

READ AND SAVE THESE INSTRUCTIONS



ENERGY RECOVERY VENTILATORS

MODEL 8100

OWNER'S MANUAL

**Includes Safety, Operating and
Maintenance Instructions**

INTRODUCTION

Thank you for your recent Aprilaire® Energy Recovery Ventilator purchase. We sincerely appreciate your business and are pleased to add your name to our growing list of customers. With this purchase, you've invested in the highest quality equipment currently available. Research Products Corporation is the largest manufacturer of energy recovery ventilators, whole house high efficiency media air cleaners and whole house humidifiers, and is a recognized leader in the heating and air conditioning industry today.

Please be assured that in addition to product quality, we are also committed to unit performance as well as customer satisfaction. Your unit will require periodic maintenance to assure you of continued fine performance.

There has been more evidence lately to indicate that the air in our homes is more seriously polluted than the outdoor air even in the largest and most industrialized cities. Since research indicates that people spend approximately 90% of their time indoors, this poses a health risk. In addition, people who may be exposed to indoor air pollutants for long periods of time are often those most susceptible to the adverse affects of indoor air pollution. These groups include the young, the elderly, the chronically ill, and especially those suffering from respiratory or cardiovascular diseases. The levels of pollutants from individual sources may not pose a significant or serious risk to health by themselves. However, most homes have more than one source that contributes to indoor air pollution and an accumulative affect of these sources is cause for concern.

Now, please take a few minutes and read this booklet. This will familiarize you with the benefits you will receive from the equipment you just purchased and help you understand the routine maintenance that will be required. Be sure to register your warranty with us for our records and your protection.



ENERGY RECOVERY VENTILATORS

I. PRINCIPLE OF OPERATION

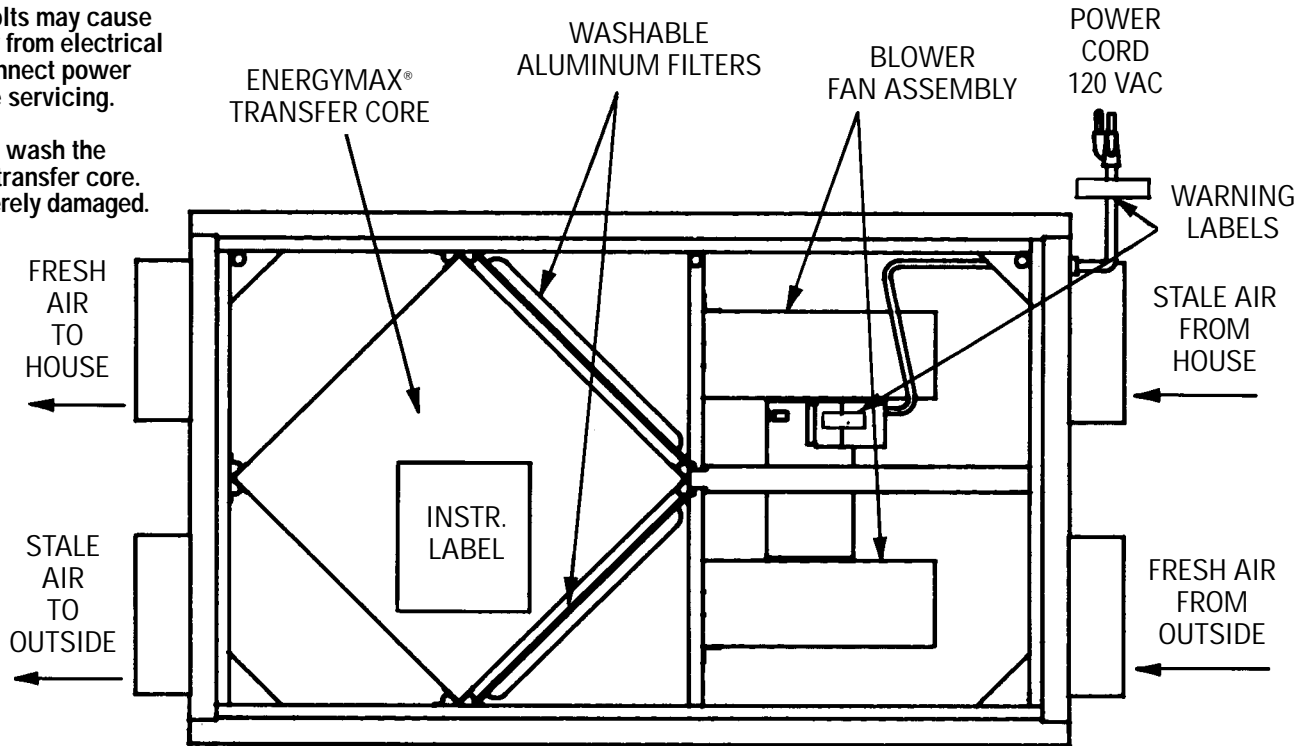
The Aprilaire® Energy Recovery Ventilator is designed to remove indoor air pollution and provide a constant supply of fresh air to the home. The special EnergyMax® transfer core utilizes the indoor conditioned air to pre-heat or pre-cool the incoming fresh air depending on the season. During the winter season, the cross-flow design EnergyMax transfer core allows the incoming fresh air to be preheated by the warm stale air being exhausted, thereby reducing the energy required by the heating system to warm the air to your desired temperature. This same process removes heat and moisture from the incoming air stream during the summer. The Aprilaire® Energy Recovery Ventilator provides a comfortable and healthy environment for your entire home year round, with only minimal maintenance requirements and trouble-free quiet operation. For optimum benefits, the Aprilaire unit has been designed for continuous operation.



