



# FO-V2

## Universal Gravity Vent Kit

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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. THESE GENUINE RSF PARTS HAVE THE CORRECT CLEARANCES. THESE CLEARANCES MUST BE MAINTAINED FOR YOUR SAFETY. EVERY MEASUREMENT AND CLEARANCE ON THE ILLUSTRATIONS MUST BE FOLLOWED CAREFULLY.**

❖ **WARNING: DO NOT REPLACE THE DECORATIVE GRILL WITH ANY OTHER TYPE OR STYLE OF DECORATIVE GRILL OTHER THAN THE ONE PROVIDED OR THE ONE INCLUDED WITH THE CONTEMPORARY GRILL OPTION (FO-VGC). DO NOT BLOCK AIR FLOW IN FRONT OF THE DECORATIVE GRILL. YOU MUST ALLOW FREE AIR MOVEMENT.**

❖ **WARNING: THE GRAVITY VENT RUN MUST NEVER GO IN A DOWNWARD DIRECTION. YOU MUST NOT ALLOW HEAT TO BE TRAPPED IN THE GRAVITY VENT SYSTEM.**

## INSTALLATION

1. Plan the gravity vent run first. Remember that the maximum duct length from the top of the fireplace to the outlet is 15 feet. 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 1 indicates the minimum clearances and framing dimensions. Passing through a combustible wall or 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. The decorative grill adapter is designed to be installed underneath the gypsum board in the wall.

For an installation on an unfinished wall: identify the outlet desired location and frame the vertical sides of an opening 10 1/2" wide to accept the decorative grill adapter at that location. Refer to Figure 2.

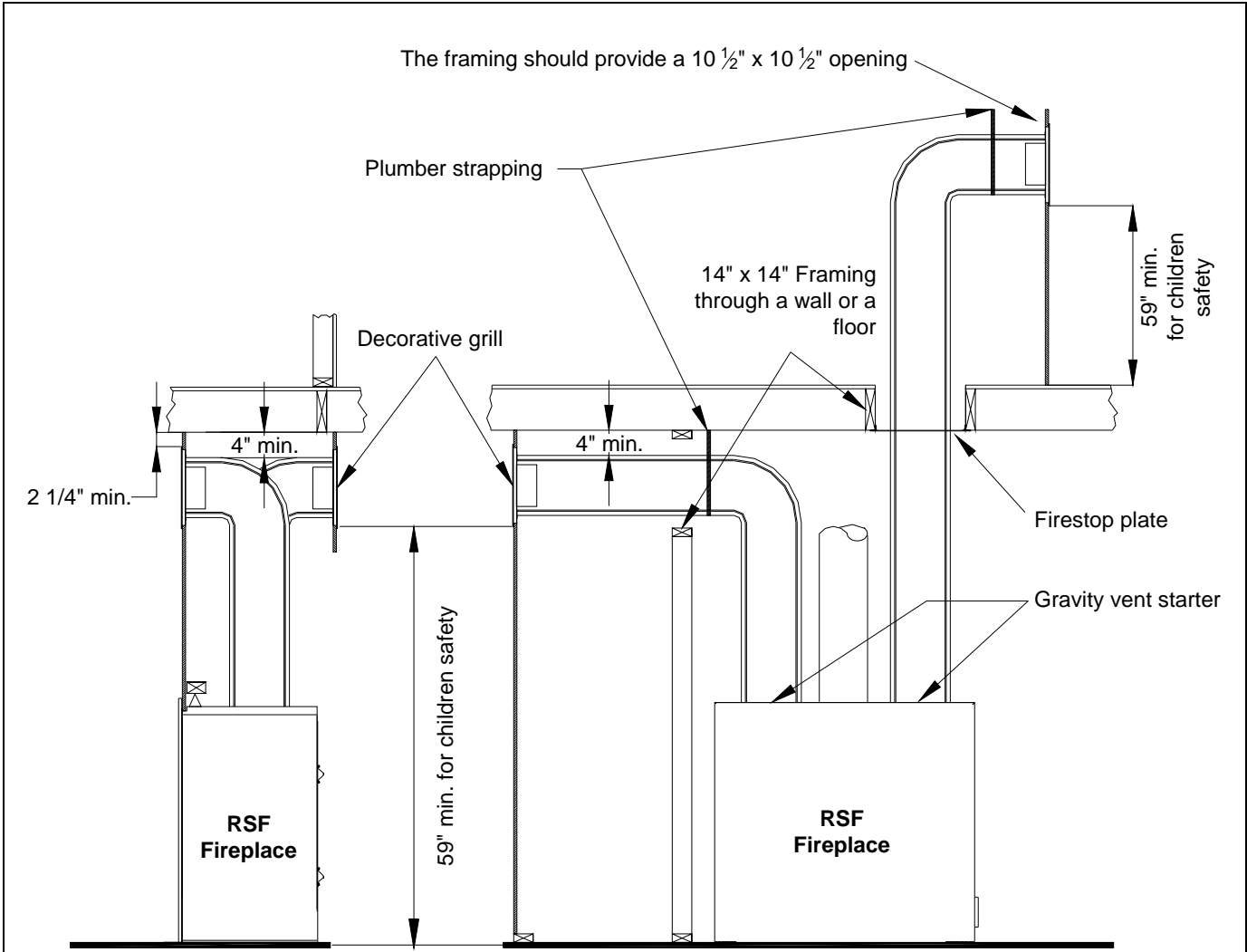
For an installation on a finished wall: identify the desired outlet location, cut a 12" x 12" hole in the gypsum board and frame the vertical sides of an opening 10 1/2" wide to accept the decorative grill adapter at that location. Refer to Figure 2.

