

# TRITON® Quick Start Guide

PEEL HERE  
TO OPEN



## BEFORE YOU BEGIN

Gather required additional tools



Multi Meter



Manometer



Combustion Analyzer (optional)



SCAN CODE  
for additional information  
and videos

# A Successful Install **STARTS HERE**



**INSPECT SHIPMENT**  
Check for any damage that may have occurred during shipping or handling.



**PREPARE THERMAL EXPANSION TANK**  
Make sure the thermal expansion tank is properly sized for the application and pressurized to the building static water pressure.



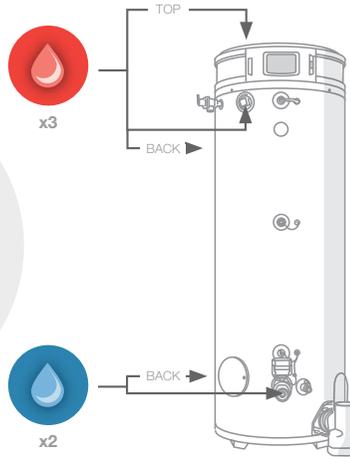
**LOCATE EXHAUST TEE & NEUTRALIZER**  
The exhaust tee and neutralizer are shipped with the water heater in a separate box and need to be connected for proper operation.

## WATER CONNECTIONS

### Step 1, Connect the Inlet and Outlet

Five water inlet and outlet connections at the top, side and bottom for easy piping

- Two 2" Water Connection Ports on Front
- Two 2" Water Connection Ports on Back
- One 1-1/2" Water Connection Port on Top



### INSTALLER TIP

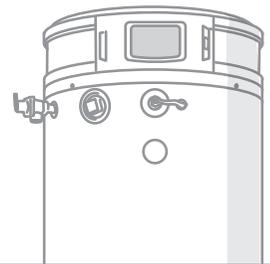
- Remember to fill water heater **before** startup

## GAS CONNECTION

### Step 2, Connect the Gas Line

For best performance:

- Ensure that all gas connections, regulator(s), and meter are sized properly for the BTU/h rating (See Installation Manual for charts)
- **Regulator should be a minimum of 8' from the water heater**
  - If installing more than one water heater, make sure each water heater has a regulator
- Check all connections and fittings for leaks



## VENTING

### Step 3, Hook Up the Intake and Exhaust

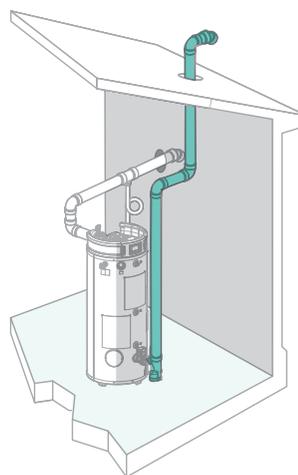
For optimum performance, proper venting is essential.

Here are a few tips for installation:

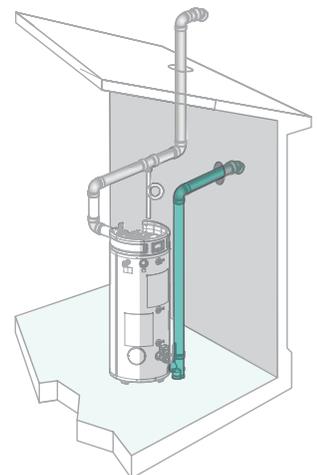
- Calculate total equivalent feet.
  - 90° and 45° elbows reduce the equivalent vent length by these values

- Ensure that vent runs are sloped (1/4" per foot rise recommended)
- Install condensate drain / loop for air intake
- Rheem recommends long sweep elbows when possible

<p>Short Sweep 90° Elbow</p>  <p><b>10'</b> Straight Equivalent</p>	<p>Standard Sweep 90° Elbow</p>  <p><b>8'</b> Straight Equivalent</p>
<p>Long Radius Sweep 90° Elbow</p>  <p><b>5'</b> Straight Equivalent</p>	<p>Standard 45° Elbow</p>  <p><b>2.5'</b> Straight Equivalent</p>



