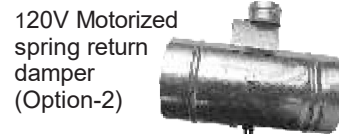
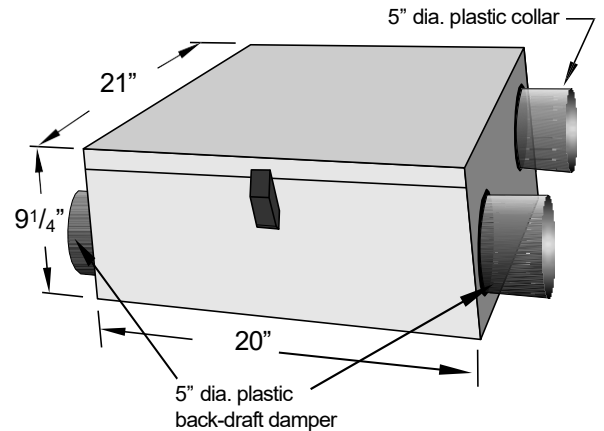




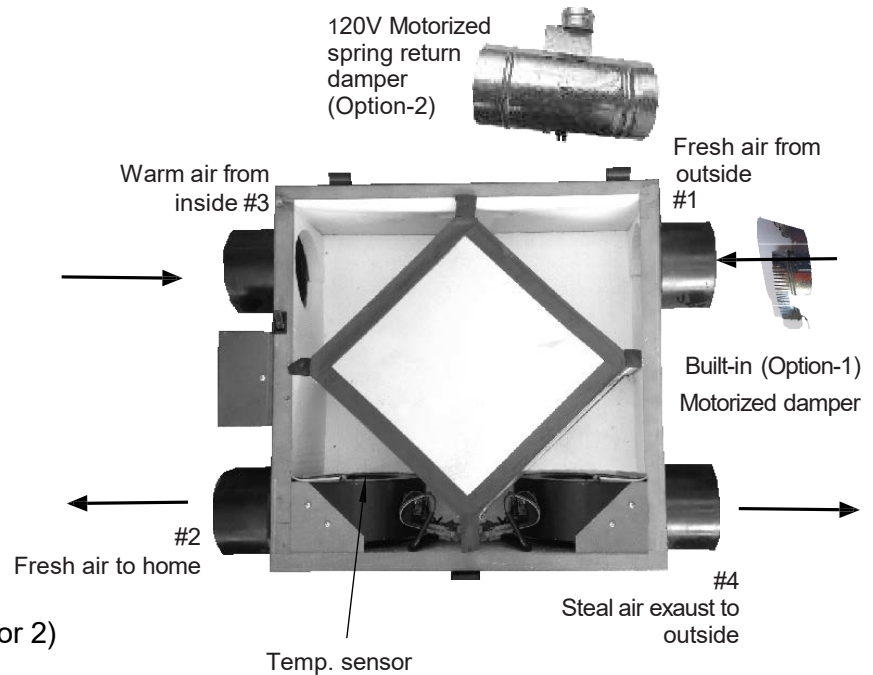
Features

- Over all size 20" (W) x 21" (D) x 9.25" (H)
- Weight approximately 32 lbs.
- Washable high efficiency Dpoint Enthalpy core no drain
- Power ratings: 115V / 1 / 60 Hz, 1.5 Amp
- High efficiency energy savings permanently lubricate PSC motors for air supply
- Fan cycled defrost
- Tilted core design for maximum efficiency
- Washable foam filter
- Suitable for horizontal installation
- 2 years warranty on parts
- Continuous fresh air up to 95 CFM
- Standby current is 7W only
- Mounting brackets are included



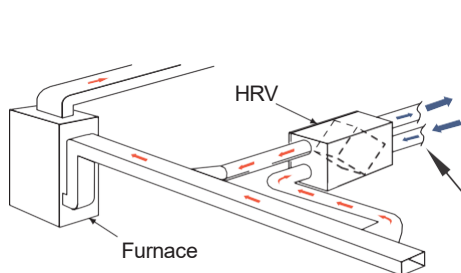
Optional:

- Timer Switch 20/40/60 min.(TC100-5V)
- Intermittent Switch (IC100-5V)
- Time Delay Switch (TC100-120)
- Dehumidistat
- Drain Plug
- Balancing Dampers
- Motorized spring return damper (Option 1 or 2)

