

# ERV/HRV

**Models 3220, 3160, 8220 & 8160**  
**Residential Whole-House (GFI #4675, 4670, 4665, 4660)**

## ***Breathe Healthier***

### **Bring Fresh Air Into Your Home.**

**Keeping windows open 24/7 to get fresh air is not always possible due to weather, safety or noise concerns. Installing a GeneralAire® ERV / HRV ensures indoor air is fresh all the time, all year long.**



### **How the ERV/HRV Works:**

An HRV brings fresh air into a home while simultaneously exhausting stale air out. An ERV transfers heat and moisture during this exchange of air.

Details inside or go to: [www.generalfilters.com/ERV-HRV](http://www.generalfilters.com/ERV-HRV)

### **Install an ERV or HRV in your home to:**

#### **Remove odors and smoke:**

Whether from cooking, hobbies, pets, garbage, or smoking, your ERV / HRV will help eliminate annoying odors! In addition, tobacco products contain as many as 4,000 different chemicals; 50 of which are known to be cancer-causing carcinogens. Reduce tobacco smoke levels indoors with an ERV or HRV.

#### **Reduce moisture:**

ERV's and HRV's can help to reduce moisture in your home while exchanging fresh outdoor air with stale indoor air.

#### **Reduce home heating costs:**

Ideal for climates with longer heating seasons (vs cooling), HRV's "recover" some\* of the heat that would have otherwise been exhausted in winter months, saving you money.

\*Results vary based on home construction, age and other factors.

Manufacturers of Whole House Residential Indoor Air Quality Products. In Business Since 1937.  
Humidifiers - Dehumidifiers - Air Cleaners - UV Air Purifiers - Heat/Energy Recovery Ventilators

[www.generalfilters.com](http://www.generalfilters.com)



### Mechanical Ventilation Vs Natural (Opening Windows & Doors)

See the top reasons below why mechanical ventilation is a better option for your home than opening windows:

	<b><i>Mechanical GeneralAire® ERV / HRV</i></b>	<b><i>Natural: Open Windows &amp; Doors</i></b>
<b>Use Regardless of Weather</b>	Yes. Ventilate no matter the weather.	No. Open doors and windows don't make sense in bad weather.
<b>Are Safe</b>	Yes. Ventilate your whole house 24/7.	No. Keeping doors and windows open can present a safety concern at night and in high crime neighborhoods.
<b>Are Quiet</b>	Yes. HRV's / ERV's are	No. Often traffic or neighbor's activities can be noisy.

#### Do I need an ERV/HRV?

All homes need ventilation. Ventilation systems bring fresh air into your home while also exhausting stale air year around, even when windows and doors are closed! This exchange provides air that keeps occupants healthy, removes odors, reduces moisture, removes indoor pollutants and can lower the relative indoor humidity.

#### In the meantime ask yourself:

1. Does the air in my home seem stuffy? Stale?
2. Do cooking and other odors linger for a long time?
3. Do I have a newer, more tightly-sealed home?

#### ERV's and HRV's can help.

GeneralAire® offers a full line of residential whole house products to meet your needs. Review our full product catalogue on [www.generalaire.com](http://www.generalaire.com) to learn more. We recommend speaking with a licensed contractor for assistance with your IAQ selections and installations. Use our "Find a Contractor" tool on [www.generalfilters.com](http://www.generalfilters.com) for a list of contractors in your area.

#### The Benefits of Ventilation

Today homes are more airtight and energy efficient than ever. As a result, we trap potentially irritating and harmful substances and other irritants inside our homes. Studies of indoor air have found that air inside the home can be as much as 100 times more polluted than outdoor air. With a GeneralAire® ERV/HRV you can feel confident that you and your family will be breathing more fresh, clean air all year round.

