



FO-V3

Rectangular Gravity Vent Kit

The gravity vent kit uses natural convection to distribute the heat generated by the fireplace to the same floor and/or floors above the fireplace. The maximum duct length allowed is 15 feet from the top of the fireplace to the outlet. The current kit provides 5 feet of insulated flexible duct. You must order additional insulated flexible duct (FO-DUCT5) if you want to extend your run up to 15 feet in total. Two gravity vent kits are necessary if you want to run two gravity vents.

❖ WARNING:

- **NO SUBSTITUTION OF ANY OF THESE PARTS IS ALLOWED.**
- **STEEL STUDS AND CEMENT BOARD ARE REQUIRED FOR INSTALLATION OF THIS GRAVITY VENT KIT. ENSURE YOU HAVE PROPER MATERIALS BEFORE STARTING.**
- **CLEARANCES MUST BE MAINTAINED FOR YOUR SAFETY.**
- **THE GRAVITY VENT RUN MUST NEVER RUN IN A DOWNWARD DIRECTION OR HEAT MAY BE TRAPPED IN THE GRAVITY VENT SYSTEM.**
- **DO NOT BLOCK AIR FLOW IN FRONT OF THE DECORATIVE GRILL. YOU MUST ALLOW FREE AIR MOVEMENT.**

INSTALLATION

1. Plan the gravity vent run first. There is no maximum number of bends in a run, but the run must never go in a downward direction as this will trap heat in the gravity vent system. Figure 2 and Figure 3 indicate the minimum clearances and framing dimensions. Passing through a combustible ceiling requires a minimum 14" x 14" opening. Be aware that you will need to install a firestop at the ceiling each time the insulated flexible duct goes through a floor.
2. On the top of the fireplace, remove the outer cover on either the left, right or both sides of the flue outlet. On some models, the hole on the left has a cut-out ring, do not remove it, it will make the hole bigger than necessary. On some models, the opening under the cover may be bigger than the gravity vent starter. Use the gravity vent starter to cut through the insulation by turning it back and forth while pushing down against the insulation.

It is important that the insulation be cut as tight as possible to the gravity vent starter. Remove the cut insulation. Then remove the cover plate underneath (it is taped in place). You may have to lift the insulation to find and cut the tape, then just slide the cover out of the way. Do not forget to replace the insulation if necessary.

3. Bend down the three tabs appropriate for your fireplace model (see Figure 1) on the gravity vent starter to 90° then install it on the fireplace. It should be pushed all the way down through the insulation until it rests on the three tabs. It should come out below the insulation in the fireplace. Use three of the self-tapping screws provided to attach it to the top of the fireplace.

4. Attach the round end of the insulated flexible duct to the gravity vent starter on the fireplace. Ensure the insulated flexible duct completely covers the gravity vent starter protruding above the top of the fireplace. Using three of the self-tapping screws with three flat washers provided, screw through the insulated flexible duct to attach it to the gravity vent starter.
5. Extend the insulated flexible duct as desired. You may need some plumber's strapping to support the duct if it runs close to horizontally (always keep a slight slope upwards). To extend the duct beyond the 5' provided, additional 5' lengths can be ordered with the part code FO-DUCT5.
6. Using steel studs, mount the outlet duct. Refer to Figure 2 and Figure 3 for framing requirements.
7. Attach the decorative grill adapter (pre-installed in the duct) to the steel stud header.
8. Install a second steel stud to frame the grill adapter on top and bottom as shown.
9. When ready, cover the wall with cement board. The outlet grill adapter has a 1/2" lip for the cement board to butt against.
10. Screw the decorative grill to the wall with the black screws provided.

