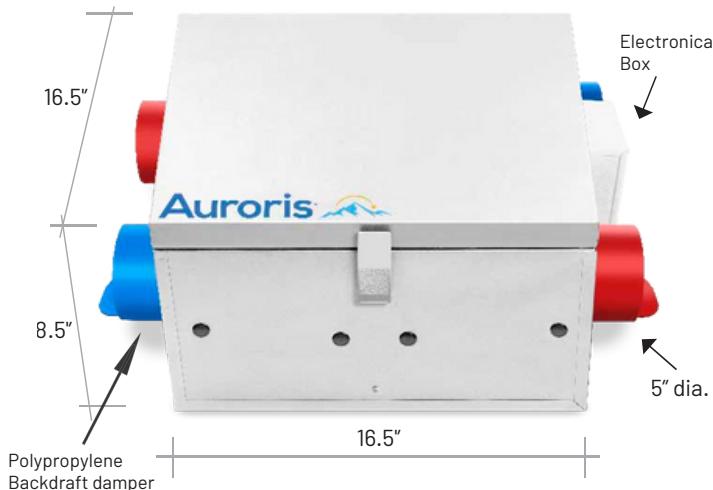


## Features

- **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 16.5" (W) x 16.5" (D) x 8.5" (H)
- Continuous fresh air supply up to 60 CFM
- Power Ratings: 115V / 1 / 60 Hz, 0.75 Amp., Standby 2 W
- Automatic fan cycled defrost
- Exhaust up to two washrooms ,Exhaust up to 110 CFM.
- Continuous fresh air supply up to 20-70 CFM
- Optional motorized spring return damper in case of power failure,
- Washable Polypropylene core and Filters
- Furnace / Fan-coil / Heat Pump Interlock
- Dual Failsafe Protection
- Horizontal & Vertical Installation
- Meets All Standards and Building Code Requirements
- **SMART IAQ™ Enabled**
- **5 Year Limited Warranty**



### Accessories (Included):

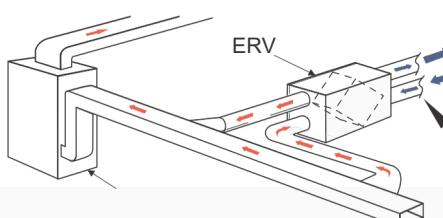
- Webbing Installation Kit or 4 PS
- Mounting brackets
- Drain Plugs(2 Sets)

### Optional:

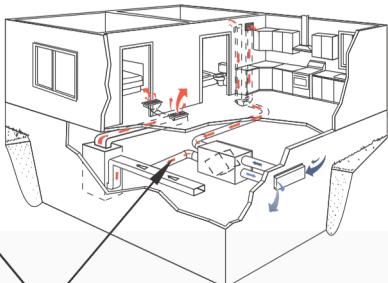
- Time Delay Switch (5VDC or 120VAC)
- Smart IAQ™ Controller
- Intermittent Switch, 5VDC (IC100-5V)
- Push button timer switch (20/40/60 Min., 5VDC)
- Motorized Damper (120V AC), option 1 & 2
- Dehumidistat

### Residential Installation Options:

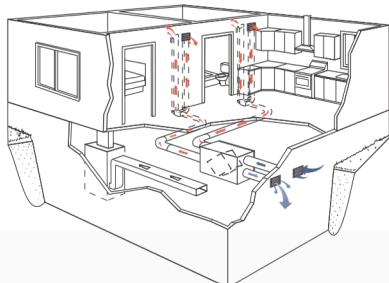
Furnace Return Air-duct Connection



Semi Ducted System



Fully Ducted System



Motorized spring return damper  
(Highly Recommended)

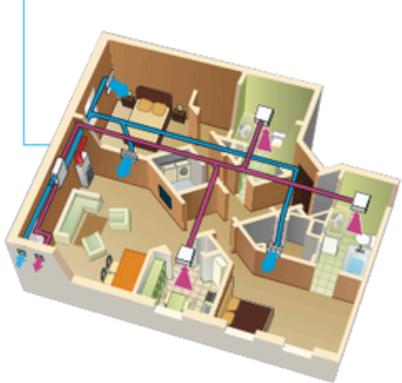


# SOLAS™ HRV by



# Model: HSM-80 Specifications

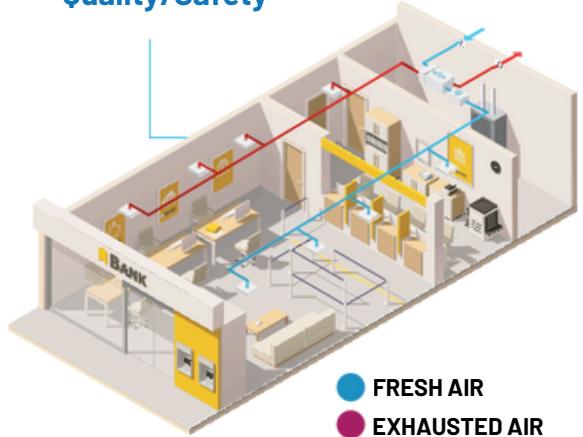
## Fully Ducted System



## HRV with Fan Coil System



## Installation options for Indoor Air Quality/Safety

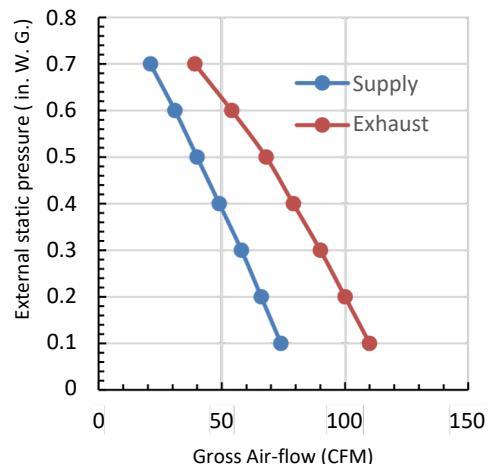


● FRESH AIR  
● EXHAUSTED AIR

## VENTILATION PERFORMANCE

External Static		Net Supply		Gross Air Flow				Power
				Supply		Exhaust		
Pa	in.w.c.	L/s	scfm	L/s	scfm	L/s	scfm	W atts
25	0.1	34	73	35	74	52	110	59
50	0.2	31	65	31	66	47	100	58
75	0.3	27	57	27	58	42	90	59
100	0.4	23	49	23	49	37	79	58
125	0.5	19	40	19	40	32	68	57
150	0.6	14	31	14	31	25	54	56
175	0.7	10	21	10	21	18	39	54

NOTE: FAN CURVE PERFORMED ON HIGHEST SPEED



## ENERGY PERFORMANCE

HSM-80		Supply Temperature		Net Airflow		Average power (Watts)	Sensible Recovery Efficiency	Adjusted Sensible Efficiency	Net Moisture Transfer (%)
		°C	°F	L/s	scfm				
Heating	I	0	32	18.0	38.0	32	68%	73%	0 %
	II	0	32	24.0	51.0	38	63%	68%	0 %
	III	0	32	30.0	64.0	45	59%	64%	0 %

\*Sound and Fan Power are not certified by HVI.