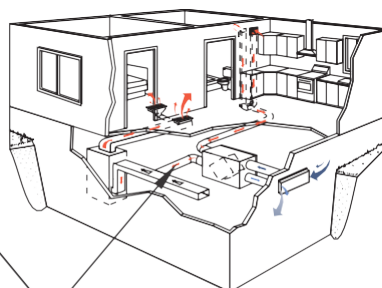


Installation Options for house

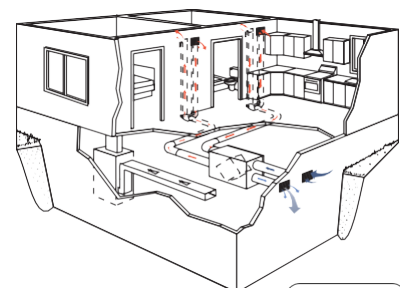
Furnace Return Air-duct Connection



Semi Ducted System



Fully Ducted System



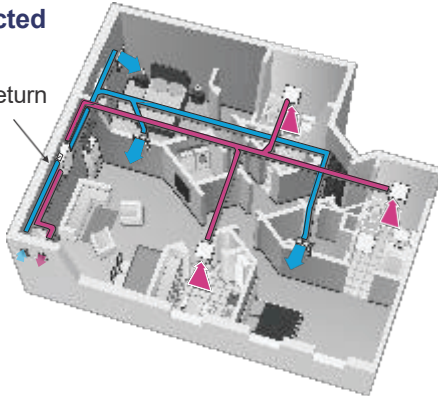
Motorized spring return damper (Highly Recommended)



INSTALLATION OPTIONS FOR HIGH-RISE CONDOMINIUMS

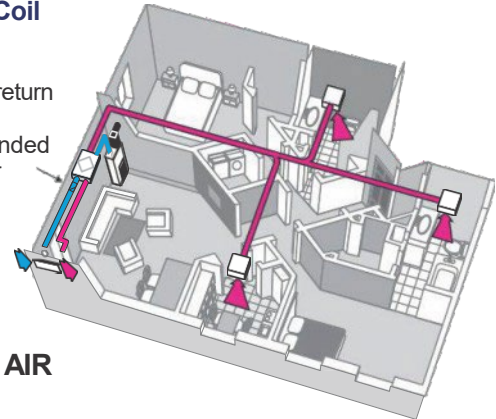
Fully Ducted System

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

SOUND

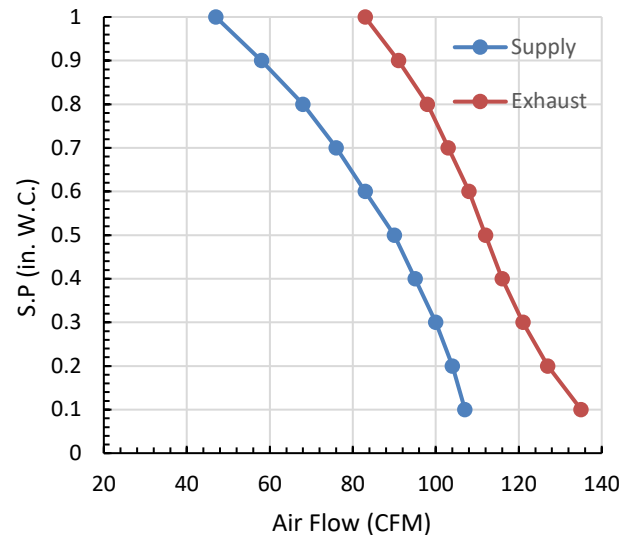
50 CFM @0.2 (IN. W.G.) S.P.	1.4 Sones (@50Pa)
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NOTE

-ERV does not required any drain. However, we recommend to connect ERV to drain in areas where extreme cold weather conditions are expected

VENTILATION PERFORMANCE

Exhaust static pressure	Net Supply air flow	Gross Air Flow				Power		
		Supply		Exhaust				
Pa	in. W.C.	L/s	scfm	L/s	Scfm	L/s	Scfm	Watts
25	0.1	49	103	50	107	64	135	144
50	0.2	47	100	49	104	60	127	140
75	0.3	45	96	47	100	57	121	138
100	0.4	43	92	45	95	55	116	135
125	0.5	41	86	42	90	53	112	133
150	0.6	38	80	39	83	51	108	131
175	0.7	35	73	36	76	49	103	128
200	0.8	31	65	32	68	46	98	121
225	0.9	26	56	27	58	43	91	125
250	1.0	21	45	22	47	39	83	117



ENERGY PERFORMANCE

RERV-C100NF		Supply Temperature		Net Airflow		Supply/Exhaust Flow Ratio	Average power (Watts)	Sensible Recovery Efficiency	Adjusted Sensible Efficiency	Apparent Sensible effectiveness	Net Moisture Transfer (%)
		°C	°F	L/s	scfm						
Heating	I	0	32	31	65	1.02	84	61	70	74	51
	II	0	32	37	79	0.99	104	59	67	70	45
	III	0	32	43	92	1.01	118	57	66	68	50
Cooling	IV	35	95	30	64	1.00	84	42	57	61	35
	V	35	95	44	92	1.01	116	38	52	56	30

Contractor:		RERV-C100NF		
Architect:	Job:	Date	Superse.des	Drawing No.
Engineer:	Date Submitted:	2023/02/24		

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