

Tankless Technical Bulletin

Condensing Tankless - Short Vent with 3" Termination

When installing the Rheem Condensing Tankless Water Heaters (Models RTGH-95DV or RTGH-84DV) using the SP20286 (RXGY-G01) vent termination kit, the openings for the exhaust and intake vents may not line up when trying to use the shortest vent run possible.

To get them to line up the air intake will need to be offset slightly using two 22½° PVC bends as shown in Figure 1. This brief instruction will explain how to install the venting with the shortest horizontal vent possible using the termination kit.

All instructions and guidelines outlined in the Use and Care Manual provided with the water heater as well as the termination kit must be followed.

You will need the following materials in addition to the heater and termination kit: (2) 3" 90° PVC bends, (2) 3" 22½° Bends, a length of 3" Schedule 40 PVC, PVC Cement, PVC Cleaner, and Caulking.

Mount and install the heater as per the instructions. At the center line of the heater mark a center for a 3¾" hole at 15.1" from the center of the top hole on the tankless mounting bracket. Mark for a second 3¾" hole 3.9" to the left of the heater center line level with the first mark. Drill or cut a 3¾" hole through the wall at each location.

Measure the wall thickness from the outside of the wall surface to the inside. Cut two pieces of 3" Schedule 40 PVC, one the wall thickness plus 5½" inches, this will be the exhaust. Cut the second piece the wall thickness plus 2½" inches, this is the intake. Cut the following additional 3" PVC vent lengths: (2) 3" Lengths, (1) 4" length, (1) 13" length.

Dry fit the vent pieces together to ensure the fit and align the joints. Mark the alignment of the joints with a permanent marker and disassemble the dry fit the fittings and PVC piping. Clean the fittings and PVC and carefully glue the vertical sections together with PVC cement aligning the markings. Glue these into the top of the heater and then glue in the wall lengths, and attach the vent termination wall bracket to the outside of the home. Caulk around the outside of the termination wall bracket and install the termination cap using the hardware provided.

Contact Technical Services 1-800-432-8373 with any questions.

Note: Pipe fittings by various manufactures may vary in dimensions, adjustment of the cut lengths may be necessary.

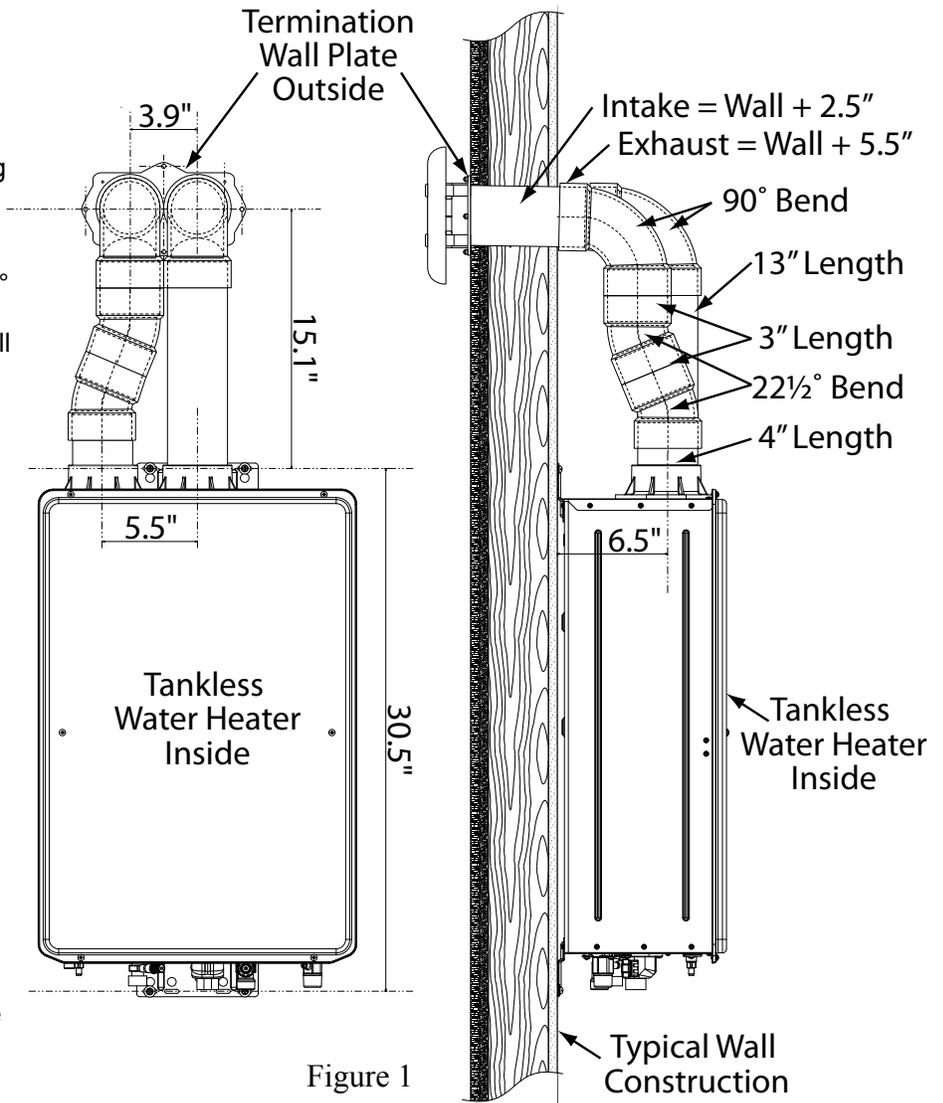


Figure 1

This drawing is intended as a guide only. It is not to be used as an alternative to a professionally engineered project drawing. This drawing does not imply compliance with local building codes. Installation may vary, depending on installation location, and must be done in accordance with all local building codes. Consult with local building officials prior to installation.

In keeping with its policy of continuous progress and product improvement, Rheem reserves the right to make changes without notice.

Tankless water heaters
Endless hot water



Rheem Water Heating
101 Bell Road
Montgomery, AL 36117-4305
www.rheem.com