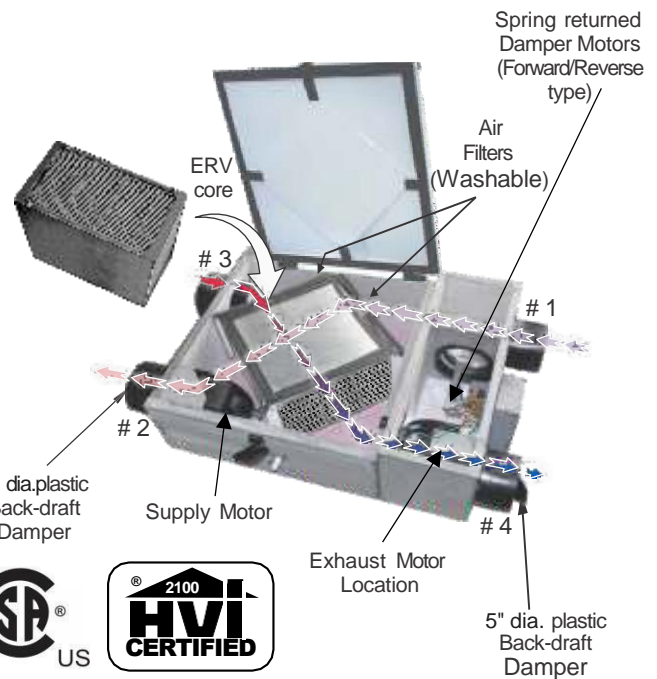
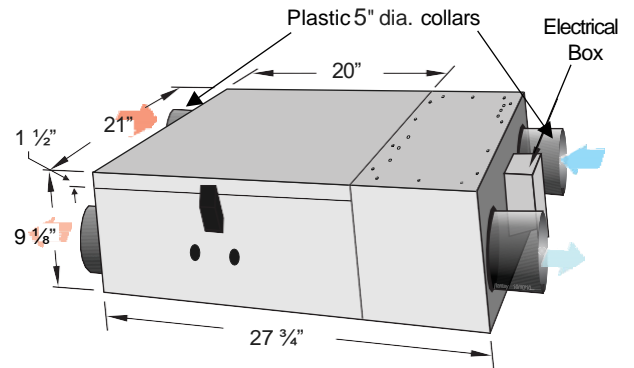




ERV (Enthalpy Core)



INTRODUCING OUR NEW AUTO BALANCE ECM SERIES WITH CONSTANT AIR FLOW TECHNOLOGY **NEW**

Features:

- Power ratings: 115V/ 1 / 60 Hz, 1.60Amp, Standby current is 9W only
- **High efficiency** energy saving permanently lubricated ECM motors (Thermally protected) for continuous operation
- Washable **Enthalpy core** suitable up to -25°C (**Drain-less design**)
- **Tilted core design for maximum efficiency**
- **Fully automatic re-circulating** defrost (below -5°C)
- **Adjustable** 10-Normal (Low Speed) and 10-High Speed operation for constant flow application
- Ideal for horizontal and vertical installations
- Air flow: 30 - 125 CFM (normal operation), 155 CFM maximum
- For homes and suites up to 2000 sq. ft.
- Meets all standards and building codes requirements.
- **Unique** electronic control board allows the unit to return to the last memory mode when power restores after failure
- Furnace / Fan-coil / Heat Pump Interlock
- **Dual Protection:** If for any reason ERV fan failure is detected, the outside fresh-air supply will be closed 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
- App. Weight 50 lbs.
- **2 years warranty** on parts
- **Washable filters**

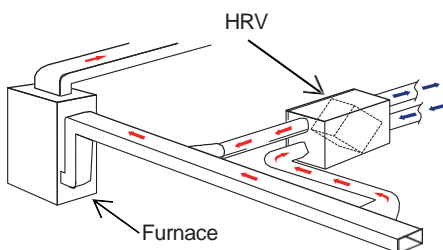
Accessories (Included):

- Mounting brackets (4 Pcs.)
- MERV-4 Washable filters

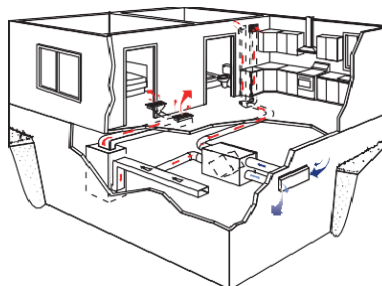
Optional:

- Timer switch 5VDC (Wallmount, up to 4 pcs. max)
- Intermittent switch 5VDC (Wallmount, 1Pc. only)
- 2 sets (Webbing/Brackets/Ladder lock)
- Pipe and "T" connector
- Drain plugs (2 sets)
- MERV-8 & 13 filters

