

DESCRIPTION

VENTS' ERV 80 R are the complete whole house ventilation system designed to bring a continuous supply of fresh air into the house while exhausting an equal amount of stale air.

Five year warranty.

CASING

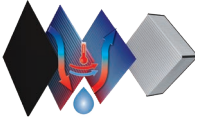
- Steel casing is covered with high-quality multilayer aluminium and zinc alloy to prevent corrosion.
- The casing is equipped with a switch to turn the ventilator off when the service panel is opened.

AIR FILTRATION

- Washable MERV 6 air filters in exhaust and supply air streams.
- Optional supply: MERV 13 supply filter.

ENERGY RECOVERY CORE

Enthalpic core provides both heat&humidity recovery. For enthalpic core no drain required.



FANS

The unit is equipped with supply and exhaust centrifugal fans with backward curved blades and build-in thermal overheating protection with automatic restart. The electric motors and impellers are dynamically balanced.

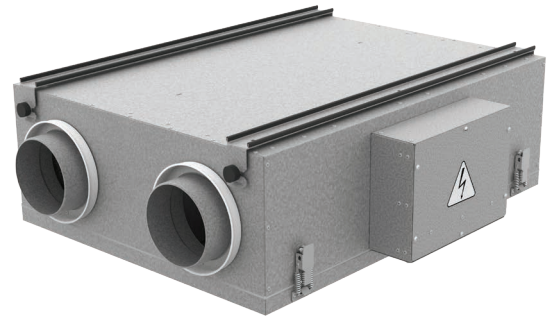
DEFROST SYSTEM

Recirculation or only exhaust defrost modes are available.

CONSTANT FLOW

Frigate ERV 80 R CF has an automatic constant air flow control function to keep the air flow in supply and exhaust air ducts constant even in case of variable air resistance.

This function is provided with the integrated air flow control units. The electronic sensors convert the actual air flow to the analogue signal that is proportional to the air flow in the air duct. These signals are



transmitted to the controller that controls the rotation speed of a respective fan in such a way that the actual rotations speed is equal to the set value.

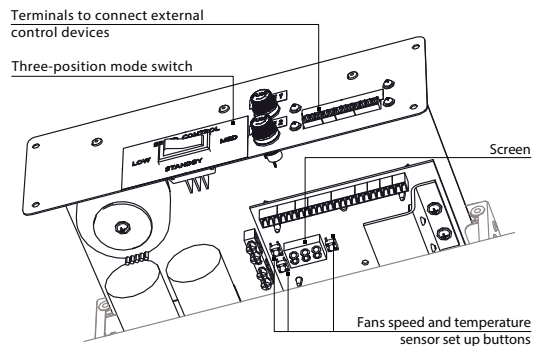
MANUAL BALANCING

Manual balancing is a standard balancing system. Fan speed manually adjusted by operating on units controller (Built-in control panel with independent fan speed adjustment 0%-100%).

CONTROL BOARD

The unit incorporates an integrated control system with following functions:

- Operation mode switch.
- Airflow balancing enabled by supply and exhaust fan independent speed adjustment from 0 to 100% (percentage is displayed on built in screen).
- Automatic recovery core frost protection.
- External control device connection (up to 5 at the same time).



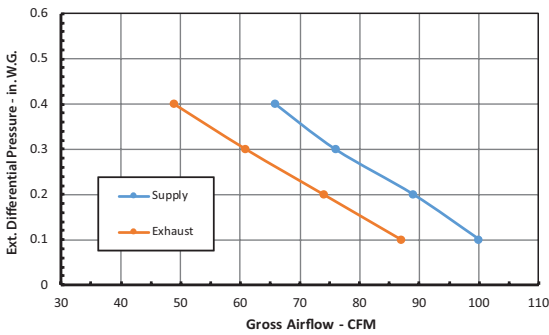
SUITABLE FOR:

Bathroom / kitchen / apartments / cottages / small offices.

PERFORMANCE

EXTERNAL STATIC PRESSURE		NET SUPPLY AIR FLOW		GROSS AIR FLOW				POWER*
				SUPPLY		EXHAUST		
Pa	in. W.G.	L/s	CFM	L/s	CFM	L/s	CFM	Watts
25	0.1	44	93	47	100	41	87	69
50	0.2	39	83	42	89	35	74	69
75	0.3	34	72	36	76	29	61	68
100	0.4	29	61	31	66	23	49	67

* - not HVI-certified



SOUND*
1.4 Sones (30 L/s @ 0.2 in. W.G.)

