

InspirAIR® Compact Heat and Energy Recovery

Multi-Family HRV/ERV



High-Profile Performance

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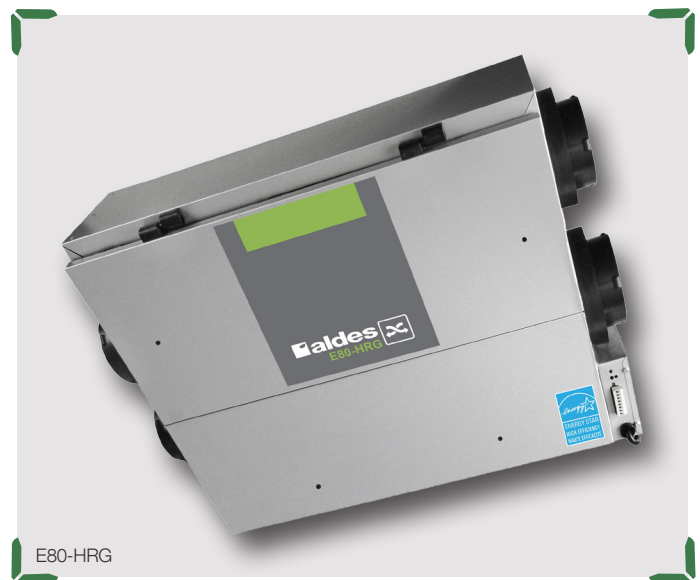
Low-Profile Design

Small spaces demand smart technology. Aldes **InspirAIR®** Compact Heat and Energy Recovery Ventilators (HRV/ERV) fit neatly into condos, apartments, and other multi-family dwellings. These units improve indoor comfort and reduce the building's energy use.

InspirAIR® Compact – 80 Models **NEW!**

Product Details

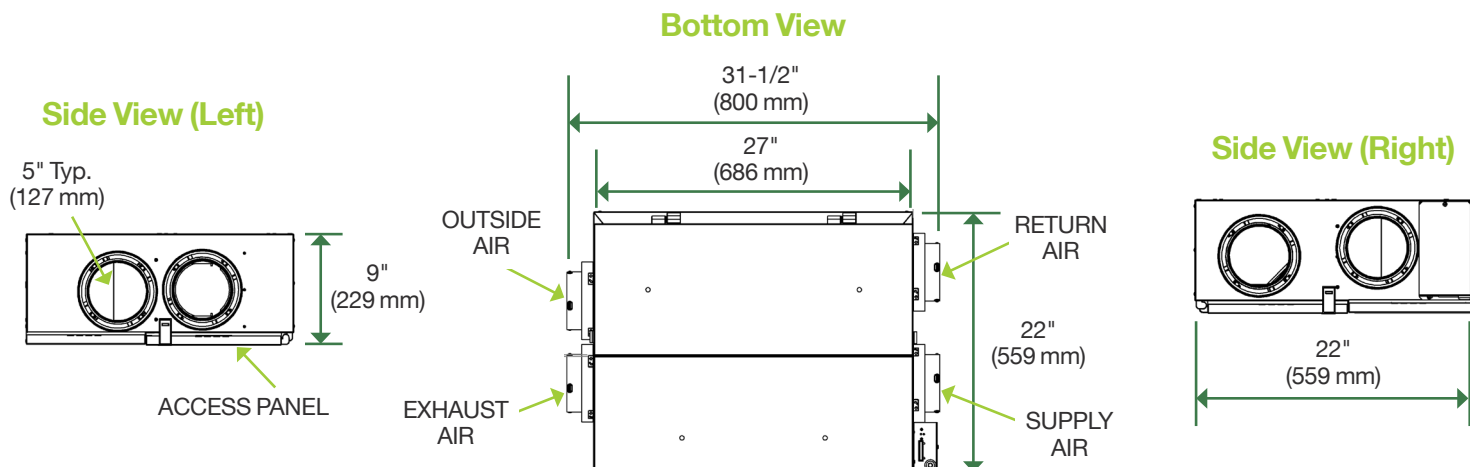
- Rated for 73 CFM (H80-HF) and 74 CFM (E80-HF and E80-HRG) at 0.2 in. w.g.
- Durable polypropylene core (H80-HF) or high-latent-transfer enthalpy core (E80-HF and E80-HRG)
- Horizontal configuration for flexible installation
- Up to 70% sensible recovery efficiency (H80-HF) and 73% sensible recovery efficiency (E80-HF and E80-HRG), a great choice for LEED-certified buildings
- Hassle-free balancing using the balancing chart, pressure taps in the door, and the independently adjustable supply and exhaust blowers
- Pressure-neutral cold climate frost protection using warm recirculated air (E80-HRG)
- Unique compact door allows easy access to the washable MERV 6 filters
- All models are HVI Certified and ETL Safety Listed
- E80-HRG is ENERGY STAR® Qualified (Canada)