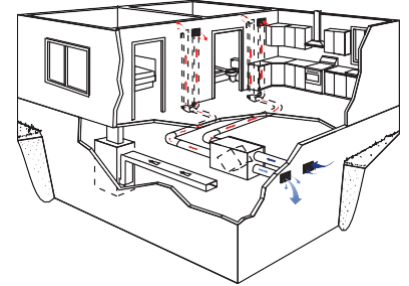
Installation Options for house



Furnace Return Air-duct Connection



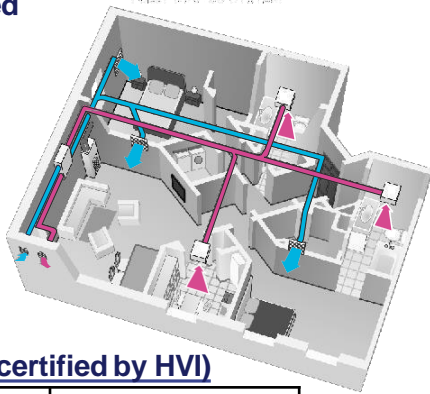
Semi Ducted System



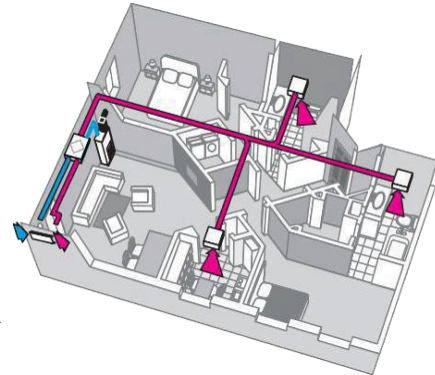
Fully Ducted System

Installation Options for High-Rise Condominium

Fully Ducted System



ERV with Fan Coil System



FRESH AIR
EXHAUSTED AIR

SOUND (Not certified by HVI)

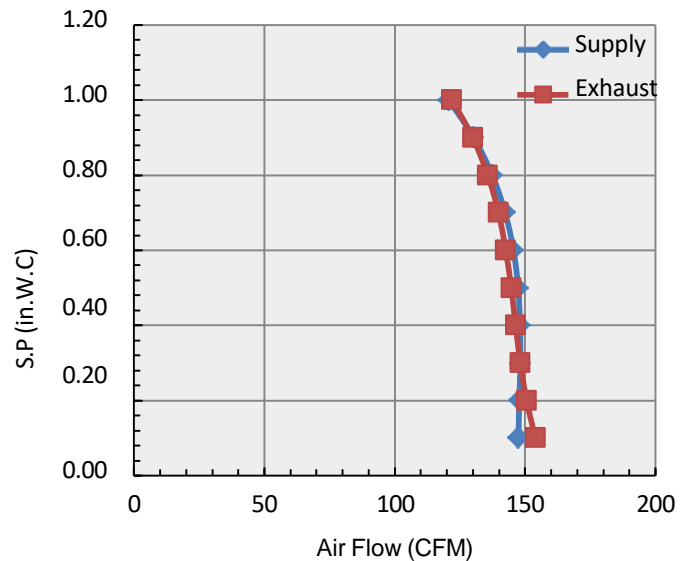
30 (L/s) @0.2 (IN. W.G.) S.P.	1.0 Sones (@50Pa)
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VENTILATION PERFORMANCE

Exhaust static pressure		Net Supply air flow		Gross Air Flow				Power Watts
Pa	in. W.C.	L/s	cfm	Supply		Exhaust		
Pa	in. W.C.	L/s	cfm	L/s	cfm	L/s	cfm	
25	0.1	69	146	69	146	72	153	163
50	0.2	69	146	69	146	71	150	169
75	0.3	69	146	69	146	69	146	173
100	0.4	69	146	69	146	69	146	175
125	0.5	69	146	69	146	68	144	181
150	0.6	68	144	68	144	67	142	181
175	0.7	66	140	67	142	66	140	180
200	0.8	64	136	64	136	64	136	175
225	0.9	61	129	61	129	61	129	163
250	1.0	56	119	57	121	57	121	153
300	1.2	43	91	44	93	46	97	128
350	1.4	24	51	24	51	28	59	82

Note:

- 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

RERV-AB150ECM	Supply Temperature		Net Airflow		Supply/Exhaust Flow Ratio	Average power (Watts)	Sensible Recovery Efficiency	Adjusted Sensible Efficiency	Net Moisture Transfer (%)	
	°C	°F	L/s	scfm						
Heating	I	0	32	30.0	64.0	1.00	33	65.0	68.0	0.59
	II	0	32	34.0	72.0	1.00	38	67.0	70.0	0.57
	III	0	32	45.0	95.0	1.00	58	66.0	70.0	0.54
	IV	0	32	60.0	127.0	1.00	100	64.0	69.0	0.51
	V	-25	-13	33.0	70.0	0.96*	82	57.0	60.0	0.46
Cooling	I	35	95	34.0	72.0	0.99	41	57**		0.59

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

** Indicates Total Recovery Efficiency not Sensible Recovery Efficiency.

Contractor:		RERV-AB150ECM		
Architect:	Job:	Date	Superse.des	Drawing No.
Engineer:	Date Submitted:	04/05/2023		



REVERSOMATIC
MANUFACTURING LIMITED

