

INSTALLATION INSTRUCTIONS

MODEL RXGY-G01

FOR USE WITH (-)GRA, (-)GRJ, (-)GTA, (-)GTJ, (-)GFD, (-)GGD,
(-)GRK & (-)GTK FURNACES

DIRECT VENT FURNACE SIDE WALL VENT KIT

WARNING

THIS VENT KIT MUST BE INSTALLED BY A QUALIFIED SERVICE TECHNICIAN. CODES AND LOCAL UTILITY REQUIREMENTS GOVERNING THE INSTALLATION OF GAS FIRED EQUIPMENT, WIRING, PLUMBING, AND FLUE CONNECTIONS MUST BE ADHERED TO. IN THE ABSENCE OF LOCAL CODES, THE INSTALLATION MUST CONFORM WITH THE NATIONAL FUEL GAS CODE ANSI Z223.1 "LATEST EDITION," OR CAN/CGA B149 INSTALLATION CODES. THE LATEST CODE MAY BE OBTAINED FROM THE INTERNATIONAL APPROVAL SERVICES, 8501 E. PLEASANT VALLEY RD., CLEVELAND, OHIO 44131, OR 55 SCARSDALE RD., TORONTO, ONTARIO, CANADA, M3B 2R3.

 **WARNING:** HAZARDOUS VOLTAGE - DISCONNECT POWER BEFORE SERVICING

WARNING

THESE INSTRUCTIONS ARE INTENDED AS AN AID TO QUALIFIED SERVICE PERSONNEL FOR PROPER INSTALLATION, ADJUSTMENT AND OPERATION OF THIS UNIT. READ THESE INSTRUCTIONS THOROUGHLY BEFORE ATTEMPTING INSTALLATION OR OPERATION. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN IMPROPER INSTALLATION, ADJUSTMENT, SERVICE OR MAINTENANCE, POSSIBLY RESULTING IN FIRE, ELECTRICAL SHOCK, CARBON MONOXIDE POISONING, EXPLOSION, PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

DO NOT DESTROY THIS MANUAL. PLEASE READ CAREFULLY AND KEEP
IN A SAFE PLACE FOR FUTURE REFERENCE BY A SERVICEMAN.

INTRODUCTION

This Installer's guide covers installation of the side wall venting kit on all gas fired direct vent condensing furnaces.

WARNING

THIS VENT KIT IS ONLY TO BE USED FOR VENTING CATEGORY IV FURNACES. DO NOT USE THIS KIT TO VENT CATEGORY I, II, OR III VENT FURNACES. DO NOT APPLY TO A NON-CONDENSING GAS FURNACE. FAILURE TO FOLLOW THIS WARNING COULD RESULT IN FIRE, PERSONAL INJURY OR DEATH.

NOTE: If these instructions differ from those packaged with the furnace, follow these instructions.

GENERAL

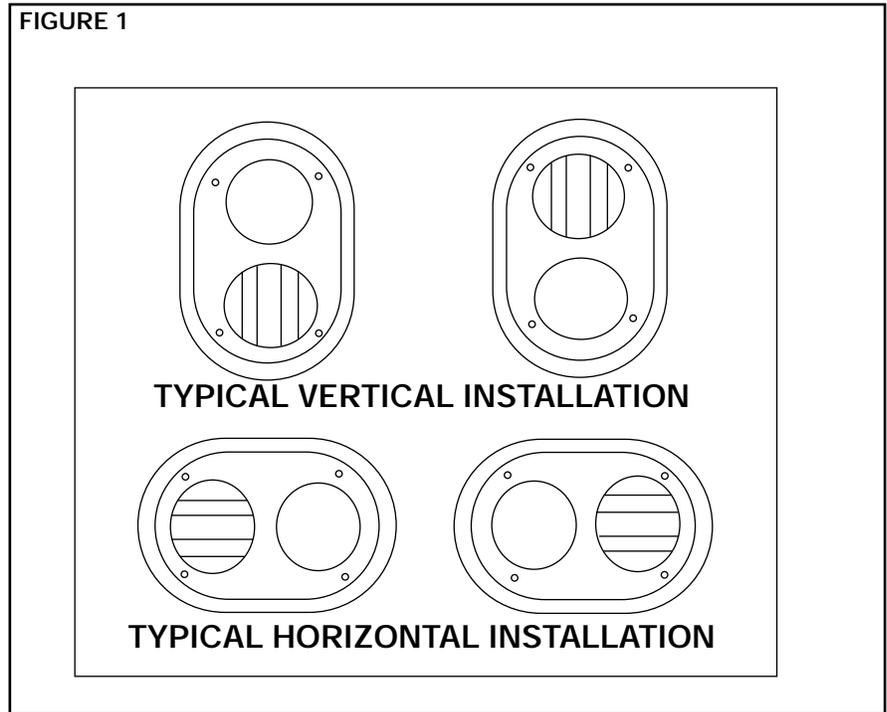
NOTE: *The equivalent length of the RXGY-G01 is 0 feet.*

This vent kit may be used on 2, 2-1/2, or 3 inch vent systems. The vent kit must terminate outside the structure and may be installed with the pipes side by side or with one pipe above the other as shown in Figure 1. It is not required for the vent kit to be installed in a specific orientation.