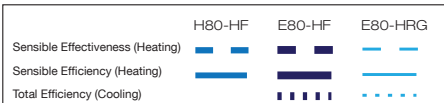
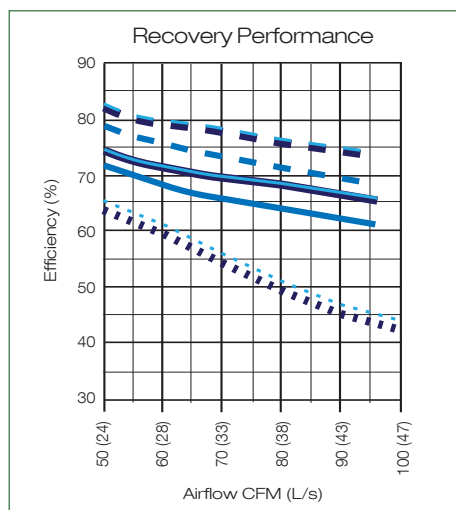
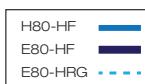
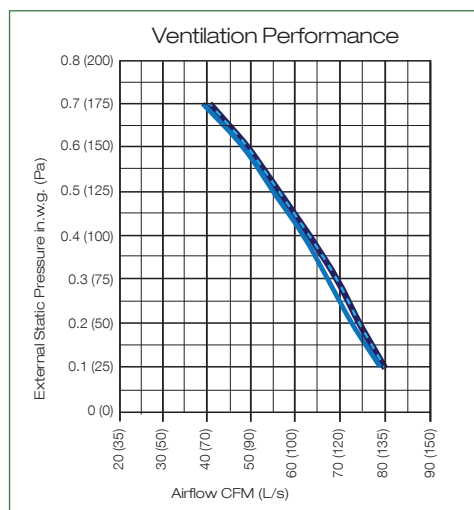
Key Features

- Exclusive free cooling economizer mode reduces the need for air conditioning in the spring and fall (E80-HRG)
- Compact size (a mere 9" tall) permits installation in tight spaces
- EvacMAX™ for on-demand maximum boost ventilation
- FLEXControl electronically balances airflow circuits for simple, accurate installation
- No drain required with Aldes' high-latent-transfer HLT crossflow ERV technology

Dimensions



Performance



*E80-HRG only

HVI CERTIFIED RECOVERY PERFORMANCE

MODEL	H80-HF			E80-HF			E80-HRG				
Outside Air Temp.	Heating			Heating			Cooling			Heating	
	32°F (0°C)			32°F (0°C)			95°F (35°C)			32°F (0°C)	-13°F (-25°C)
CFM (L/s)	56 (26)	65 (30)	80 (38)	55 (26)	67 (32)	80 (38)	49 (23)	56 (26)	65 (30)	80 (38)	56 (26)
Sensible Recovery Efficiency	70%	67%	64%	73%	70%	68%	--	73%	70%	68%	62%
Apparent Sensible Effectiveness	76%	74%	72%	80%	78%	76%	74%	81%	79%	77%	78%
Latent Recovery/Moisture Transfer	--	--	--	61%	59%	55%	66%	63%	60%	56%	64%
Total Recovery Efficiency	--	--	--	--	--	--	64%	--	--	--	65%

FREE COOLING ECONOMIZER MODE SPECIFICATIONS - E80-HRG

Bypass Damper	Temperature Indoor		Temperature Outdoor		Net Airflow in Free Cooling Economizer Mode (CFM at 0.4 in. w.g.)			
					High Speed		Low Speed	
	°F	°C	°F	°C	CFM	L/s	CFM	L/s
Open - Starts Free Cooling	> 72°	> 22°	> 55° OR < 66°	> 13° OR < 19°	74	35	50	24
Close - Starts Heat Recovery	< 72°	< 22°	< 55° OR > 66°	< 13° OR > 19°	--	--	--	--