Aprilaire® Energy Recovery Ventilator – Model 8100 Unit and Components

WARNING! 120 volts may cause serious injury from electrical shock. Disconnect power supply before servicing.

CAUTION! Do not wash the EnergyMax® transfer core. It can be severely damaged.



MAINTENANCE INSTRUCTIONS

1. Clean aluminum filters every six months and recoat with Super Filter Coat per directions on container. The filters are factory coated with RP Super Filter coat, which is available from your heating and air conditioning contractor. Super Filter Coat must be sprayed on the filter after each washing to maximize it's efficiency.
 2. Slide EnergyMax transfer core out annually by carefully pulling at the four corners. When it's completely dry, gently vacuum the air passages with a soft brush attachment. Be careful not to damage the delicate surfaces and slide the energy transfer core back into housing pushing only at the four corners.
 3. Check the fresh air intake (outside) vent every six months, and clean if necessary.
 4. Blower compartments should be inspected for debris buildup every six months, and cleaned if necessary. No maintenance is required for the blower motor.
- Should you require service parts, please proceed by the following:
- Call the installer of your Aprilaire® Energy Recovery Ventilator. This information is often found on your equipment.
 - Call your heating and air conditioning dealer.
 - If neither of the above is successful and you still need additional information, please feel free to write, call, or contact us at www.aprilaire.com.

APRILAIRE® LIMITED WARRANTY

Your Research Products Corporation Aprilaire® Energy Recovery Ventilator is expressly warranted for three (3) years from date of installation to be free from defects in material or workmanship.

The Energymax® Transfer Core is expressly warranted for five (5) years from date of installation to be free from defects in material or workmanship.

Research Products Corporation's exclusive obligation under this warranty shall be to supply, without charge, a replacement for any part of the Energy Recovery Ventilator which is found to be defective within the applicable time period and which is returned not later than thirty (30) days after the end of the time period by you to either your original supplier or to Research Products Corporation, Madison, Wisconsin 53701-1467, along with the model number, date code and date of installation.

This warranty shall not obligate Research Products Corporation for any labor costs and shall not apply to defects in workmanship or materials furnished by your installer as contrasted to defects in the Energy Recovery Ventilator itself.

Implied warranties of merchantability or fitness for a particular purpose shall be limited in duration to the applicable three (3) or five (5) year period. Research Products Corporation's liability for incidental or consequential damages resulting from any breach of the aforesaid implied warranties or the above limited warranties is expressly excluded. This limited warranty is void if this unit is not installed by a qualified heating and air conditioning contractor. If the limited warranty is void due to failure to use a qualified contractor, all disclaimers of implied warranties shall be effective upon installation.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages so the above exclusion or limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.



THE BEST IN INDOOR AIR COMFORT

The Aprilaire® Indoor Air Comfort System is an integrated group of air quality enhancement products designed to work with your heating and cooling system to make your home more comfortable. For the best in indoor air quality, ask your heating and cooling contractor about these fine Aprilaire products, or visit us at www.aprilaire.com to solve your indoor air comfort needs.



Automatic Humidifiers

The world's first computer-equipped, completely automatic humidifiers.



High Efficiency Air Cleaners

Delivers the cleanest, healthiest air ever available from a whole-house air cleaner.



Zone Control Systems

The most reliable way to achieve temperature control in every area of your home.



Energy Recovery Ventilators

Your best value for a constant, controlled supply of fresh air with energy-recovery.



Electronic Thermostats

Ultra-thin, easy-to-use digital, programmable, and communicating controls featuring pinpoint accuracy.

SERVICE RECORD

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