Field supplied pipe and fittings are required to complete the installation. The combustion air pipe, vent pipe and fittings must conform to American National Standard Institute

(ANSI) and American Society for Testing and Materials (ASTM) standards D-1785 (schedule-40 PVC), D-2665 (PVC-DWV), D-2661 (ABS-DWV), or F628 (schedule 40 ABS). Pipe cement and primer must conform to ASTM standard D-2564 (PVC). In Canada, construct all combustion air and vent pipes for this unit of CSA or ULC certified schedule-40 PVC/ABS-DWV pipe and pipe cement.

FIGURE 1



INSTALLATION - Side Wall Vent Kit

1. Determine the best location for the vent kit.

NOTE: In addition to all applicable local codes, consider the following when determining the vent kit location:

- The vent kit should be positioned where the vent vapors and flue gas condensate will not damage building materials, plants, shrubs, or air conditioning equipment.
 - The vent kit should be positioned so it will not be affected by wind currents that may allow recirculation of combustion products, airborne leaves, snow flakes, etc.
 - The vent kit should be positioned where it will not get damaged or be subjected to foreign objects (such as stones, balls, etc.).
 - The vent kit should not be positioned where the vent vapors will be objectionable.
2. Use the vent plate as a template to locate the vent and air intakes holes and four mounting holes. Cut two 3-7/8 inch diameter holes for the vent and air intake openings. Drill four 3/16" diameter holes for inserting the plastic anchors into the wall. Attach the vent plate to the wall with four screws (#8 pan, 2" long, SMS Type A18-8 stainless steel).
 3. Assemble the vent cap to the vent plate (see Figure 2). Insert the four (#8 pan, 1" long, SMS Type A18-8 stainless steel) screws into the vent cap screw hole openings and securely attach the vent cap to the vent plate.
 4. Install the vent and air intake piping into the vent plate openings. Seal all gaps between the pipes and wall. Use RTV silicon sealant to seal the vent pipe to the vent cap to permit field disassembly for cleaning. To reduce to 2" or 2-1/2" piping, reducing couplings are required but not supplied (see Figure 3).
 5. Seal all wall cavities.

NOTE: Two or more installations require a minimum separation distance of approximately one inch between vent kits.

To prevent the possibility of condensate freeze-up, do not install vent kits one above the other.



CHECKOUT

Operate the furnace to make sure all pipe joints are fastened and sealed to prevent the escape of combustion products into the building.

WARNING

DO NOT OPERATE THE FURNACE WITHOUT THE SIDE WALL CAP IN PLACE AS RECIRCULATION OF COMBUSTION PRODUCTS MAY OCCUR. WATER MAY ALSO COLLECT INSIDE THE COMBUSTION AIR PIPE AND FLOW TO THE BURNER ENCLOSURE. FAILURE TO FOLLOW THIS WARNING COULD RESULT IN PRODUCT DAMAGE OR IMPROPER OPERATION, PERSONAL INJURY OR DEATH.

FIGURE 2
TYPICAL SIDE WALL APPLICATION

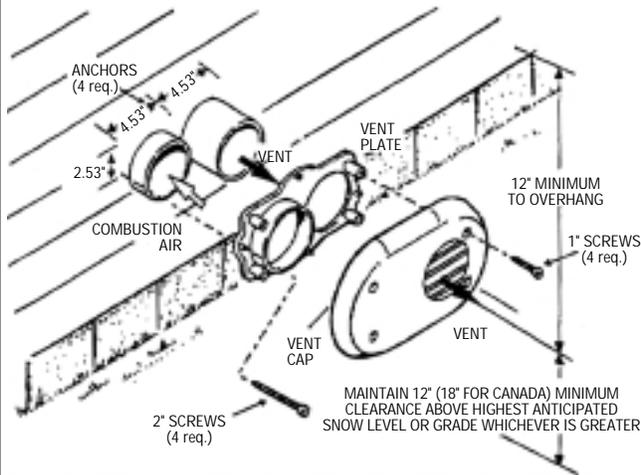


FIGURE 3
TOP VIEW - TYPICAL INSTALLATION