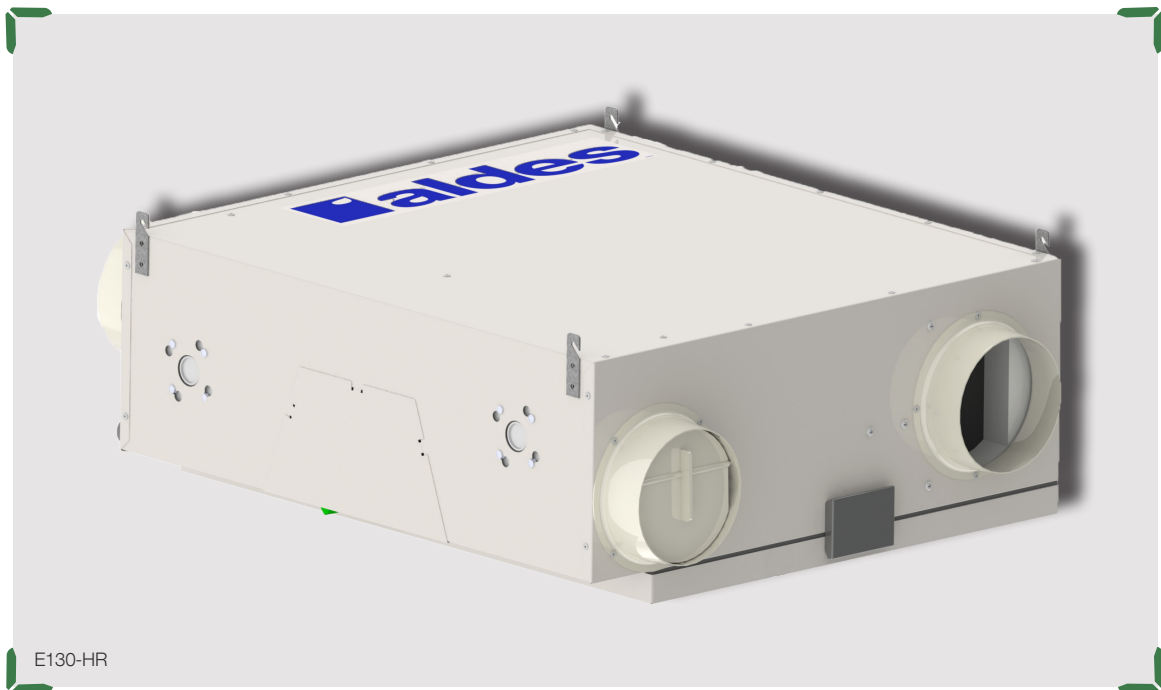
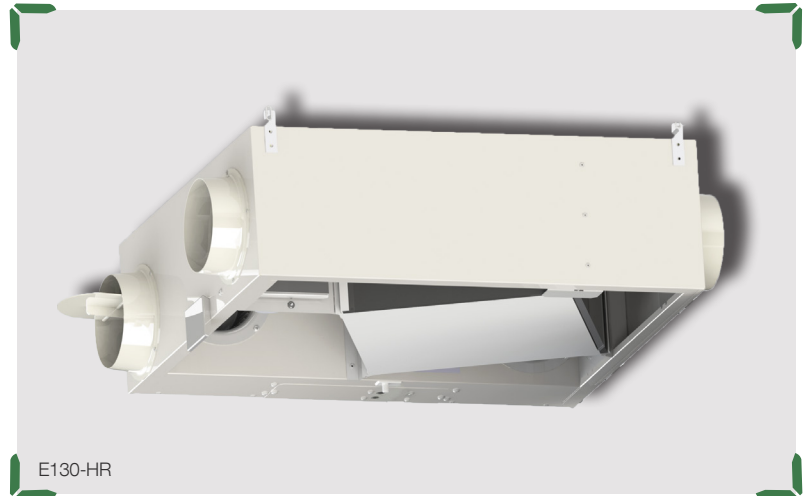
InspirAIR® Compact – 130 Models

