Softaire by Air Specialities

Shop Drawing

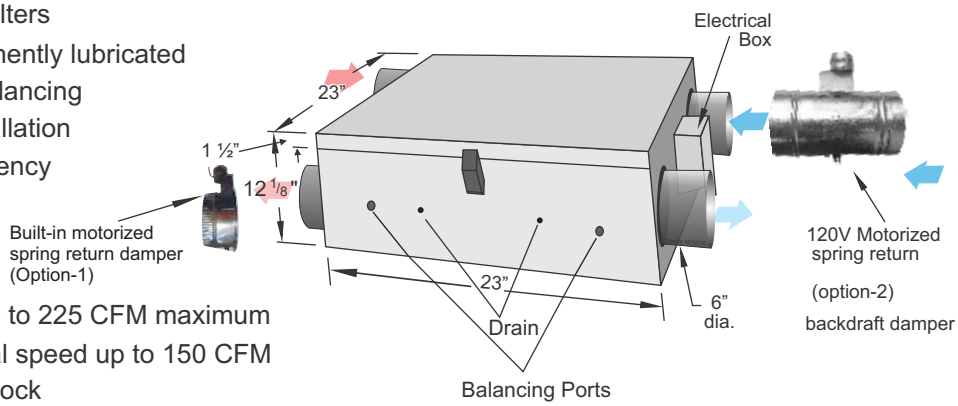
RHRV-S200P

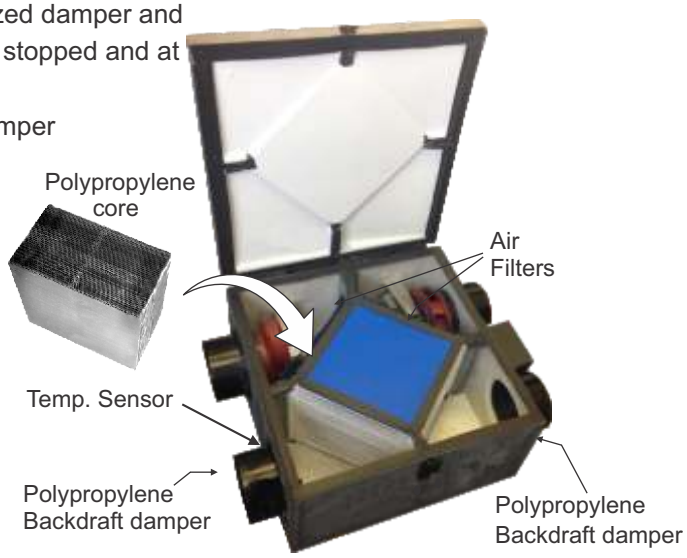
MAXUM

MAXUM SERIES (Polypropylene Core)

Features

- Over all size 23” (W) x 23” (D) x 12.125 ” (H)
- Power ratings: 115V / 1 / 60 Hz, 1.5 Amp., Standby current is 7W only
- Washable Polyoropylene core and Filters
- 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 225 CFM maximum
- Continuous fresh air supply at Normal speed up to 150 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 52 lbs., 2 years warranty on parts





Accessories (Included):

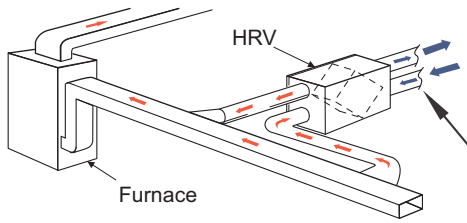
- Mounting brackets and Drain plugs

Optional:

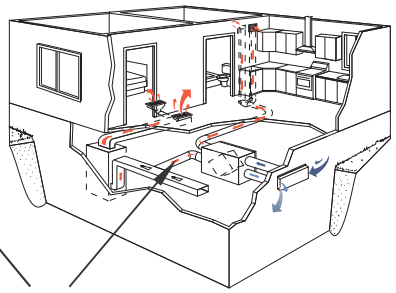
- Motorized Damper (120V AC), option 1 & 2
- Dehumidistat
- Pipe and “T”connector
- Time Delay Switch (120V AC)
- 2 sets (Webbing/Brackets/Ladder lock)
- Intermittent Switch (5VDC)
- Push button timer switch (20/40/60 Min., 5VDC)

Installation Options for house

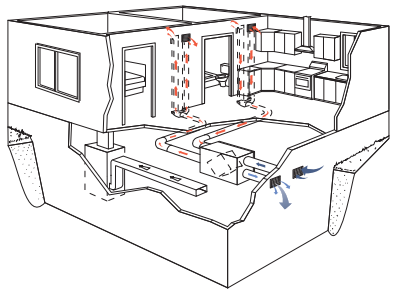
Furnace Return Air-duct Connection



Semi Ducted System



Fully Ducted System



Motorized spring return damper (Highly Recommended)