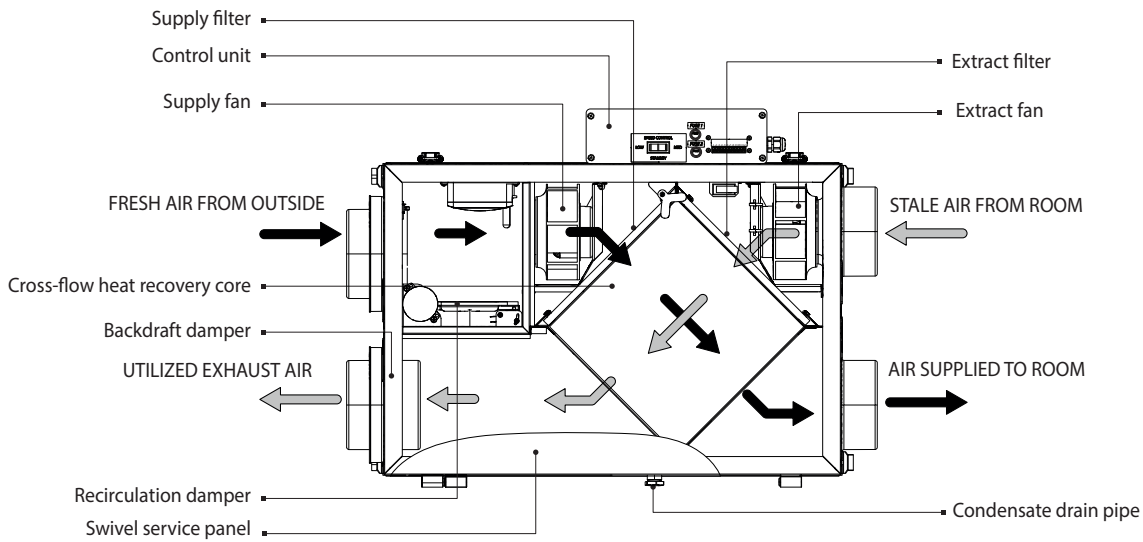
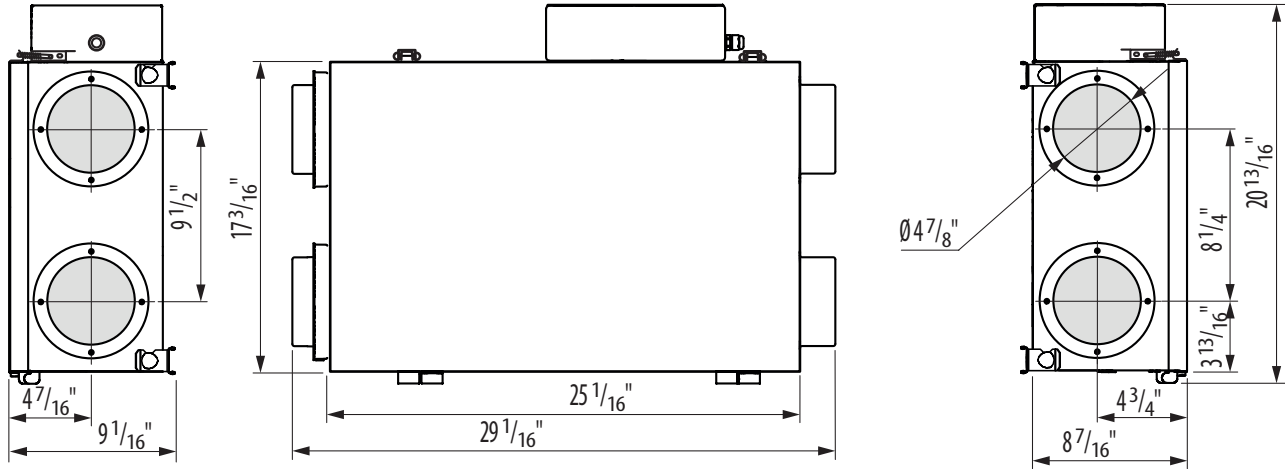
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Temp Mode	Supply Temp (°C)	Supply Temp (°F)	Net Airflow (L/s)	Net Airflow (CFM)	Watts	SRE	ASRE	Latent Recovery/Moisture Transfer	TRE*	ATRE*	VLTVR Supply	VLTVR Exhaust	Very Low Temp Airflow Imbalance
HEATING	0	32	19	40	40	65	72	0.52					
HEATING	0	32	22	47	46	63	69	0.53					
HEATING	-25	-13	24	51	64	41	43	0.34			8	42.6	144
COOLING	35	95	23	49	50			0.43	45	50			

* Indicates total recovery efficiency, not sensible recovery efficiency

MODEL	QUANTITY	COMMENTS	PROJECT
			location:
			architect:
			engineer:
			contractor:
			submitted by:

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 Fax: 513-268-4597 VentsUS.com
 400 Murray Rd,
 Cincinnati, OH 45217


DIMENSIONS


MODEL	QUANTITY	COMMENTS	PROJECT
			location:
			architect:
			engineer:
			contractor:
			submitted by: