



Features

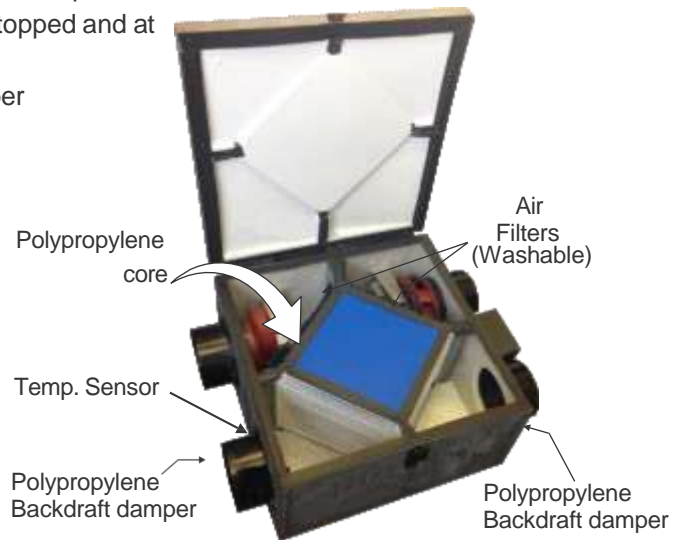
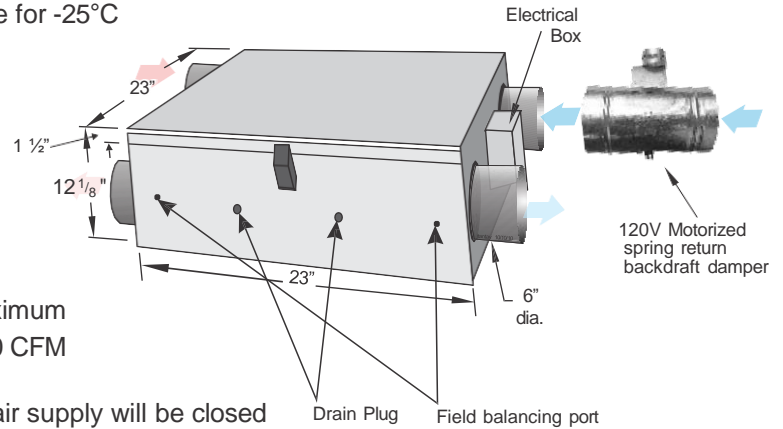
- Over all size 23" (W) x 23" (D) x 12.125" (H)
- Power ratings: 115V / 1 / 60 Hz, 2.5 Amp., Standby current is 7W only
- Washable high efficiency **Polypropylene core** suitable for -25°C
- High efficiency energy saving permanently lubricated variable speed ECM motors for air balancing
- Suitable for 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 250 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 (4 Pcs.)
- Drain Plugs (2 Pcs.)

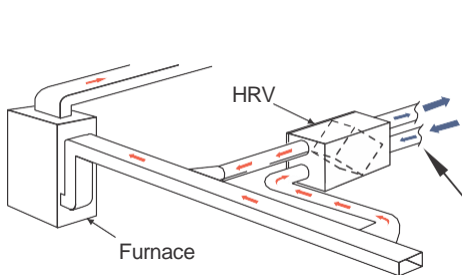
Optional:

- Motorized Damper (120V AC)
- Time Delay Switch (120V AC)
- 2 sets (Webbing/Brackets/Ladder lock)
- Intermittent Switch, 5VDC (IC100-5V)
- Push button timer switch, 20/40/60 Min., 5VDC (TC100-5V)

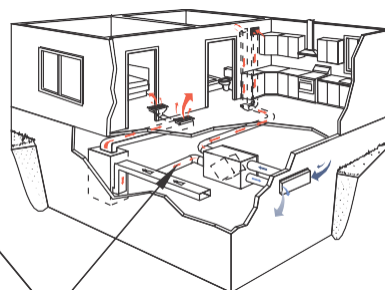


Installation Options for house

Furnace Return Air-duct Connection

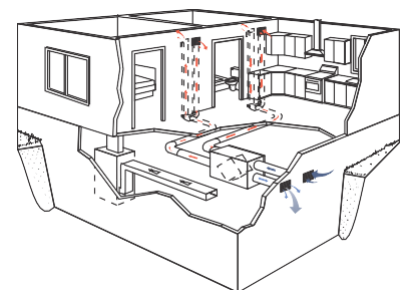


Semi Ducted System



Motorized spring return damper
(Highly Recommended)

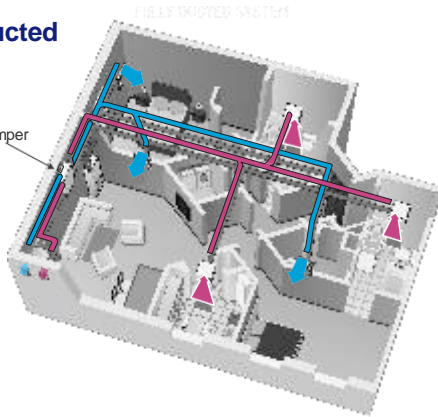
Fully Ducted System



Installation Options for High-Rise Condominium

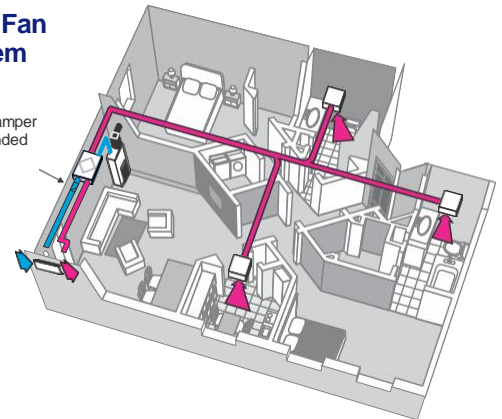
Fully Ducted System

Motorized spring return backdraft damper (Recommended)



HRV 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.

VENTILATION PERFORMANCE

Model #	Normal Speed Supply/Exhaust (Constant Ventilation)	High Speed Exhaust (Activated by switch)	Maximum Power Rating 120V / 1 / 60Hz
RHRV-S200P (ECM)	50 ~ 150 CFM variable	50 ~ 250 CFM variable	2.5 Amp.

SOUND (@ 5ft. away):

30 (L/s) @ 0.2 (IN. W.G.)	1.5 sones (@ 50 Pa)
85 (L/s) @ 0.2 (IN. W.G.)	3.0 sones (@ 50 Pa)

ENERGY PERFORMANCE

RHRV-S200P (ECM)		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	75	77	87	1 %
	ii	0	32	69	146	1.05	125	73	80	0 %
	iii	0	32	85	180	0.97	148	69	78	0 %
	iv									
Cooling	vi	35	95	31	65	1.00	75	50**	70	0 %
	vii	35	95	50	107	0.97	101	48**	67	0 %

** Indicate Total Recovery Efficiency not Sensible Recovery Efficiency

Contractor:		RHRV-S200P(ECM)		
Architect:	Job:	D.ate	Superse.des	Drawing No.
Engineer:	Date Submitted:	02/02/23		

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