



REVERSOMATIC
MANUFACTURING LIMITED

Shop Drawing

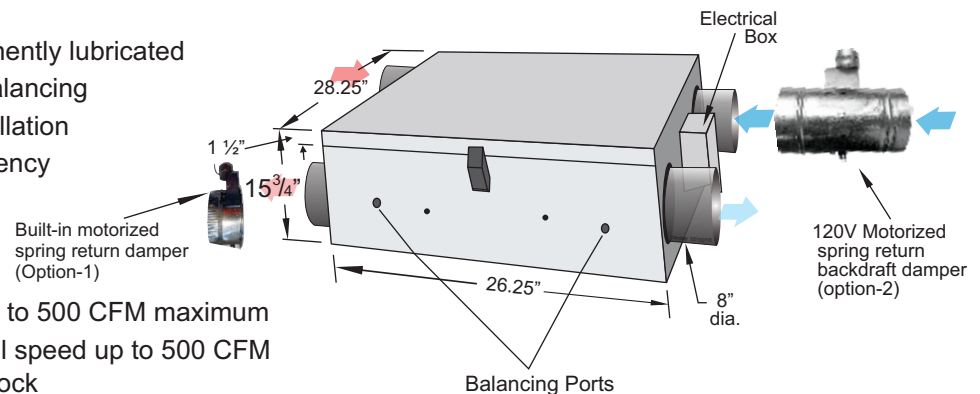
RERV-S500 MAXUM SERIES

MAXUM

(Enthalpy Core)

Features

- Over all size 28.25" (W) x 26.25" (D) x 15.75" (H)
- Power ratings: 115V / 1 / 60 Hz, 5.2 Amp., Standby current is 7W only
- Washable Enthalpy core and Filters
- Drainless design
- High efficiency energy saving permanently lubricated 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 four washrooms
- Suitable for Corridor
- Two Speed exhaust (High / Low) - up to 500 CFM maximum
- Continuous fresh air supply at Normal speed up to 500 CFM
- Furnace / Fan-coil / Heat Pump Interlock
- Dual Protection: If exhaust fan fails, the outside fresh-air supply will be closed by shutting off 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
- In case of power failure, optional motorized spring return damper stops the fresh air intake and prevent core from freezing
- Weight approximately 100 lbs., 2 years warranty on parts

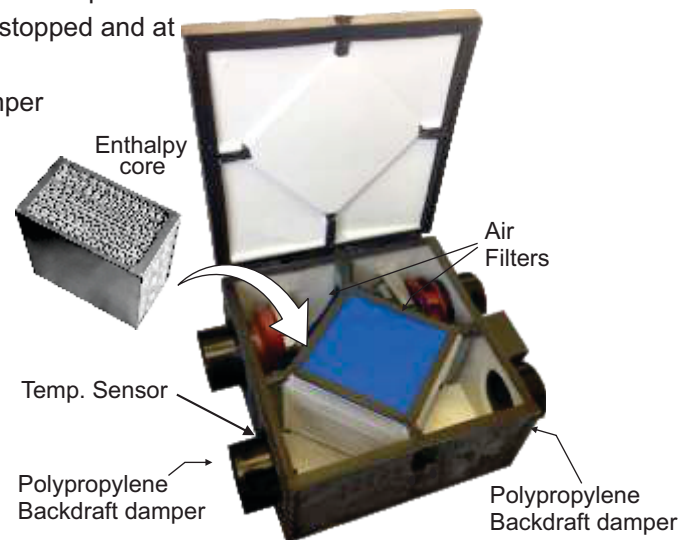


Accessories (Included):

- Mounting brackets and Drain plugs

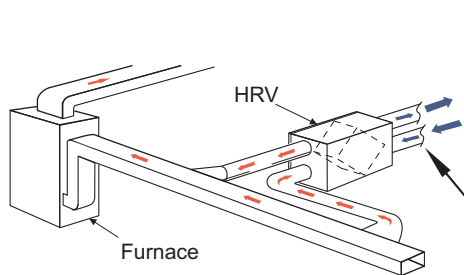
Optional:

- Motorized Damper (120V AC), option 1 & 2
- Dehumidistat
- Pipe and "T" connector
- Time Delay Switch (120V AC)
- 2 sets (Webbing/Brackets/Ladder lock)
- Intermittent Switch (5VDC)
- Push button timer switch (20/40/60 Min., 5VDC)