Product Details

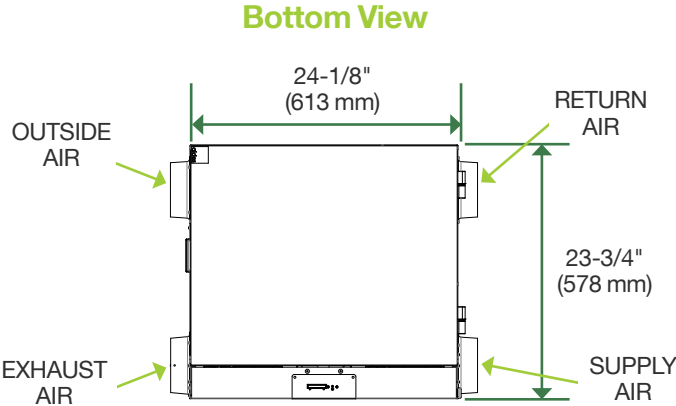
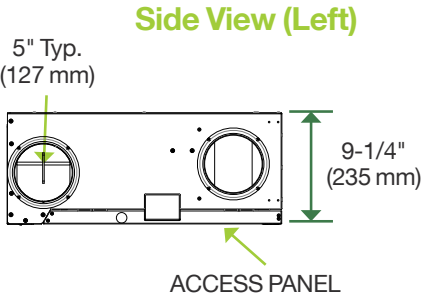
- Rated for 120 CFM (H130-HRG) and 133 CFM (E130-HR) at 0.2 in. w.g.
- Durable polypropylene core (H130-HRG) or high-latent-transfer enthalpy core (E130-HR)
- 120 VAC electrical requirements
- Extremely efficient backward-inclined impellers
- Bottom-hinged access panel
- Appliance-grade steel cabinet with baked-enamel finish
- Lightweight construction – only 35 lbs (16 kg)
- Both models are HVI Certified and ETL Safety Listed
- H130-HRG is ENERGY STAR® Qualified (Canada)

Key Features

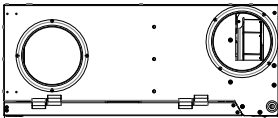
- Compact size (a mere 9-1/4" tall) permits installation in tight spaces
- EvacMAX™ for on-demand maximum boost ventilation
- FLEXControl electronically balances airflow circuits for simple, accurate installation
- Automatic timed recirculation defrost for use in extremely cold climates
- No condensate drain required (E130-HR)



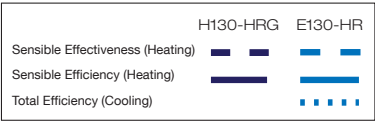
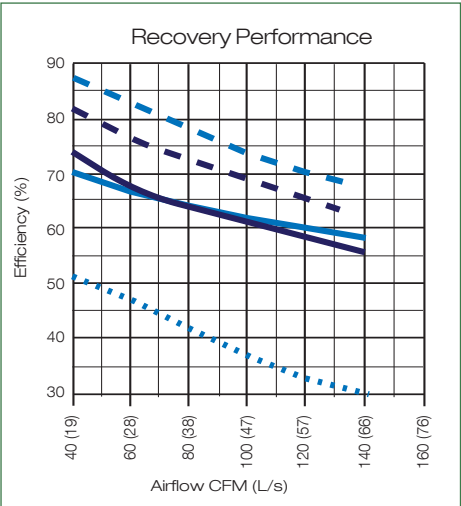
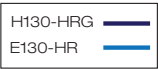
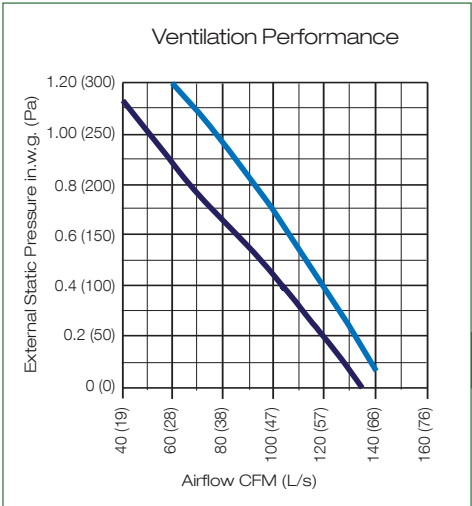
Dimensions



Side View (Right)



