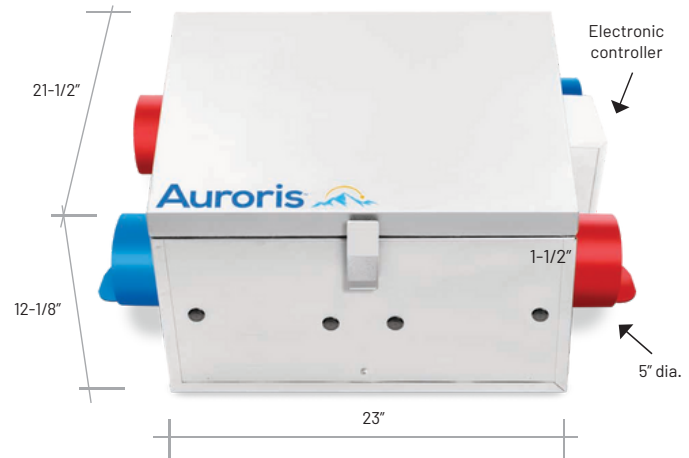


Features

- **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**
- 23" (W) x 21.50" (D) x 12.125" (H)
- 115V / 1 / 60 Hz, 1.1 Amp., Standby current is 2W only
- Washable Polypropylene Core and Filters
- Suitable for horizontal & vertical installation
- Automatic fan cycled defrost
- Exhaust up to three washrooms
- Two Speed exhaust (High / Low) - up to 174 CFM maximum
- Continuous fresh air supply at Normal speed up to 174 CFM
- Furnace / Fan-coil / Heat Pump Interlock
- Dual Power Failure / Freeze Protection
- Weight approximately 60 lbs.
- Horizontal & Vertical Installation
- Meets All Standards and Building Code Requirements
- **SMART IAQ™ Enabled**
- **5 Year Limited Warranty**



Accessories (Included):

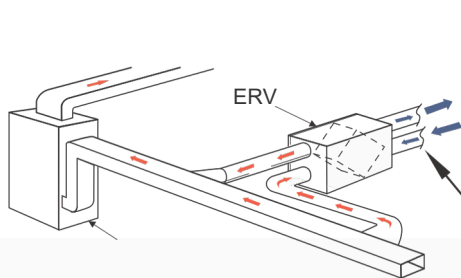
- Webbing Installation Kit or 4 PS Mounting brackets
- Drain Plugs (2 Sets)

Optional:

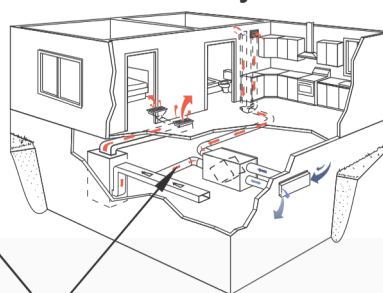
- Intermittent Switch, 5VDC (IC100-5V)
- Smart IAQ™ Controller
- Push button timer switch (20/40/60 Min., 5VDC)
- Motorized Damper (120V AC), option 1 & 2
- 2 sets (Webbing/Brackets/Ladder lock)
- Dehumidistat

Residential Installation Options:

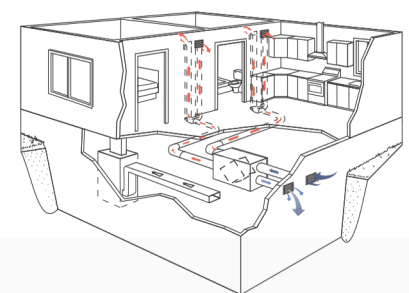
Furnace Return Air-duct Connection



Semi Ducted System



Fully Ducted System



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



Fully Ducted System



HRV with Fan Coil System



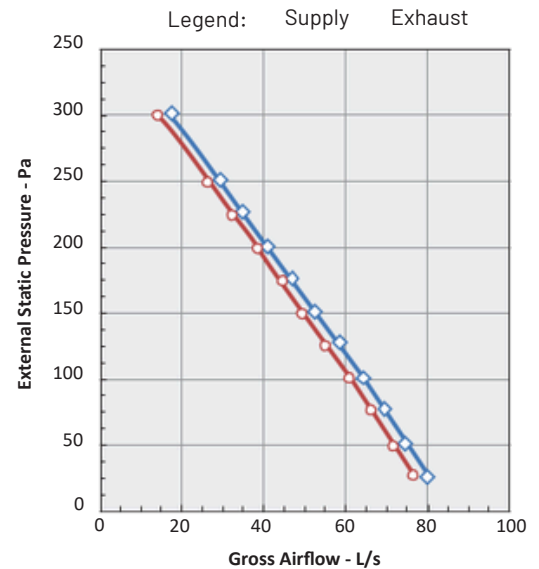
Installation options for Indoor Air Quality/Safety



Ventilation Performance

External Static Pressure		Net Supply Airflow		Gross Airflow				Power
Pa	in. W.C.	L/s	scfm	Supply		Exhaust		Watts
				L/s	scfm	L/s	scfm	
25	0.1	79	167	79	168	77	163	106
50	0.2	74	157	74	158	72	152	105
75	0.3	68	145	69	146	66	141	105
100	0.4	63	134	63	135	61	130	105
125	0.5	57	122	58	123	56	119	104
150	0.6	52	110	52	110	50	107	103
175	0.7	46	98	46	98	44	95	102
200	0.8	40	85	40	86	39	82	101
225	0.9	34	73	34	73	33	70	99
250	1	28	61	29	61	27	57	97
300	1.2	17	37	17	37	14	31	92

Note: Fan curve performed on high-speed



Energy Performance

		Supply Temperature		Net Airflow		Average Power (Watts)	Sensible Recovery Efficiency	Adjusted Sensible Recovery Efficiency	Net Moisture Transfer
		°C	°F	L/s	scfm				
Heating	i	0	32	30	64	63	82%	89%	1%
	ii	0	32	42	89	77	82%	89%	1%
	iii	0	32	55	117	92	80%	86%	1%
	iv	-25	-13	30	63	63	65%	67%	1%
	v								

*Sound and Fan Power are not certified by HVI.

**Indicate the Supply/Exhaust flow ratio at 22 C prior to the start of the 72 Hour cold weather test.

