



Features

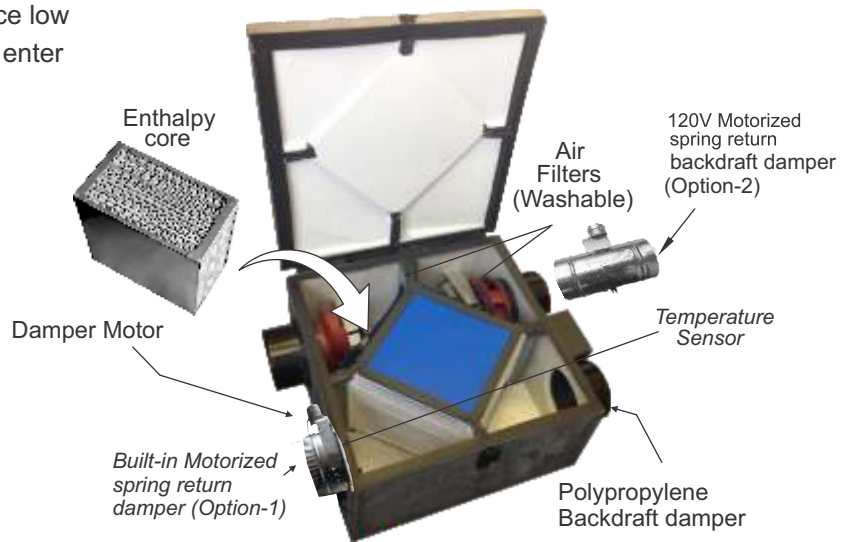
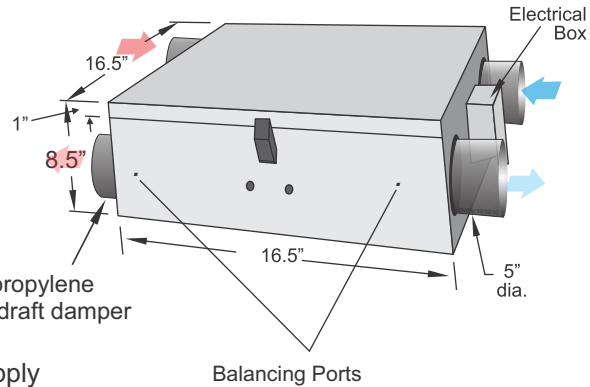
- Over all size 16.5" (W) x 16.5" (D) x 8.5" (H)
- Power ratings: 115V / 1 / 60 Hz, 0.75 Amp., Standby current is 7W only
- Washable high efficiency **Dpoint Enthalpy core** suitable for -25 C
- **Drainless design**
- High efficiency, energy saving, permanently lubricated, backward inclined, non- over 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.
- Washable MERV- 3/4 filters.
- 2 years warranty on parts

Accessories (Included):

- Mounting brackets

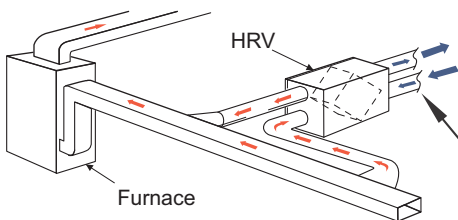
Optional:

- 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)

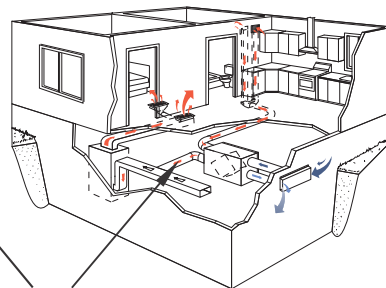


Installation Options for house

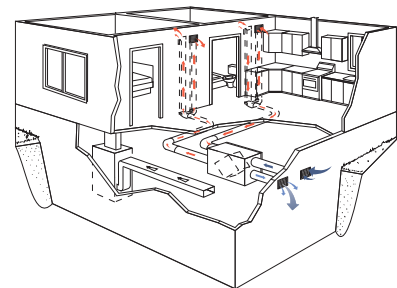
Furnace Return Air-duct Connection



Semi Ducted System



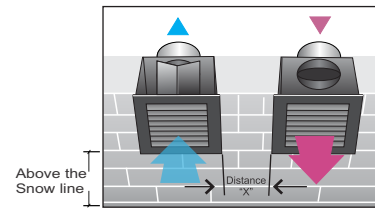
Fully Ducted System



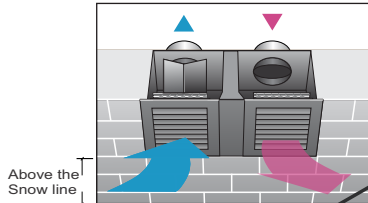
Motorized spring return damper (Highly Recommended)



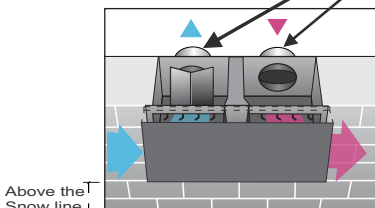
OPTIONAL WALL BOXES



Re - Circulation Efficiency
If distance "X" is 5ft - 99.7%
"X" is 3ft - 96.5%
(Tested @ 5-10 mph wind velocity)



Re - Circulation Efficiency - 95%



Re - Circulation Efficiency - 98%

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

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
RERV-80 (Single Washroom)	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.

ENERGY PERFORMANCE

RERV 80		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	18	38	1.02	30	63	74	0.42	
	ii	0	32	22	47	1.02	32	62	70	0.40	
	iii	0	32	30	64	1.04	38	58	67	0.36	
	iv										
	v	-25	-13								
Cooling	vi	35	95	22	47	1.00	32	33**	62	0.24	
	vii	35	95	30	64	0.99	40	29**	58	0.18	

** Indicate Total Recovery Efficiency not Sensible Recovery Efficiency

Contractor:		RERV-80		
Architect:	Job:	Date	Superse.des	Drawing No.
Engineer:	Date Submitted:	03/10/17		

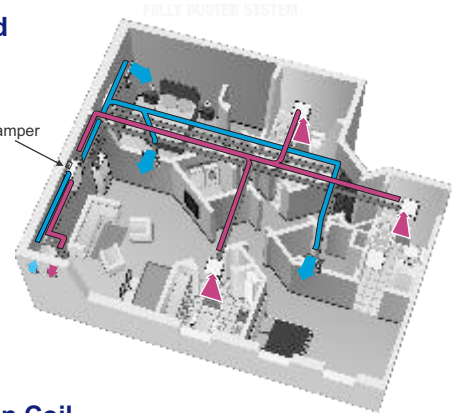
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Installation Options for High-Rise Condominium

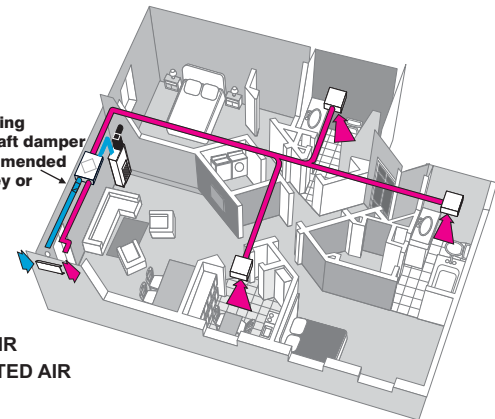
Fully Ducted System

Motorized spring return backdraft damper (Recommended)



ERV 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 require any drain. However, we recommend to connect ERV to drain in areas where extreme cold weather conditions are expected.