**Studies show poor indoor air quality has been linked to chronic diseases such as diabetes, asthma, allergies, cancer, Alzheimer's disease, heart disease, high blood pressure, weight gain, and respiratory infections.**

**Environmental Protection Agency studies show we spend as much as 90% of our time indoors. Indoor air pollution is among the top five environmental health risks. In fact, indoor air can be up to 100 times more polluted than the air we breathe outdoors.**

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## **Proportional Defrost** *operation system*

- Reduces energy usage by eliminating unnecessary defrost energy during mild days.
- Motor speed increases automatically as outdoor temperatures drop for increased defrost capacity.

## **German Engineered** *motors*

- High-performance, reliable motors.
- Factory sealed and dynamically balanced.
- Maintenance-free for years to come.
- 10 Year Warranty

## **Sloped Drain Pan** *drainage system*

- Easy-access sloped drain pan.
- Accumulated condensation collects in the center of the drain pan to be evacuated.

## **DuoTrol™** *balancing system*

- Silent and economical
- Uses less energy.

**Controller Allows For:**  
20, 40, 60 minute operation

**Will De-Humidify With Dehumidistat**  
**Core has Lifetime Guarantee**

**Very Quiet Operation**



**Can Duct to Several Different Designated Areas of Your Home**

## **ISF™ Collar**

- Quick and simple to install
- "Insert Slide and Fix™" collar system.
- Insert the collar to the ERV by sliding it in place for quick, easy installation in ductwork.

## **SPM™ Attachment**

- "Single Person Mounting™"
- Enables you to save time and effort by offering you a variable attachment system.
- Maximize your basement space.

**Date of Installation:** \_\_\_\_\_

**Contractor's Contact Information:**

## **Maintenance**

Maintenance of your new GeneralAire® ERV / HRV is minimal. Simply follow suggested maintenance instructions every 6 months. Go to: [www.generalfilters.com](http://www.generalfilters.com) / support center / video library to watch a video demonstrating how to perform maintenance on your HRV / ERV.





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ERV/HRV Specifications				
	3160	3220	8160	8220
Heat exchanger (L x H x W)	12" x 12" x 10"	12" x 12" x 15"	12" x 12" x 10"	12" x 12" x 15"
CFM	30 to 160	50 to 220	30 to 160	50 to 220
Type of heat exchanger	cross-flow (Enthalpic)	cross-flow (Enthalpic)	cross-flow (Polypropylene)	cross-flow (Polypropylene)
Exchange surface	85 ft <sup>2</sup>	127 ft <sup>2</sup>	104 ft <sup>2</sup>	150 ft <sup>2</sup>
Voltage	120 VAC @ 60 Hz	120 VAC @ 60 Hz	120 VAC @ 60 Hz	120 VAC @ 60 Hz
Amperage	1.5 A	1.5 A	1.5 A	1.5 A
Power Consumption	130 W	150 W	130 W	150 W
Defrost type	Exhaust	Exhaust	Exhaust	Exhaust
Certification	HVI, cCSA <sub>US</sub>	HVI, cCSA <sub>US</sub>	HVI, cCSA <sub>US</sub>	HVI, cCSA <sub>US</sub>
Warranty	5 Years Electronics / 10 Years Motors / Core Lifetime  		5 Years Electronics / 10 Years Motors / Core Lifetime  	
Core	Lifetime Guarantee		Lifetime Guarantee	



## Inside the Box

- Model ERV/HRV
- Warranty Card
- Installation Manual
- 4 Collars
- 1 Drain Adapter With Nut
- 4 Tie Wraps (30")
- 16 Screws (#10 x 5/8")
- 4 Screws (#10 x 1")
- 2 Flexible Vinyl Ducts
- 1 Condensation Drain Line
- 4 Washers
- SPM™ Attachment Strap System

**Purchase replacement parts from your local wholesaler, a licensed contractor or from our website:**  
[www.generalfilters/part](http://www.generalfilters/part)



[www.generalfilters.com](http://www.generalfilters.com)



**Our Other Brands**



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[www.cgfproducts.com](http://www.cgfproducts.com)



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