- Over all size 20" (W) x 21" (D) x 9" (H), App. weight 32 lbs.
- Power ratings: 115V/1/60 Hz, 0.70 Amp.
- Washable Polypropylene Core
- High efficiency energy saving permanently lubricated variable speed PSC motors for air balancing
- Furnace / Fan-coil / Heat Pump Interlock
- Dual Protection: If the exhaust fan fails, the outside fresh-air supply will be closed by shutting off the 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
- Automatic non-recirculating defrost
- Washable MERV - 3/4 filters
- Tilted core design
- continuous fresh air supply up to 80 CFM
- Ideal for horizontal and vertical installation
- 4 mounting brackets and 2 drain plugs are included

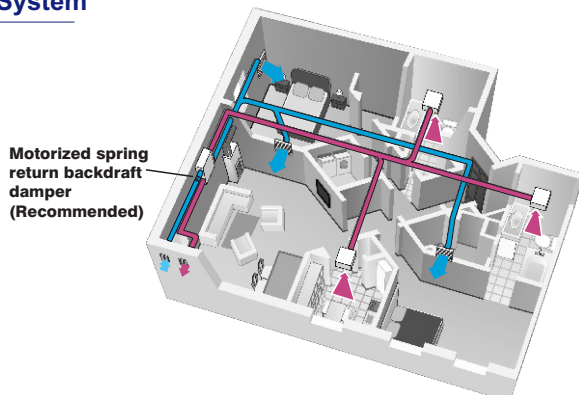


OPTIONAL ACCESSORIES:

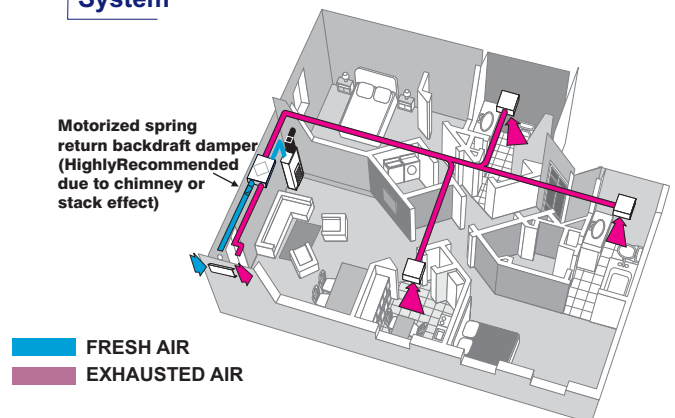
- Push button Timer Switches (5VDC)
- Dehumidistat
- Time Delay Switch (120VAC)
- Intermittent Switch (5VDC)(See on Back side)
- Motorized spring return damper (Option 1 or 2)
- Adjustable mounting straps or chain mounting system



Fully Ducted System



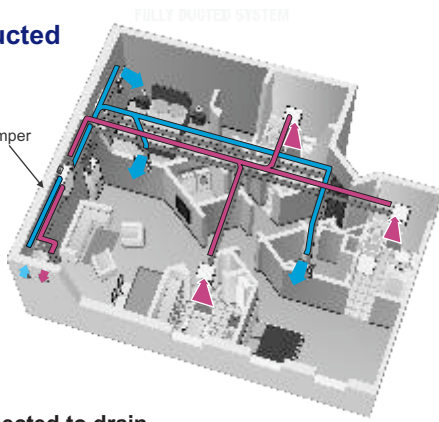
HRV with Fan Coil System



Installation Options for High-Rise Condominium

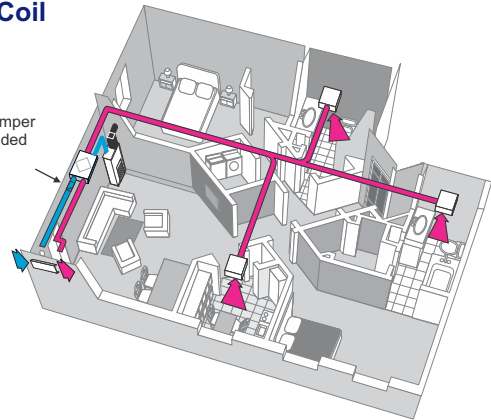
Fully Ducted System

Motorized spring return backdraft damper (Recommended)



HRV with Fan Coil System

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



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.

ENERGY PERFORMANCE

RHRV-C100P	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	48	1.01	36	80	88	0.05
	ii	0	32	30	64	1.02	46	77	86	0.03
	iii	0	32	33	70	1.00	48	77	83	0.02
	iv									
	v	-25	-13	37Δ	77Δ	0.99*	46Δ	55Δ	76Δ	0.01Δ
	vi	-25	-13	26Δ	56Δ	1.11*	34Δ	57Δ	77Δ	0.01Δ
Cooling	vii									

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-C100P	20 ~ 80 CFM variable	70 ~ 115 CFM variable	0.70 Amp.

* Normal / High Speed and air-flow balancing can be achieved by adjusting speed controller knob located on the main controller.

* The Supply / Exhaust Flow Ratio at 22°C prior to the start of the 72 Hours Cold Weather Test

Δ The Calculation is based on last 60 Hours of the 72 Hours Cold Weather Test

ACCESSORIES

Double Vent with Extruded Aluminum Grilles
Exhaust and Intake (DVG-200)
Optional: Stamped Aluminum Grilles

DVV-100C - Double Vent c/w Vertical Exhaust / Intake hood (Only for Compact unit)

Double Vent with Side Exhaust / Intake (DVS-100)

Double Vent for window panel Exhaust and Intake (DV-200)

Access Doors FLAT - ADF 26

Single Vent with Extruded Aluminum Grille (RSVG100)
Optional: Stamped Grille

Single Vent with Standard Stamped Aluminum Grille (RSVG200)
Optional: Extruded Aluminum Grille

Motorized Damper
5 inch diameter spring return round damper
NSPRD024-5 (24V DC) & SPRD110-5 (110V AC)

Electronic Timer Switch (5V DC)
Activates the unit on high speed for 20, 40, 60 minutes. Suitable for Deluxe, Superior & Compact Units. (TC100)

PROJECT - ADP 24

Wall Cap
Exhaust / Intake WCE-5*, WCI-5*

Intermittent Switch (IC 100-5V)
Low/High/Intermittent/Off mode. In Intermittent mode, HRV/ERV runs for 20 min. in low speed & 40min. OFF. and cycles Continuously.

Dehumidistat
Wall-mount unit allows to control indoor humidity level. Suitable for Superior Series & Compact Units. (RH100)

DETACHABLE - ADD 24

Contractor:		RHRV-C100P		
Architect:	Job:	Date	Superse.des	Drawing No.
Engineer:	Date Submitted:	03/09/2017		

Reversomatic Manufacturing Ltd.

790 Rowtree Dairy Road, Woodbridge, ON Canada L4L 5V3 • Tel: 905-851-6701 • Fax: 905-851-8376
www.reversomatic.com • info@reversomatic.com