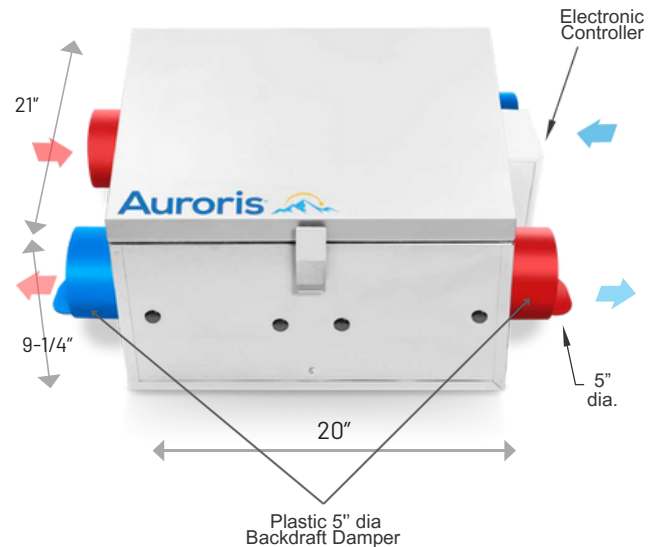


Features

- **High Efficiency Permanently Lubricated Variable Speed (PSC) Motors.**
- **Tilted core design for maximum efficiency Constructed using UL certified sound insulation.**
- **The Quietest in its class**
- **Military Grade Specification: constructed using heavy gauge steel, welded joints, individually powder coated**
- **Over all size 20" (W) x 21" (D) x 9 1/4" (H), App. weight 32 lbs**
- Continuous fresh air supply up to 80CFM
- Power Ratings: 115V/1/60 Hz, .75Amp., Standby 7 W
- Automatic non-recirculating defrost (fan cycled)
- Exhaust up to two washrooms
- 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 interlock will be opened. Fan Coil/ Furnace low speed will be stopped and at normal operation, no air will enter into the system
- Washable MERV - 3/4 filters
- Filters Furnace / Fan-coil / Heat Pump Interlock Dual
- Ideal for horizontal and vertical installation
- **Meets All LEED Standards and Building Code Requirements**
- **SMART IAQ™ Enabled**
- **5 Year Limited Warranty**



Accessories (Included):

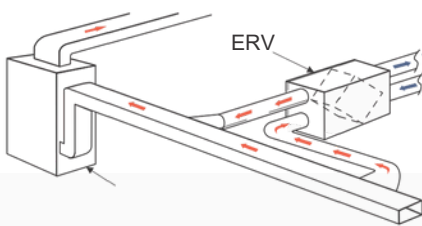
- Webbing Installation Kit or 4 PS Mounting brackets

Optional:

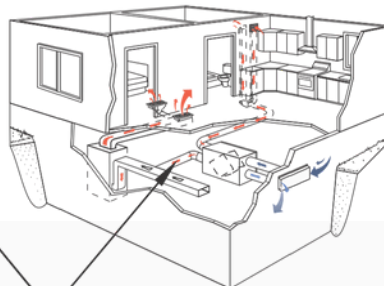
- Intermittent Switch, 5VDC
- Smart IAQ™ Controller
- Time Delay Switch (5VDC or 120VAC)
- Built-in Motorized Spring Return Damper (option-1)
- Motorized Spring Return Backdraft Damper (option-2)

Residential Installation Options:

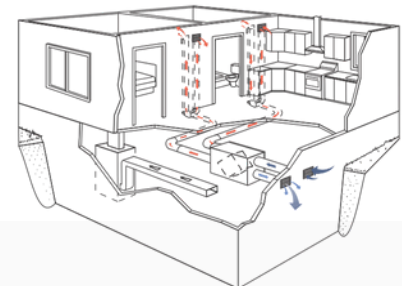
Furnace Return Air-duct Connection



Semi Ducted System



Fully Ducted System



**Motorized spring return damper
(Highly Recommended)**



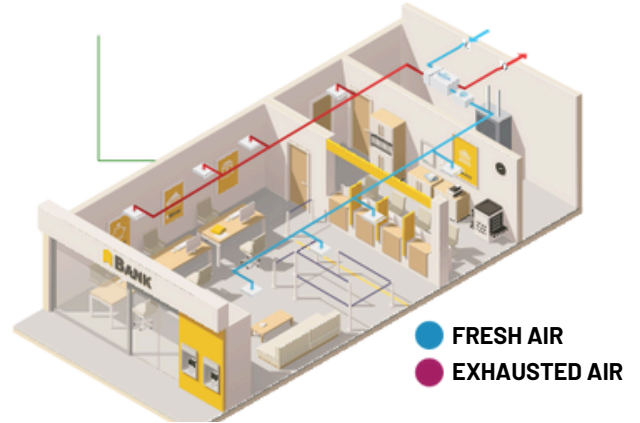
Fully Ducted System



ERV with Fan Coil System



Installation options for Indoor Air Quality/Safety



SOUND:*

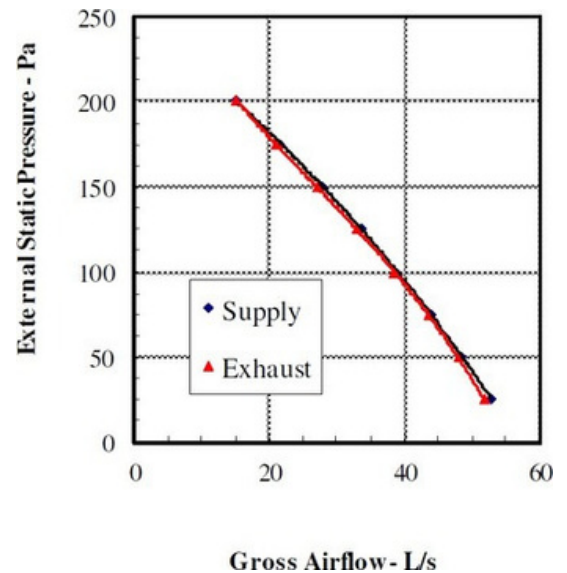
48 (L/s) @ 0.2 (IN. W.G.)	1.4 sones (@ 50 Pa)
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VENTILATION PERFORMANCE

Static Pressure		Net Supply air flow		Gross Air Flow				Power*
Pa	in. W.C.	L/s	cfm	Supply		Exhaust		Watts
25	0.1	52	110	52	111	51	109	68
50	0.2	48	101	48	102	48	101	68
75	0.3	43	92	43	93	43	92	68
100	0.4	38	81	38	82	38	81	67
125	0.5	33	70	33	71	32	69	67
150	0.6	27	58	27	59	27	57	65
175	0.7	21	45	21	46	21	44	64
200	0.8	15	31	15	32	15	32	63

NOTE: FAN CURVE PERFORMED ON THE HIGHEST SPEED

FAN CURVE*



ENERGY PERFORMANCE

RERV-C100		Supply Temperature		Net Airflow		Average Power (Watts)	Sensible Recovery Efficiency	Adjusted Sensible Recovery Efficiency	Net Moisture Transfer
		°C	°F	L/s	CFM				
Heating	I	0	32	31	67	46	78%	83%	54%
	II	0	32	36	76	52	76%	81%	52%
	III	0	32	43	92	64	74%	79%	49%
Cooling	IV	35	95	32	67	50	66%**	69%**	67%

** Indicates total recovery efficiency not sensible recovery efficiency*

*Sound, fan curve and power of ventilation performance are not certified by HVI.