Performance

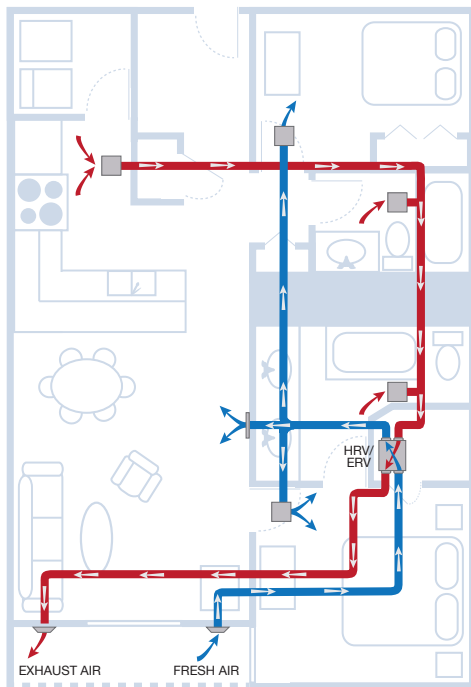


*H130-HRG only

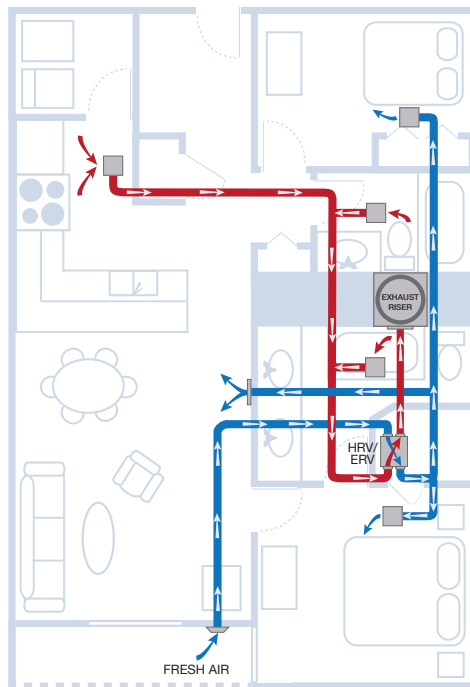
HVI CERTIFIED RECOVERY PERFORMANCE									
MODEL	H130-HRG				E130-HR				
Outside Air Temp.	Heating				Heating				Cooling
	32°F (0°C)	66	101	68	32°F (0°C)	-13°F (-25°C)	32°F (0°C)	-13°F (-25°C)	95°F (35°C)
CFM (L/s)	55 (26)	66 (31)	101 (48)	68 (32)	50 (24)	76 (36)	102 (48)	48 (23)	51 (24)
Sensible Recovery Efficiency	69%	66%	61%	60%	69%	64%	62%	59%	--
Apparent Sensible Effectiveness	78%	75%	69%	76%	85%	77%	73%	79%	--
Latent Recovery/ Moisture Transfer	--	--	--	--	62%	55%	51%	55%	54%
Total Recovery Efficiency	--	--	--	--	--	--	--	--	49%

Application

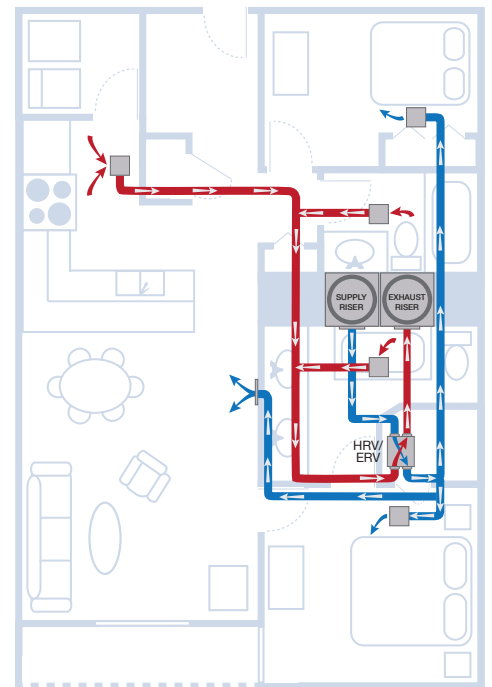
In the diagrams below, the **InspirAIR®** Compact HRV or ERV is mounted in the ceiling of the master bedroom closet. The **blue lines indicate the flow of fresh air for supply** and the **red lines indicate the flow of stale air for exhaust**. Each diagram depicts an acceptable duct configuration.



Fully Ducted with exhaust air directly ducted to the outside and fresh air supplied by an inlet.



