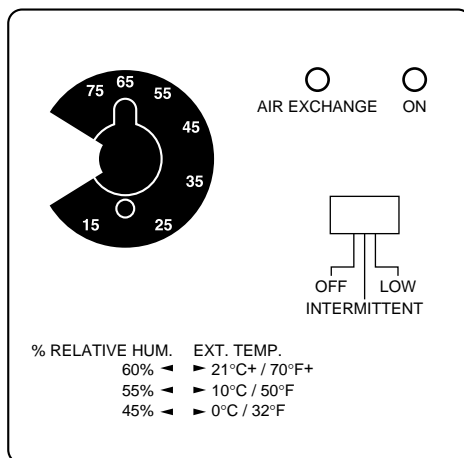


# ENERGY RECOVERY VENTILATOR

## User's Information Manual for the operation and maintenance of Energy Recovery Ventilators



A95044

### OPERATING YOUR ENERGY RECOVERY VENTILATOR (ERV)

Your ERV is designed to operate as an integral part of your total heating and cooling system.

**Low Exchange Mode**—If the relative humidity inside the building is lower than selected, air exchange would occur with the outside at high speed. If the relative humidity level inside the building is higher than selected, air exchange would occur with outside at low speed. This ensures continuous air exchange for constant air quality.

**Intermittent Mode**—If the relative humidity inside the building is higher than selected, no air exchange would occur, and the system would turn off. If the relative humidity inside the building is lower than selected, air exchange would occur with outside at high speed. This mode is ideal for maintaining the proper humidity level when the continuous mode cannot.

### PERFORMING ROUTINE MAINTENANCE

**⚠ WARNING:** Before installing or servicing system, always turn off main power to system. There may be more than 1 disconnect switch. Turn off accessory heater power if applicable. Electrical shock can cause personal injury or death.

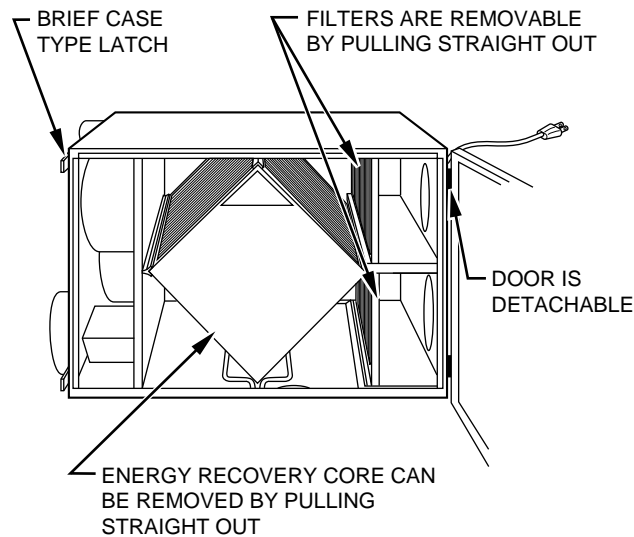
**⚠ CAUTION:** Although special care has been taken to minimize sharp edges in the construction of your unit, be extremely careful when handling parts or reaching into the unit.

1. The motors are factory lubricated for life. Lubricating the bearings is not recommended.
2. The core should be vacuumed every three months to remove dust that would inhibit the energy transfer. **Do not use water. The core should only be serviced when the outdoor temperature is between 60°F(16°C) and 75°F(24°C) and dry.**  
**NOTE:** If the edges of the core are soft, do not try to service the core. The air passages can be damaged and / or closed off by handling it or trying to remove it.
3. A dirty air filter will cause excessive strain on the blower motor. The filters in your ERV are washable, and should be cleaned every 3 months. Use a vacuum cleaner to remove the heaviest portion of accumulated dust, then wash in lukewarm water.  
**NOTE:** Do NOT clean these filters in a dishwasher or dry them with heating appliances as they will be permanently damaged. Use lukewarm water to clean filters. Replace filters only when they are completely dry.
4. Regularly check the screen on the exterior intake hood and clean when necessary.

## BEFORE YOU REQUEST A SERVICE CALL.

- Check the main power disconnect switch. Verify that the circuit breakers are ON or that fuses have not blown. If you must reset breakers or replace fuses, do so only once. Contact your servicing dealer for assistance if the breakers trip or the fuses blow a second time.
- Check for sufficient airflow. Check the air filters for any accumulations of large particles. Check for blocked exhaust-air grilles or ductwork. Be sure grilles and ductwork are open and unobstructed.
- Check to see if the outside air temperature is around 15°F(-10°C). Your unit will not operate for 3 hr after it senses that the outside air is at 15°F(-10°C)

If your ERV still fails to operate properly, contact your servicing dealer. Give him your model and serial number. With this information, the dealer will be able to correct any problems.



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