

EO-SG

Square Grills for 8' Ceiling

These grills are required for installation of a Renaissance Linear 50 Fireplace that is installed in a room with a ceiling that is between 8' and 9' high. The square grills provided with this option will replace the rectangular hot air outlet grills provided with the Renaissance Linear 50 Fireplace.

Square Grill Specifications

Square Grill Width and Height	13" (330 mm)
Minimum Ceiling Height required: Measured from the bottom of the bottom standoff to the lowest point of the ceiling above the fireplace. Applies both to the inside and outside of the fireplace enclosure.	8' (2.44 m)
Minimum clearance from the top of the SG grill adapter to the ceiling	6" (152 mm)
Minimum height from the top of the fireplace to the bottom of the SG grill adapter	12" (305 mm)
Framing around the SG Hot Air Outlets	Non-Combustible
Wall Surface around the SG Hot Air Outlets	Combustible or Non-Combustible
Minimum Width of non-combustible framing: centered on the SG grill adapter	24" (610 mm)
Minimum Height of non-combustible framing: centered on the SG grill adapter	24" (610 mm)
Maximum Length of each Outlet Duct	15' (4.57 m)

WARNING: ONLY USE GRILLS CERTIFIED BY RENAISSANCE FIREPLACES. SUBSTITUTING THE GRILLS PROVIDED WITH THE FIREPLACE OR FIREPLACE OPTIONS WILL RESULT IN LOSS OF WARRANTY AND POSE A FIRE HAZARD.

DO NOT BLOCK AIR FLOW IN FRONT OF THE INTAKE GRILLS. YOU MUST ALLOW FREE AIR MOVEMENT.

WARNING: THE TWO HRS AIR INTAKES ARE STILL REQUIRED. FOLLOW INSTALLATION INSTRUCTIONS PROVIDED WITH THE LINEAR 50 FIREPLACE, ONLY SUBSTITUTING THE AIR OUTLET GRILLS PROVIDED WITH THE FIREPLACE FOR THE SQUARE GRILLS FOR 8' CEILING.

FRAMING OF THE SQUARE GRILLS FOR 8' CEILING MUST BE NON-COMBUSTIBLE.

1. Locate the two 10" diameter flexible ducts provided with the Linear 50 Fireplace. Cut off the rectangular portion of the duct so that the round adapters provided with the 8' ceiling kit will fit (see Figure 1).
2. The outlet grill adapter is designed to be installed underneath the gypsum board in the wall, directly onto the steel stud framing (see Figure 3 and Figure 4).

For an installation on an unfinished wall: identify the outlet's desired location and frame with **steel studs** a 11" x 11" hole to accept the square outlet adapter at that location.

For an installation on a finished wall: identify the desired outlet location, cut a 12" x 12" hole in the gypsum board and frame with **steel studs** the opening to 11" x 11" to accept the square outlet adapter at that location.

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



Figure 1 Cutting the Insulated Flexible Duct

3. Install the insulated flexible duct onto the outlet starter (see Figure 2). The outlet starter has been installed on the fireplace at the factory. The insulated flexible duct needs to completely cover the part of the outlet starter that extends above the fireplace. Using three of the self-tapping screws with three flat washers provided with the fireplace, screw through the insulated flexible duct to attach it to the outlet starter.
4. Extend the insulated flexible duct as desired using up to two additional 5' extensions if necessary (EO-DUCT). You may need some perforated steel strapping (plumber's strapping) to support the duct if it runs horizontally – never perfectly horizontal, keep a slope of at least 1" for every 1' length. Make sure to respect all the minimum clearances specified above.

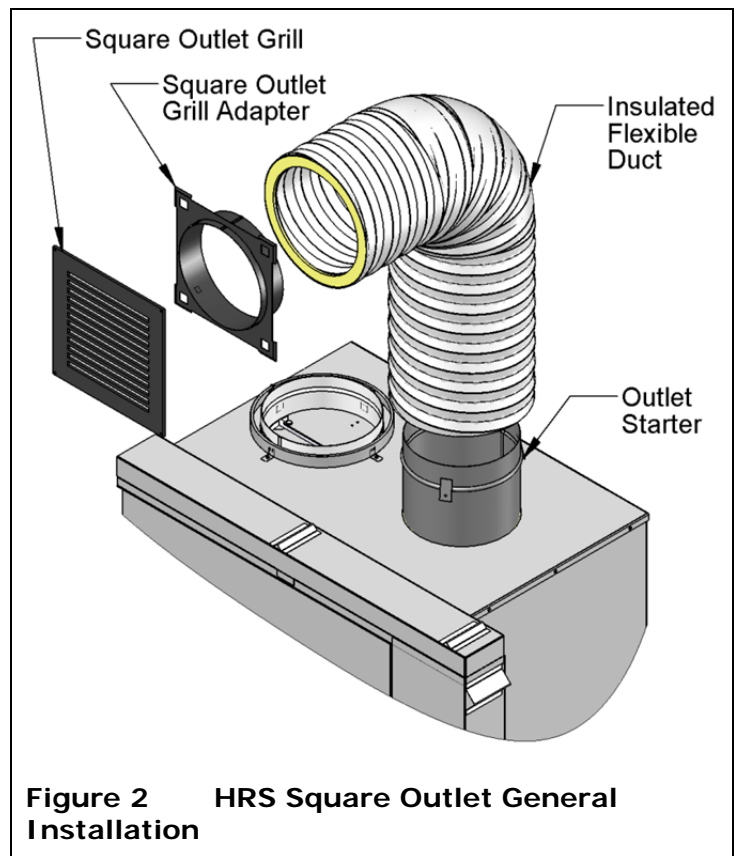


Figure 2 HRS Square Outlet General Installation

5. Pull the insulated flexible duct through the framed hole at the outlet location. Install the outlet adapter onto the insulated flexible duct using three of the self-tapping screws and three of the flat washers provided.

6. Fasten the outlet adapter to the steel stud framing using four screws (not provided) through the pre-punched holes.
7. You can now finish the wall around the outlet adapter using gypsum or cement board. The wall should be finished flush against the perimeter of the outlet grill adapter. Once the wall has been completed, install the square grill with the black screws provided.
8. Repeat the steps above for the second HRS Outlet.

