

Super High Efficiency Gas Water Heater

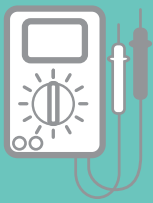
Quick Start Guide

PEEL HERE
TO OPEN



BEFORE YOU BEGIN

Gather required additional tools



Multi Meter



Manometer

NEED MORE INFORMATION?

Easily access product specifications and manuals, quickly register a product warranty and more by scanning the QR Code.

- Locate the Rating Plate on your water heater. The rating plate contains the water heater's serial number and model information.
- Using your mobile phone, scan the QR Code located on the Rating Plate.
- View specific water heater model documentation on the QR code landing page.

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 NEUTRALIZER AND NEUTRALIZER ROCKS
Empty neutralizer rocks from bag into condensate tee. Pour 1 Cup of Water into exhaust tee to prime.



HIGH ALTITUDE INSTALLATION
When installing in regions where altitude is above 2000 feet above sea level, installation of High Altitude Dongle is **REQUIRED**. Refer to **Final Steps** for installation details

WATER CONNECTIONS

(Ref. Use & Care Manual, Installation, Water Connections)

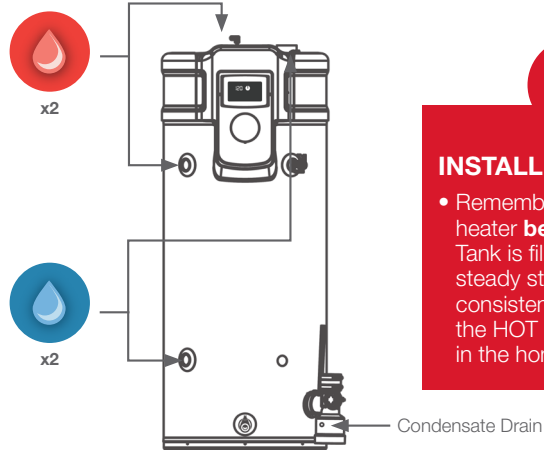
Step 1a, Connect the Inlet and Outlet

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

- Two 3/4" Water Connections on Front Right
- Two 3/4" Water Connections on Top

Step 1b, Connect Condensate Drain

- One 1/2" Water Connection on Exhaust Tee



INSTALLER TIP

- Remember to fill water heater **before** startup. Tank is filled when a steady stream of water is consistently flowing thru the **HOT** side of a faucet in the home.

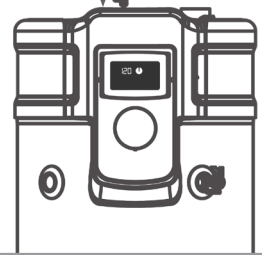
GAS CONNECTION

(Ref. Use & Care Manual, Installation, Gas Supply)

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
- **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

(Ref. Use & Care Manual, Installation, Vent and Combustion Air Inlet)

Step 3, Hook Up the Intake and Exhaust

For optimum performance, proper venting is essential.

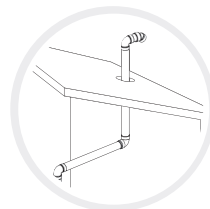
Here are a few tips for installation:

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

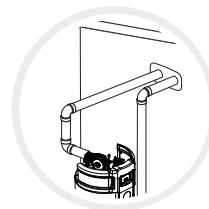


- Ensure that vent runs are sloped (1/4" per foot rise recommended)
- Install condensate drain / loop for air intake
- Rheem recommends long sweep elbows when possible

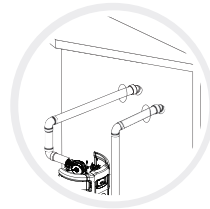
Termination Types (90 degrees down on horizontal)



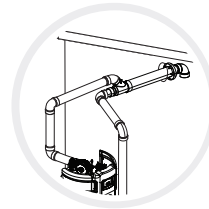
Snorkel



Flat

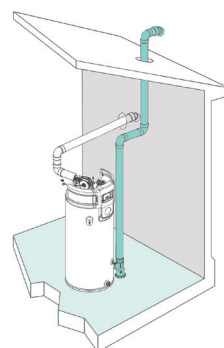


Side Wall

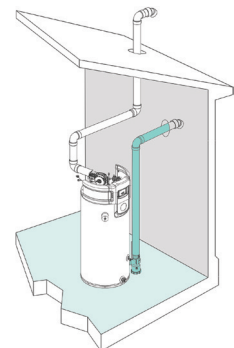


Concentric

Venting Options



Direct Vent, Vertical Vent
Horizontal Intake



Direct Vent, Horizontal Vent
Vertical Intake

Additional venting options: Horizontal Vent, Horizontal Intake and Vertical Vent, Vertical Intake are also available.

