

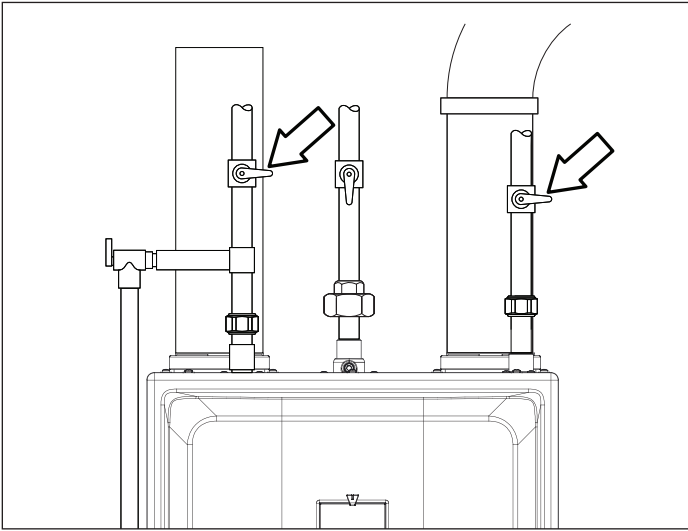
14. Maintenance

14.1 Draining the Water Heater

CAUTION

Hot water can cause burns to the skin. The water temperature is factory set to 120°F (49°C). To avoid burns, make sure the water heater is OFF and the power supply is disconnected. The water heater will remain hot for some time. Wait until the unit has completely cooled before draining the water heater or performing any other maintenance.

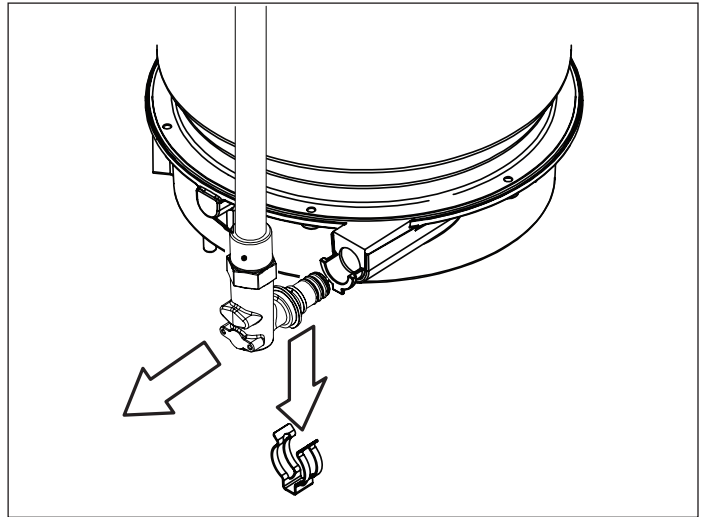
1. Press the Power button to turn OFF the water heater. Disconnect the electrical power.
2. Close the water supply inlet and outlet valves. The valve is closed typically when the handle is perpendicular to the pipe, as shown in the illustration.



3. