

Tankless Technical Bulletin

Vertical Venting - Zero Clearance - Demand Pumps

Vertical Venting

In the past, we required to have a horizontal offset and a form of condensation collector (in-line or condensate tee) for any of our Tankless water heater installations terminated with vertical vent configuration. Effective with this notice Rheem will allow a straight vertical vent run off the top of the water heater provided that a vertical condensate collector, as designed by the appropriate vent manufacturer, is installed as close to the tankless water heater as possible. All other considerations, clearances, and installation requirements as outlined in the Use and Care Manual must be met.

See our Tankless Application Drawing RTG11171 and RTG11172 for information and suggested components.

Zero Clearance DV Venting

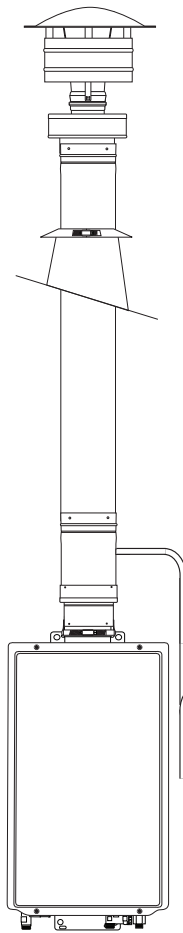
Previously, Rheem has required a one (1) inch clearance around concentric vent piping to combustible surfaces for our tankless water heaters. Through testing we have certified that a clearance of zero (0) inches is acceptable to combustible and non-combustible surfaces. Effective with this notice a clearance of zero (0) inches to combustible and non-combustible surfaces for our Direct Vent (DV) concentric venting for our RTG-66 and RTG-53 Series Direct Vent water heaters is acceptable.

Demand Pump Systems

While we have allowed return circulation with our tankless products, we have in turn reduced the warranty of those products in installations where water is re-circulated through the tankless unit. These types of applications typically include hot water on demand plumbing system composed of a return circulation loop and a high flow pump. These types of systems can put undo stress on a tankless water heater and dramatically shorten the life expectancy of the unit, thus we reduce the applicable warranty under those conditions.

In consideration of these types of applications, and seeing more and more tankless water heaters being installed under these circumstances, it is our recommendation that only a Demand Pump System be used. This is a pump system that works via a push button or motion detector that will activate a small high flow pump for a short duration to bring hot water from the tankless unit to the desired fixture location. These pumps typically include some circuitry to limit the amount of operation time, not a timer, and have an integrated thermostat that will shut off the pump when the hot water reaches the fixture. There are several different brands and manufactures of such systems, the use of these systems with a Rheem Tankless Water Heater will not impact or affect the warranty. A system that uses a timer to control the operation is NOT considered a demand pump. Any other recirculation system, continuous, timer, thermostatic, domestic heat, or any application where the water is re-circulated through the tankless water heater, will reduce the warranty of the Rheem Tankless Water Heater to 3-Years on the heat exchanger and parts.

See our Tankless Application Drawing RTG11154 for information.



Typical 66DV
Vertical 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



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