

# VentilAire™ Fresh Air Wall Vent System

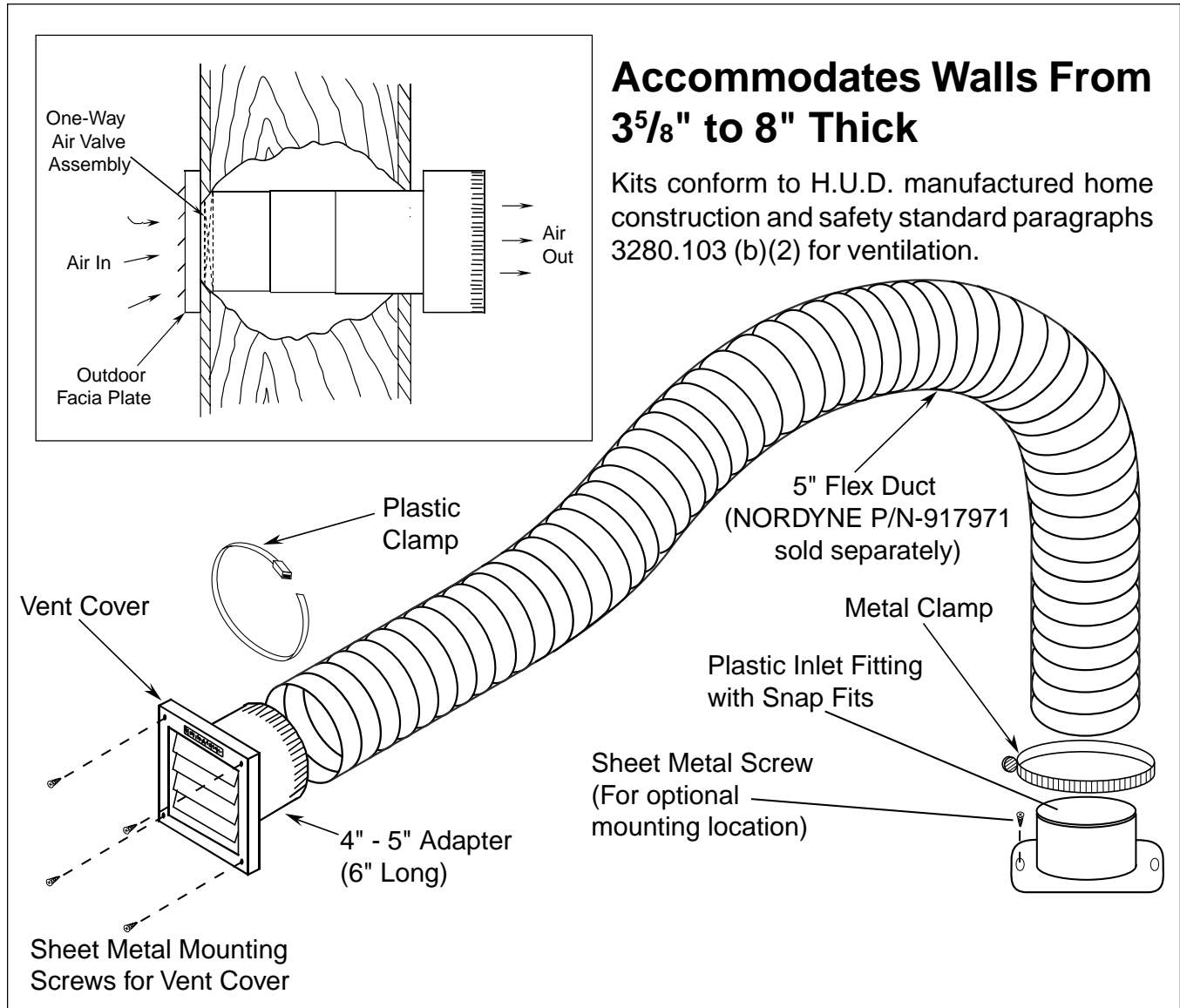
## Installation Instructions

### 903974 - Through-the-Wall Fresh Air Vent Kit

#### DESCRIPTION

The NORDYNE fresh air wall vent system is designed for use in alcove furnace installations when the return air path is through the furnace door.

The wall vent system allows fresh air from outside to enter the home by using the negative pressure of the indoor blower.



These instructions are primarily intended to assist qualified individuals experienced in the proper installation of heating and/or air conditioning appliances. Some local codes require licensed installation/service personnel for this type of equipment. All installations must be in accordance with these instructions and with all applicable national and local codes and standards.

Before beginning the installation, read these instructions thoroughly and follow all warnings and cautions in the instructions and on the unit.

#### — INSTALLER —

Do Not Discard These Instructions. After completing the installation, return these instructions to the Homeowner's Package for owner-user's future reference. **Complies with H.U.D. Manufactured Home Construction & Safety Standards.**

## LOCATION

The VentilAire Fresh Air Wall Vent system **MUST** be located in the outside wall of the furnace alcove. It may be located behind an appliance provided a minimum clearance of 2" is maintained between the appliance and the wall.

NOTE: The actual location of the vent may be subject to other rules or codes applicable to the home in question. Compliance with these codes is the responsibility of the installer.

## INSTALLATION

### **WARNING:**

**Disconnect main power before drilling through the wall. Electrical wiring may be present..**

### **DO NOT REMOVE THE OVAL KNOCKOUT IN FURNACE TOP BEFORE COMPLETING STEP ONE.**

1. Determine the location of the plastic inlet fitting.  
Gas Furnace - Oval knockout located at the top, near the front of the furnace.  
Air Handler - Oval knockout located on the sides of the air handler.  
Downflow Electric Furnace - Oval knockout located at top near the front of the furnace; or if using return air grilles, the plastic fitting may be mounted in the rear of the cabinet over the return air filter. When using an optional air conditioning coil it may be mounted to the front or rear coil flange using mounting holes provided. If either of these options are selected, **DO NOT REMOVE** the oval knockout on the electric furnace. If already removed, the knockout should be resealed to prevent bypass air.  
Upflow Electric Furnace - a special adaptor (914427) may be applied over the square refrigerant line knockout.  
Note: On air handlers, ensure at least 3 1/8" clearance is provided on side of unit for special duct adaptor kit (914120).
- 2a. For oval knockout installation, place the plastic inlet fitting with locking tabs onto the sheet metal. The side with tabs further apart (back) should be inserted first, then push gently on the front in the center of the part until front tabs fall below

- the sheet metal and release. Part will tighten securely in place after application of metal clamp.
- 2b. For optional locations use the sheet metal screw provided through one of the clearance holes on the plastic inlet flange.
3. If the wall is between 35/8" and 51/2" in overall thickness, do not use the extension sleeve. Discard it. The sleeve should be used if the wall is between 51/2" and 8" thick. If it is determined that the extension sleeve is needed, slide it into the larger tube stub and tape it in place with duct tape, so that it will overlap the smaller tube stub at least 1/2" when mounted in the wall. Drill a pilot hole through the wall from the outside of the house, being careful to avoid wall studs or other obstructions. Next, cut a 41/8" diameter hole through both walls.
4. Apply caulking or an appropriate sealant around the base of the tube on the **OUTSIDE** vent half and insert it into the wall from the outside (with the extension sleeve taped in place, if needed). Use the four (4) wood screws provided to secure it to the wall.
5. From the inside of the house attach the 5" adaptor half in a similar fashion. Caulking may be omitted, if desired.
6. Cut and route the desired length of U.L. approved Class 1 air duct (NORDYNE P/N-917971) from the 5" wall vent to the oval adaptor on the furnace. Secure using clamps provided as shown.

