

# ERV & HRV Product Line



## Product Description

The Heat Recovery Ventilator (HRV) and Energy Recovery Ventilator (ERV) are fresh air exchange appliances that take fresh air into a dwelling, clean and evenly circulate the fresh air and expel stale, polluted air while controlling humidity and minimizing heat loss/gain. Without an exchange of air, the added elements from smoking, cleaning, cooking, etc. have an adverse effect on the air we breathe. HRVs and ERVs are identical except for the recovery core (heat exchanger). HRVs are used primarily in cold northern climates while ERVs are used in the middle and southern U.S.

HRVs and ERVs are growing in popularity as an indoor air quality solution to health issues and winter condensation problems. HRVs present the most cost effective solution to meeting tougher new construction housing codes in the northern U.S. and Canada.

The HRV core carries a limited lifetime warranty. ERV cores are warranted for five (5) years.

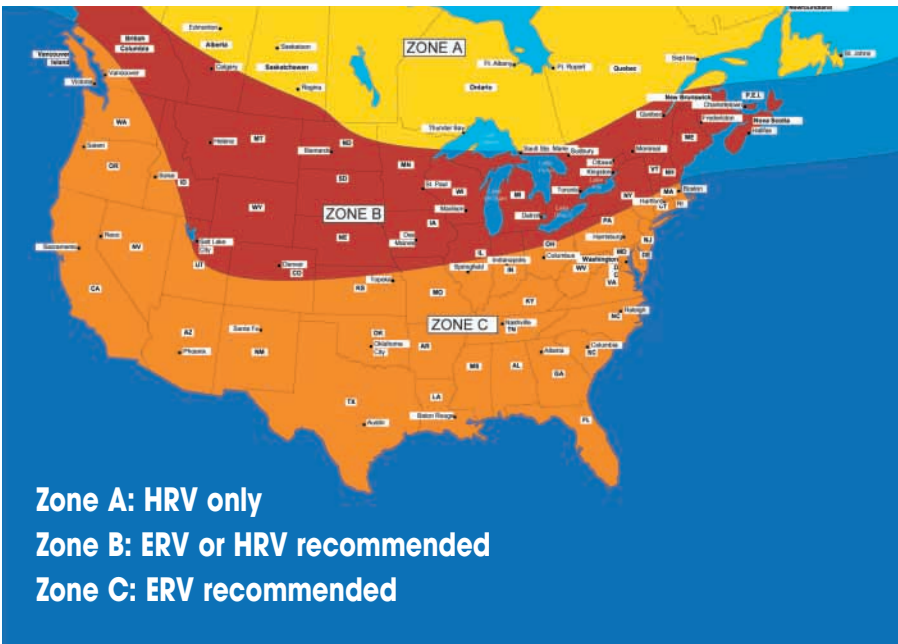
## Features

- Provides a constant, controlled supply of fresh air to the home year-round
- Reduces unhealthy indoor air pollutants, such as radon, formaldehyde, smoke and odors
- Best heat recovery and air flow range in its category
- Integral balancing dampers for balancing air flow
- Easily removable, washable, metal framed air filters

- Choice of wall controls
- PSC motor designed for constant operation
- Three optional blower speeds, two speed settings
- Ultra quiet blower design
- Deeper one-piece condensate tray
- Sturdy damper design for adverse weather conditions
- Optional remote 20 minute push-button timer
- 6" round inlets and outlets for easy duct connections
- Smart defrost system to prevent freeze-ups
- 20 gauge pre-painted steel with corrosion resistant finish
- Built-in 1/2" drain tube connection fittings
- UL listed, CSA certified, and HVI certified to assure consistent operating performance

## How They Work

HRV/ERV systems use centrifugal blowers to remove the stale indoor air. The incoming and outgoing air streams moving through the system capture and transfer the heat from one air stream to another, while passing through a patented set of exchange cores. Units are constructed of pre-painted steel and lined with foil-faced fiberglass insulation to minimize energy loss. The temperature level from the indoor air is retained and transferred to the new incoming fresh outdoor air before circulating throughout the house.

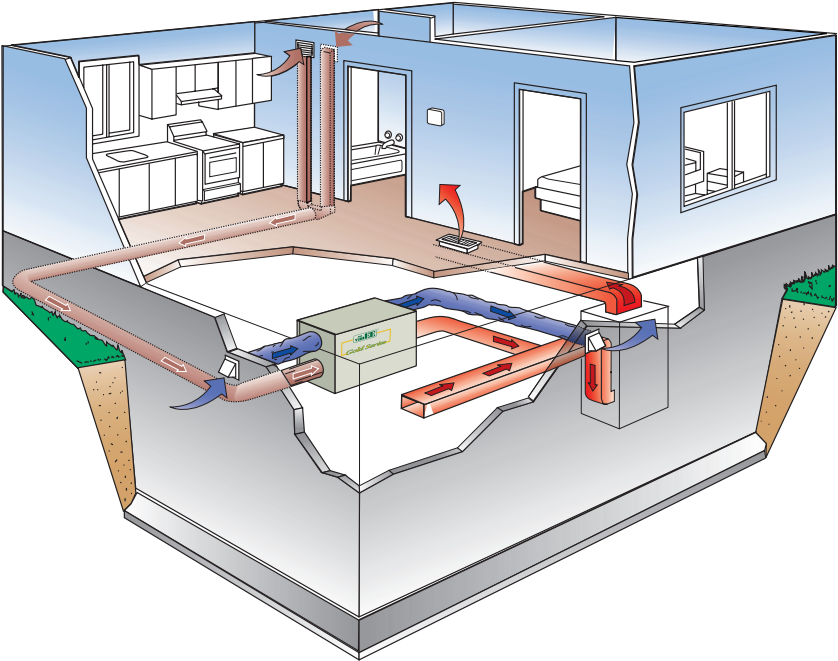


**Optional Accessories**

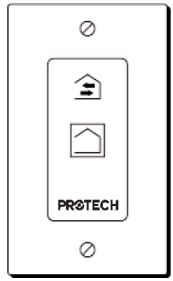
- 41-40210-01 Economy Control
- 41-40220-01 Value Control
- 41-40230-01 Premium Control
- 41-18061-10 Remote Push Button
- 89-16071-00 Metal Vent Kit (2)

**Specifications**

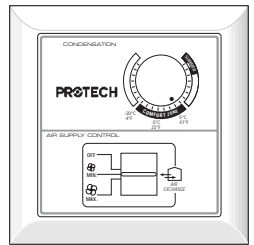
Part Number	Size	Volts	Hp	RPM	Watts	Amps
84-HRV100	100cfm	120V	1/12	1600/1300/1050	147	1.4
84-HRV200	200cfm	120V	1/7	1630/1300/1040	202	1.9
84-ERV100	100cfm	120V	1/12	1600/1300/1050	147	1.4
84-ERV200	200cfm	120V	1/7	1630/1300/1040	202	1.9



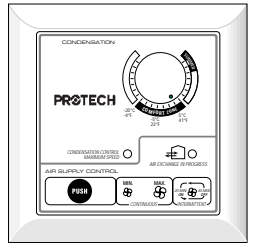
**Typical Installation**



41-18061-10



41-40210-01



41-40220-01



41-40230-01



PO Box 17010, Fort Smith, AR, 72917 • 3900 South Zero Street, Fort Smith, AR, 72908  
 Phone: (479) 646-4311 • Fax: (479) 648-4792  
 Specifications are subject to change without notice.