

Ventilation Systems

Energy Recovery/Heat Recovery

FRESH AIR



FRIGIDAIRE

COMFORT THAT FITS YOUR LIFE



FRIGIDAIRE

ERV/HRV FRESH AIR VENTILATION SYSTEMS

Today's homes are so well-insulated they are practically airtight. While this is beneficial for lower energy costs, it also causes the stale air to be trapped inside leaving your home and family vulnerable to air pollutants. These intruders can cause problems to your health and to the structural integrity of the home.

Fortunately, Frigidaire offers a line of air quality products to help improve the indoor environment in any home. The Frigidaire ventilation systems are just one example of how indoor air pollution can be controlled through technology.

Your heating and cooling system can only re-circulate the air inside your home, but a ventilation system can expel the stale air, and bring in a continuous flow of fresh air to distribute throughout the home. These are key factors in optimal indoor air quality and good health.

A Heat Recovery Ventilator (HRV) is ideal for colder climates. The HRV keeps the home supplied with a steady flow of fresh outdoor air. As stale, warm air is expelled the heat recovery core warms the incoming fresh, colder air before it's distributed through the home. The result is a constant supply of fresh air, no unpleasant drafts and greater home comfort. In addition to heat recovery and improved air quality, the HRV provides necessary ventilation while controlling excess humidity.

An Energy Recovery Ventilator (ERV) is ideal for warmer climates and high-humidity environments. Although an ERV can be used in colder climates, it is typically used in warmer climate homes where humidity control is important. The ERV recovers heat like the HRV, but it also recuperates the energy trapped in moisture, which greatly improves the overall recovery efficiency. The ERV process is as follows: in humid climates and air conditioned homes, when it is more humid outside than inside, the ERV limits the amount of moisture coming into your home. In dry climates and humidified homes when the humidity level is reversed, the ERV limits the amount of moisture expelled from your home.

Both systems filter outdoor pollutants and expel indoor pollutants to the outside exchanging the air in the home.

Pollutants and their sources

Pollutants

Dust
Pollen
Tobacco Smoke
Dander
Mold Spores
Bacteria
Fungi
Methyl mercaptan
Carbon disulfide
Butyl acetate
Methyl methacrylate
MEK
d-Limonene
Toluene
Hydrogen sulfide

Sources

Humans, drapes, outdoor rain
Clothing, outdoor air, pets
Smokers
HVAC ducts, carpets
Waste containers, toilets
Foods
Natural gas
Cleaners
Solvents
Lacquer, industrial chemicals
Toilet vents, water

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Exceptional 10-Year Warranty

Frigidaire ventilation systems are backed with a 10-year limited parts warranty when installed and registered with a Frigidaire heating or cooling system. Sold separately, they carry a 1-year warranty. A Frigidaire dealer can help you choose the Frigidaire ventilation system that is right for you. For more information on Frigidaire warranties, ask your Frigidaire dealer or visit us at www.frigidaire.net for warranty details.

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