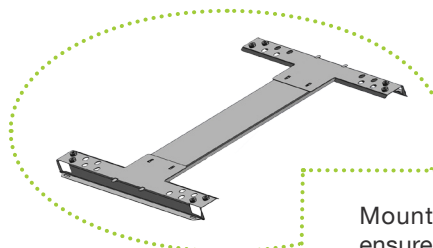
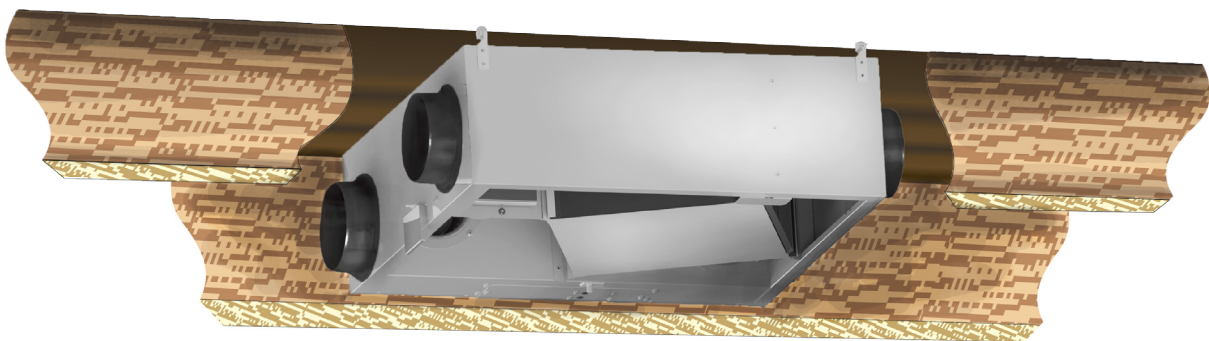
Fully Ducted with exhaust air ducted to a central exhaust riser and fresh air supplied by an inlet.



Fully Ducted with exhaust air ducted to a central exhaust riser and fresh air supplied by a central riser.

Installation

InspirAIR® Compact units are slim in height, ideal for horizontal installations above ceilings and in narrow plenum spaces. The model 80 is also narrow enough to easily fit between joists and other structural supports.



Mounting hardware is also available to ensure a secure vibration proof installation.

Accessories



1 - Humidity Control



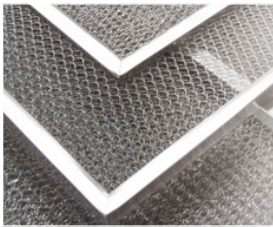
2 - 20/40/60 Timer



3 - Speed Control



4 - Multifunction Control



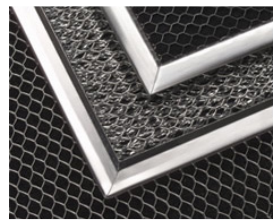
5 - Aluminum Filter



6 - Washable Foam Filter



7 - MERV 6 Filter



8 - Carbon Filter



9 - High-Efficiency Filter



10 - Zone Register Terminal (ZRT®)

Description

1 - Humidity Control (P/N 611224)

- Activates the HRV/ERV to remove excess humidity as desired

2 - 20/40/60 Timer (P/N 611228)

- Activates the HRV/ERV to operate on high-speed mode for 20, 40, or 60 minutes

3 - Speed Control (P/N 611229)

- Four HRV/ERV speeds: intermittent mode, low and high-speed exterior exchange mode, and unit stop mode

4 - Multifunction Control (P/N 611242-FC)

- Gives complete control over the HRV/ERV and supports the free cooling economizer mode

5 - Aluminum Filter (P/N 612404)

- Traps impurities and grease

6 - Washable Foam Filter (P/N 612405)

- Traps impurities

7 - MERV 6 Filter (P/N 612415)

- Traps impurities

8 - Carbon Filter (P/N 612406)

- Traps impurities and eliminates odors

9 - High-Efficiency Filter (P/N 612407)

- Traps impurities and pollen; use on supply side only

10 - Zone Register Terminal (ZRT®)

- Regulates ventilation without the need for individual fans

Range

ACCESSORY	H130-HRG	E130-HR	H80-HF	E80-HF	E80-HRG
1 - Humidity Control	611224	611224	611224	611224	611224
2 - 20/40/60 Timer	611228	611228	611228	611228	611228
3 - Speed Control	611229	611229	611229	611229	611229
4 - Multifunction Control	611242-FC	611242-FC	611242-FC	611242-FC	611242-FC
5 - Aluminum Filter	612404	612404			
6 - Washable Foam Filter	612405	612405			
7 - MERV 6 Filter			612415	612415	612415
8 - Carbon Filter	612406	612406			
9 - High-Efficiency Filter	612407	612407			
10 - Zone Register Terminal (ZRT®)	ZRT®	ZRT®			

www.aldes.us

To find out more about InspirAIR® and other related products
visit **www.aldes.us/ventilatebetter**

or find us on



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