VENTING (con't)

ELEV. (FT.)	VENT SIZE (IN.)	40 & 50-GAL, 50K POWER VENT		40 & 50-GAL, 50K POWER DIRECT VENT				TERMINATIONS
		NAT MAX EQ. LENGTH (FT.)	LP MAX EQ. LENGTH (FT.)	NAT MAX EQ. LENGTH (FT.)		LP MAX EQ. LENGTH (FT.)		
				INTAKE	EXHAUST	INTAKE	EXHAUST	
0-2000	2"	50'	50'	50'	50'	50'	50'	2" AND 3" 90° ELBOWS, 2", 3" AND 4" CONCENTRIC AND 2" AND 3" PANCAKE
	3"	140'	140'	140'	140'	140'	140'	
	4"	140'	140'	140'	140'	140'	140'	
2000-5400	2"	50'	40'	50'	50'	40'	40'	
	3"	140'	110'	140'	140'	110'	110'	
	4"	140'	110'	140'	140'	110'	110'	
5400-7800	2"	50'	20'	50'	50'	10'	20'	
	3"	140'	110'	140'	140'	110'	110'	
	4"	140'	110'	140'	140'	110'	110'	
7800-10,100	2"	50'	N/A	50'	50'	N/A	N/A	
	3"	140'	N/A	140'	140'	N/A	N/A	
	4"	140'	N/A	140'	140'	N/A	N/A	

MINIMUM INTAKE AIR AND EXHAUST VENT: 10' EQUIVALENT LENGTH

NATURAL GAS MODELS CAN BE INSTALLED IN HIGH ALTITUDE LOCATIONS WITH INSTALLATION OF HIGH ALTITUDE DONGLE AS SHOWN IN HIGH ALTITUDE SECTION OF MANUAL

++LP GAS MODELS HAVE UNIQUE HIGH ALTITUDE MODEL NUMBERS. THEY ARE FACTORY SET FOR HIGH ALTITUDE OPERATION. HIGH ALTITUDE MODELS HAVE A 'H' DESIGNATION AT THE END OF THE MODEL NUMBER. REFER TO RATING PLATE FOR MODEL NUMBER.



INSTALLER TIPS

- Remember that the condensate trap is part of the exhaust tee and does not require additional 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

Note: Vent pipe size should not be mixed for venting these water heater. Use same diameter pipe for all venting of the unit. All power direct models can use 2" concentric venting only as listed in the above chart. 2" Concentric vent can only be used with 2" rigid piping. DO NOT mismatch concentric vent terminations with different rigid piping as it may cause the heater to malfunction or cause a lock-out condition unless specifically mentioned. 3" Concentric vent may be used with 3" and 4" venting.

PIPE SIZE (IN.)	FLEXIBLE POLYPROPYLENE PIPE (FT)			
	2"		3"	
	INTAKE	EXHAUST	INTAKE	EXHAUST
MAX PV	0	30'	0	30'

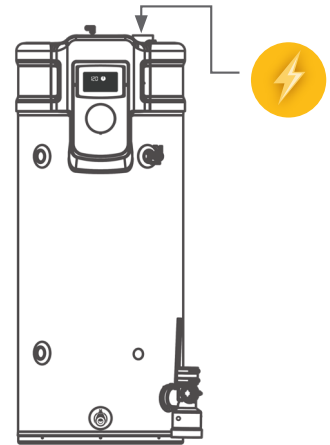
ELECTRIC CONNECTION

(Ref. Use & Care Manual, Installation, 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



FINAL STEPS

(Ref. Use & Care Manual, Installation, User Interface)

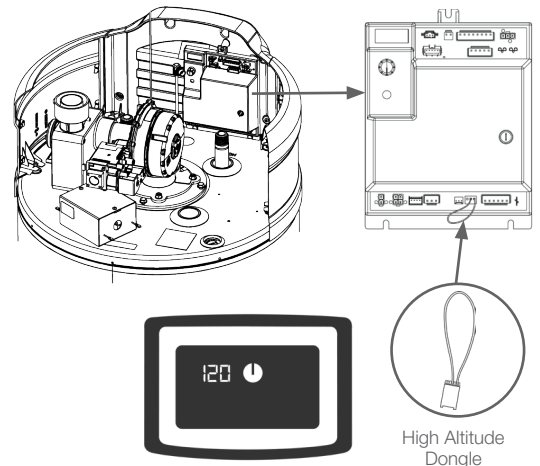
Step 5, Complete the Setup

High Altitude Dongle Installations

- With unit powered 'Off', locate the Ignition Control Module and install supplied High Altitude Dongle into the fifth plug position.

Once power is applied to the water heater:

- Adjust control knob to desired set point temperature
- If any A or T codes appear on the front panel display, refer to the U&C Manual



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)