In both cases, leave the decorative grill adapter close to the framed hole.

3. 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.

4. Bend down the three tabs appropriate for your fireplace model (see Figure 4) 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.
5. Install the insulated flexible duct on the gravity vent starter. The insulated flexible duct needs to completely cover the part of the gravity vent starter that is standing above 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.
6. Extend the insulated flexible duct as desired. You may need some plumber's strapping to support the duct if it runs horizontally. Make sure to respect the 4" minimum clearance between the outside of the duct and the floor structure above.
7. Pull the insulated flexible duct out of the framed hole at the outlet location. Install the insulated flexible duct on the decorative grill adapter. The duct goes on the round sleeve on the same side as the standoff brackets. You will have to squeeze the insulation between the sleeve and the standoff brackets. Using three of the self-tapping screws with three flat washers provided, screw through the insulated flexible duct to attach it to the decorative grill adapter.
8. Place the decorative grill adapter in the framed hole. Fasten it into place securely using four wood screws (not provided) through the pre-punched holes.
9. You can now finish the wall around the decorative grill adapter. The gypsum board is installed flush with the perimeter of the decorative grill adapter. Once the wall has been completed, install the decorative grill with the black screws provided. The gravity vent is now ready for operation.

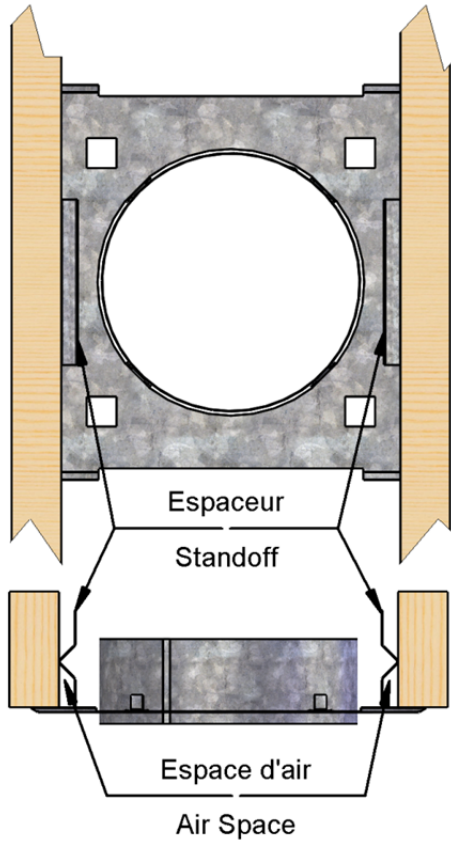


Make sure to respect the clearance between the outside of the duct:

