



**Fantech**  
Your Ventilation Solutions Company

## SH, VH & SE Series Heat & Energy Recovery Ventilators

**IMPORTANT - PLEASE READ THIS MANUAL  
BEFORE INSTALLING UNIT**

**CAUTION** - Before installation, careful consideration must be given to how this system will operate if connected to any other piece of mechanical equipment, i.e. a forced air furnace or air handler, operating at a higher static. After installation, the compatibility of the two pieces of equipment should be confirmed by measuring the airflow's of the Heat Recovery or Energy Recovery Ventilators.

It is always important to assess how the operation of any HRV/ERV may interact with vented combustion equipment (i.e. Gas Furnaces, Oil Furnaces, Wood Stoves, etc.).

**NEVER** - install a ventilator in a situation where its normal operation, lack of operation or partial failure may result in the backdrafting or improper functioning of vented combustion equipment!!!



Your ventilation system should be installed in conformance with the appropriate provincial or state requirements or in the absence of such requirements with the current edition of the National Building Code, and / or ASHRAE's " Good Engineering Practices".

# SH, VH & SE Models

SH704 • VH704 • SE704

INSTALLATION, OPERATION AND MAINTENANCE MANUAL

## MAINTENANCE

### CAUTION MAKE SURE UNIT IS UNPLUGGED BEFORE ATTEMPTING ANY MAINTENANCE WORK

The following components should also be inspected regularly and well maintained.

### PRACTICAL TIPS

- To prevent electrical shock, check that the unit is unplugged before doing any repairs or maintenance.
- A yearly inspection is recommended to ensure the efficiency and trouble-free use of your system. Run through the system and verify the different operating modes.

**The motor** - The motors are factory balanced and lubricated for life. They require no maintenance.

**The unit** - The inside of the unit should be vacuumed yearly. Be careful not to damage any of the mechanical components and electrical connections.

**Outside hoods** - The outside hoods need to be checked every season to make sure there are no leaves or insects blocking the airflow. Check regularly that there are no pollutants near the intake hood. Make sure they are clear of any snow accumulation during the winter months.

### FILTERS

The filters (2) need to be checked and cleaned every three months or when they appear dirty. Wash in warm sudsy water (mild detergent) or use a soft brush vacuum. The filters should be replaced when they can no longer be cleaned properly.

### HEAT RECOVERY CORE (SH704 & VH704 ONLY)

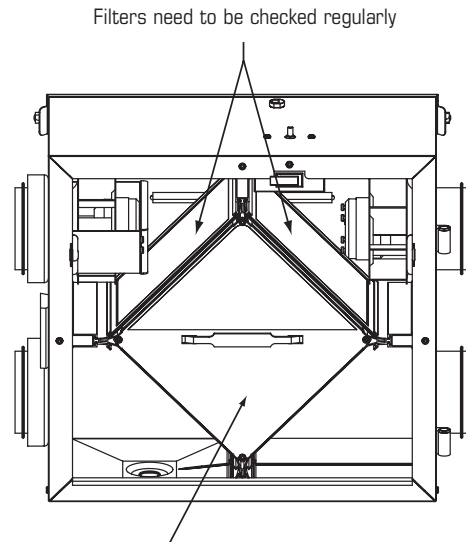
The heat recovery core needs to be checked and cleaned every six months. The core can be cleaned using a mild soap and water. Rinse thoroughly. Handle with care. Hot water and a strong detergent will damage the heat recovery core.

**The drain pan and drain line** - Units with drain lines should have their line and connection checked regularly.

#### Clean Core and Filters Every 3-6 Months.

Unplug unit before doing any repairs or maintenance

- Open access door.
- Carefully grip handle of core and pull out. Core will slide out of the channel.
- Once removed from the cabinet remove filters.
- Wash core in warm soapy water (do not use dishwasher).



- Install clean core by:
  - First mounting the bottom flange of the core guide into the bottom channel approximately 1/4" (6mm).
  - Mount the left or right side flange of the core guide approximately 1/4" (6mm) followed by the other side.
  - Mount the top flange of the core guide into the top channel approximately 1/4" (6mm).
  - With all four corners in place and the core straight and even, push hard in the center of the core until the core stops on the back of the cabinet.
- Install the clean filters.

### ENERGY RECOVERY CORE (SE704)

The energy recovery core needs to be checked and cleaned every six months.

DO NOT wash this core, instead use a vacuum to lightly draw dirt away from the core.

#### Clean Core and Filters Every 3-6 Months.

Unplug unit before doing any repairs or maintenance

- Open access door.
- Carefully grip handle of core and pull out. Core will slide out of the channel.
- Once removed from the cabinet remove filters.
- Vacuum core to slightly remove dirt away.

- Install clean core by:
  - First mounting the bottom flange of the core guide into the bottom channel approximately 1/4" (6mm).
  - Mount the left or right side flange of the core guide approximately 1/4" (6mm) followed by the other side.
  - Mount the top flange of the core guide into the top channel approximately 1/4" (6mm).
  - With all four corners in place and the core straight and even, push hard in the center of the core until the core stops on the back of the cabinet.
- Install the clean filters.