

Features

- High efficiency energy saving permanently lubricated variable speed PSC motors for air balancing
- 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**
- **Overall size 20" (W) x 21" (D) x 91/8" (H), App. weight 35 lbs.**
- Continuous fresh air supply up to 100 CFM
- Power Ratings: 115V / 1 / 60 Hz, .7 Amp., Standby 7 W
- Automatic non-recirculating defrost
- Optional motorized spring return damper in case of power failure,
- Washable Polypropylene core and MERV - 3/4 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**



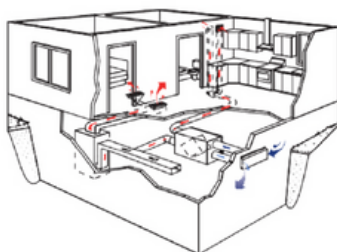
Accessories (Included):

- Mounting brackets

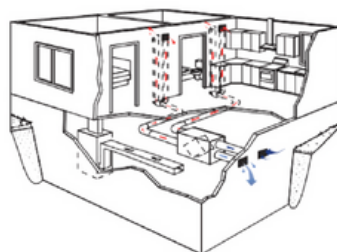
Optional:

- Built-in Motorized Spring Return Damper (option-1)
- Motorized Spring Return Backdraft Damper (option-2)
- Dehumidistat
- Pipe and "T" connector
- Time Delay Switch (5VDC or 120VAC)
- 2 sets (Webbing/Brackets/Ladder lock)
- Intermittent Switch (5VDC)

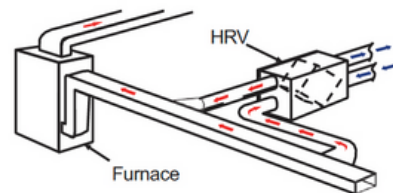
Residential Installation Options:



Fully Ducted System



Semi Ducted System



Furnace Return Air-duct Connection



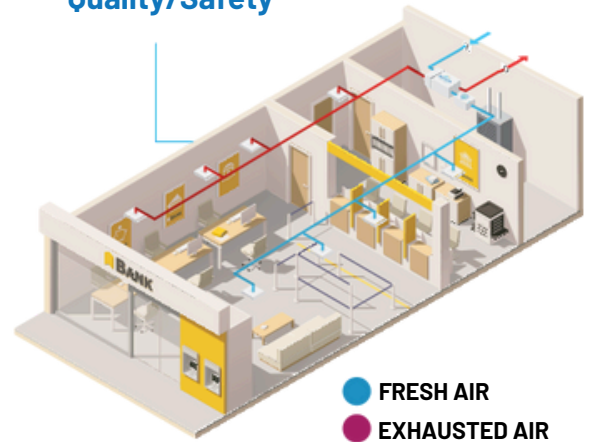
Fully Ducted System



HRV with Fan Coil System



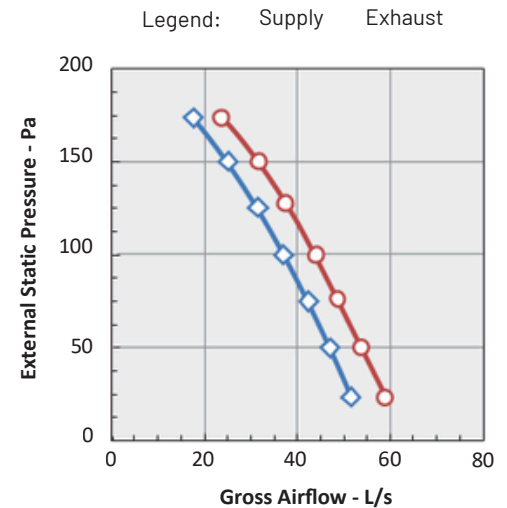
Installation options for Indoor Air Quality/Safety



Ventilation Performance

External Static Pressure	Net Supply Airflow	Gross Airflow				Power		
		Supply		Exhaust				
25	in. W.C.	L/s	scfm	L/s	scfm	L/s	scfm	Watts
50	0.1	50	106	50	106	58	123	62
75	0.2	45	95	46	97	53	112	62
100	0.3	41	87	41	87	48	102	62
125	0.4	36	76	36	76	43	91	61
150	0.5	30	64	30	64	38	81	61
175	0.6	24	51	24	51	31	66	60
	0.7	17	36	17	36	23	49	58

NOTE: FAN CURVE PERFORMED ON THE HIGHEST SPEED



Energy Performance

HSC-100		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	41	77%	82%	0
	ii	0	32	35	74	46	75%	79%	0
	iii	0	32	40	86	62	72%	77%	0
	iv	0	32	45	95	62	71%	75%	0
	v	-25	-13	30	64	42	58%	60%	0

* Sound and Fan Power are not certified by HVI.