- and the floor structure above: 4" minimum
- and the floor structure under: 2" minimum
- and the vertical wall structure: 2" minimum

**Figure 1 Gravity Vent Clearances**

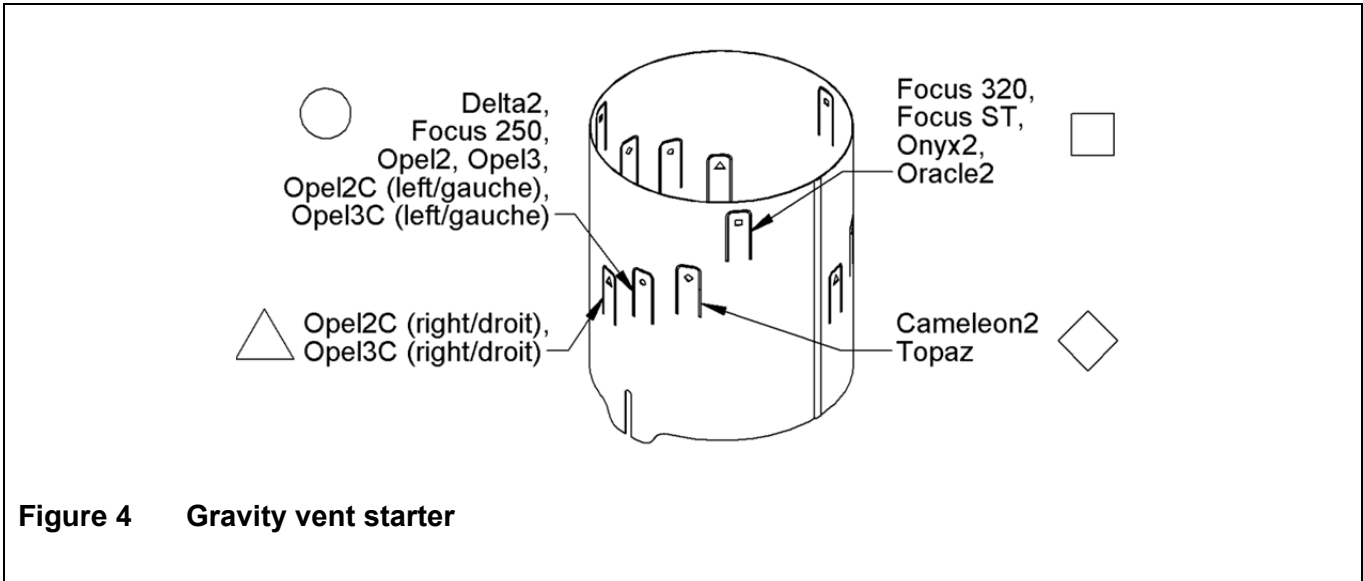
NO FRAMING PERMITTED ABOVE



**Figure 2 Grill Adapter Framing**



**Figure 3 Insulated Flexible Duct Installation over the Starter**



**Figure 4 Gravity vent starter**

**Check List:**

- 1 Gravity vent starter (FO-V2-D01)
- 1 Decorative grill adapter (FO-V2-A02)
- 1 Decorative grill (979028)
- 1 Firestop plate (FO-V2-D06)
- 1 Insulated flexible duct (979020)
- Bag containing 4 black screws 1 1/4" (903001) , 9 self-tapping screws #8-3/4" (901015) and 6 flat washers 3/4" (904005)
- Instructions and check list

**INITIALS**