2100 HVI CERTIFIED

C SP US

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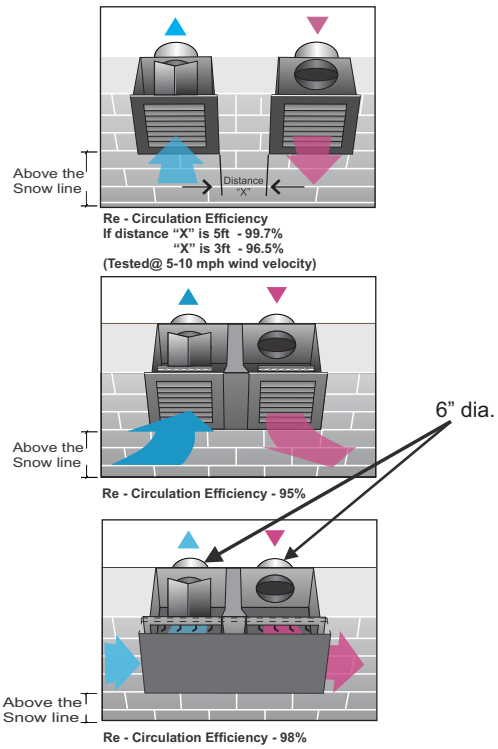
4 Pine Street, Toronto, ON Canada, M9N 2Y8 Tel: 416-247-0045 Fax: 416-247-2012

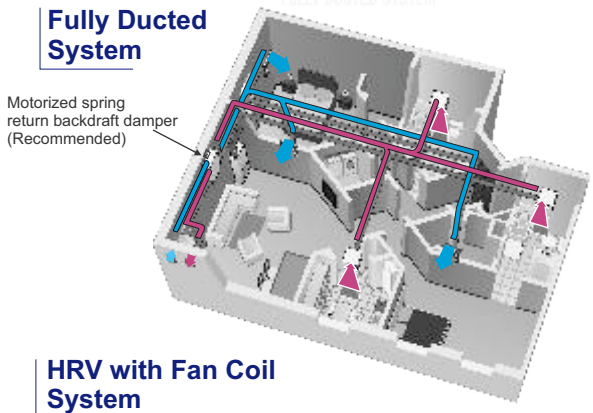
OPTIONAL WALL BOXES



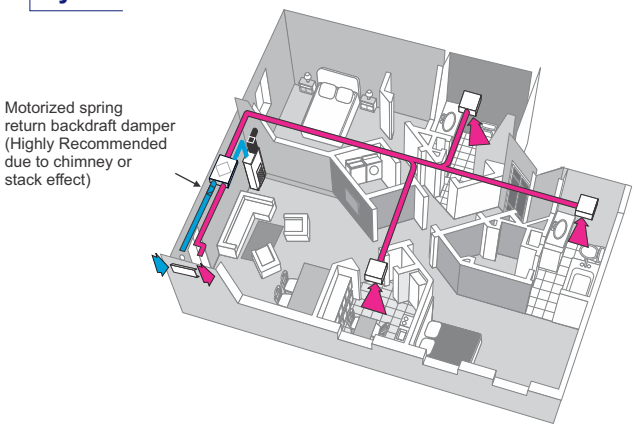
Note: All Vents must be installed min. 5 ft away from sidewalls.

Installation Options for High-Rise Condominium

Fully Ducted System



HRV with Fan Coil System



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.**

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-S200P	50 ~ 150 CFM variable	100 ~ 225 CFM variable	1.50 Amp.

* Normal and high speed can be adjusted by either installer or factory using speed controllers mounted on the main controller of the unit.

SOUND:

30 (L/s) @ 0.2 (IN. W.G.)	1.7 sones (@ 50 Pa)

ENERGY PERFORMANCE

RHRV-S200P		Supply Temperature		Net Airflow		Supply / Exhaust Flow Ratio	Average Power (Watts)	Sensible Revcovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer
		°C	°F	L/S	CFM					
Heating	I	0	32	24	50	1.01	64	72	86	----
	ii	0	32	32	67	1.06	76	71	85	----
	iii	0	32	44	94	1.06	90	69	78	----
	iv	0	32	67	141	1.03	118	65	74	----
	v									
Cooling	vi	35	95							

** Indicate Total Recovery Efficiency not Sensible Recovery Efficiency

Contractor:		**RHRV-S200P**		
Architect:	Job:	Date	Superse.des	Drawing No.
Engineer:	Date Submitted:	08/12/22		Rev. 4

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