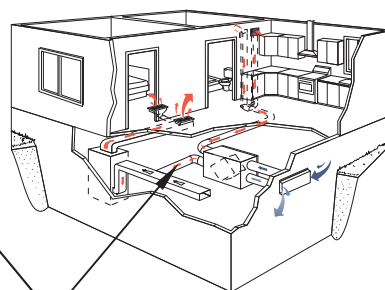


Installation Options for house

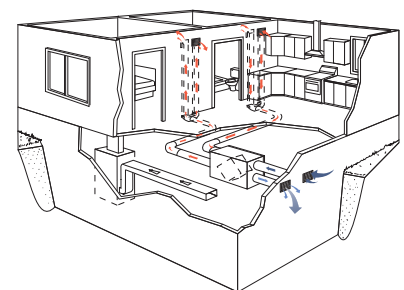
Furnace Return Air-duct Connection



Semi Ducted System



Fully Ducted System



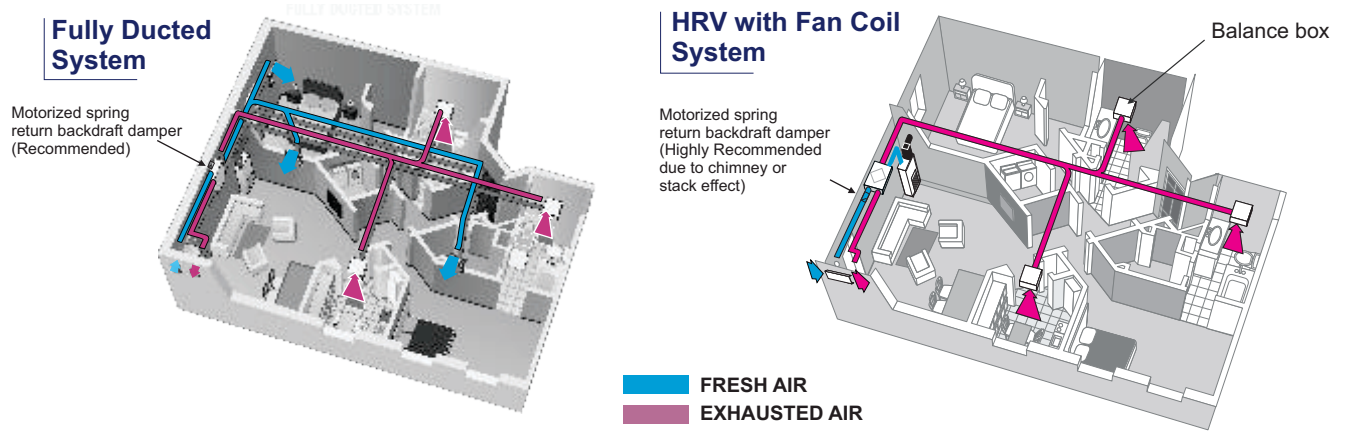
Motorized spring return damper
(Highly Recommended)



Reversomatic Manufacturing Ltd.

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

Installation Options for High-Rise Condominium



VENTILATION PERFORMANCE

Model #	Normal Speed Supply/Exhaust (Constant Ventilation)	High Speed Exhaust (Activated by switch)	Maximum Power Rating 120V / 1 / 60Hz	SOUND:	
RERV-S500	100 ~ 500 CFM variable	100 ~ 500 CFM variable	5.20 Amp.	30 (L/s) @ 0.2 (IN. W.G.)	2.2 sones

*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-S500	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	31	65	1.04	78	74	89	58 %
	ii	0	32	51	107	1.01	106	73	84	54 %
	iii	0	32	69	146	1.05	130	70	82	47 %
	iv	0	32	85	180	0.97	156	68	78	45 %
	v	0	32	126	268	1.02	198	62	72	41 %
	vi	0	32	172	366	1.03	260	55	68	38 %
Cooling	vii	35	95	31	65	1.00	78	56**	76	56 %
	viii	35	95	50	107	0.97	110	51**	75	47 %

** Indicate Total Recovery Efficiency not Sensible Recovery Efficiency

Contractor:		RERV-S500		
Architect:	Job:	Date	Supersedes	Drawing No.
Engineer:	Date Submitted:	05/10/20		Rev. II

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