Direct Vent  
Vertical Vent  
**Horizontal Intake**



Direct Vent  
Horizontal Vent  
**Vertical Intake**

## VENTING (con't)

MINIMUM AND MAXIMUM VENT LENGTHS						
POWER VENT	Max Vent Length (Eq. Ft.) Rigid Pipe Diameter					
	2" (5 CM)		3" (8 CM)		4" (10 CM)	
	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet
INLET MODELS						
GHE80SU-130(A) GHE80SU-160(A)	1 (0.31 m)	20 (6.1 m)				
GHE80SU-200(A) GHE80SU-300(A)	N/A	N/A				
GHE100SU-130(A) GHE100SU-160(A)	1 (0.31 m)	20 (6.1 m)	1 (0.31 m)	135 (41.1 m)	1 (0.31 m)	185 (56.4 m)
GHE100SU-200(A) GHE100SU-250(A)						
GHE100SU-300(A)	N/A	N/A				
GHE100SU-350(A) GHE100SU-400(A)			1 (0.31 m)	65 (19.8 m)	1 (0.31 m)	100 (30.5 m)
	Min Vent Length (Eq. Ft.) Rigid Pipe Diameter					
All applicable models	1 (0.31 m)	15 (4.6 m)	1 (0.31 m)	15 (4.6 m)	1 (0.31 m)	15 (4.6 m)

All venting lengths shown are for up to 8000 ft altitude. See the Use and Care Manual for models with altitudes above, and/or inlet/outlet specs for models with 6" vent lengths.

MINIMUM AND MAXIMUM VENT LENGTHS						
POWER DIRECT VENT	Max Vent Length (Eq. Ft.) Rigid Pipe Diameter					
	2" (5 CM)		3" (8 CM)		4" (10 CM)	
	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet
INLET MODELS						
GHE80SU-130(A) GHE80SU-160(A)	20 (6.1 m)	20 (6.1 m)				
GHE80SU-200(A) GHE80SU-300(A)	N/A	N/A	60 (18.3 m)	75 (22.9 m)	120 (36.6 m)	135 (41.1 m)
GHE100SU-130(A) GHE100SU-160(A)	20 (6.1 m)	20 (6.1 m)				
GHE100SU-200(A) GHE100SU-250(A)			65 (19.8 m)	75 (22.9 m)	120 (36.6 m)	135 (41.1 m)
GHE100SU-300(A)	N/A	N/A	65 (19.8 m)	75 (22.9 m)	120 (36.6 m)	135 (41.1 m)
GHE100SU-350(A) GHE100SU-400(A)			50 (15.2 m)	65 (19.8 m)	70 (21.4 m)	85 (25.9 m)
	Min Vent Length (Eq. Ft.) Rigid Pipe Diameter					
All applicable models	5 (1.5 m)	15 (15.2 m)	5 (1.5 m)	15 (15.2 m)	5 (1.5 m)	15 (15.2 m)

All venting lengths shown are for up to 2000 ft altitude. See the Use and Care Manual for models with altitudes above, and/or inlet/outlet specs for models with 6" vent lengths.



### INSTALLER TIPS

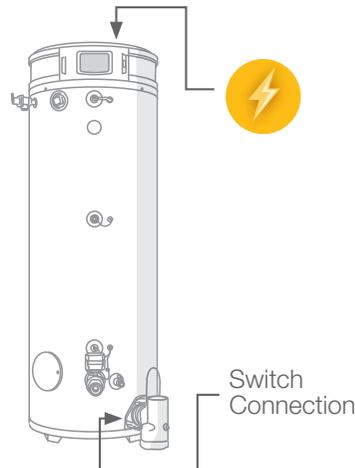
- Remember that the condensate trap is part of the exhaust tee and does not require extra plumbing
- Recommended minimum 3" vertical drop for every 4 ft. of horizontal run
- Plumb the condensate line for the proper size and run to avoid air bubbles, which can prevent drainage

## ELECTRIC CONNECTION

### Step 4, Connect the Electrical

To ensure proper ignition:

- Ensure all electrical connections are secure
- Use correct polarity
- Connect to a 120VAC – 50/60 Hz power supply
- Ensure water heater is properly grounded back to the main breaker box with minimum 12 gauge
- Ensure breaker is sized properly for 7 AMP service per water heater



### INSTALLER TIPS

- Connect the yellow wires from the water heater to the exhaust pressure switch
- Connect the white wires from the heater to the flue temperature sensor

## FINAL STEPS

### Step 5, Complete the Setup

Once power is applied to the water heater and the **'On'** button is pressed, the LCD will automatically begin the **Startup Wizard**:

- Set the Time and Date
- Schedule Hours of Operation for the business – Enables Triton to save energy and money when the business is not operating
- Connect to WiFi – Enables users to receive leak and diagnostic alerts, usage reports and more

Follow the **on-screen instructions** to complete setup.



## CUSTOMER SERVICE

Have Questions,  
Need Help Troubleshooting?

Get the unit's Model and Serial Numbers ready and contact us:  
**US** 1.800.432.8373 / **Canada** 1.800.268.6966  
 Be sure to have your **Model and Serial Numbers** before calling customer service (located on the water heater's Rating Label)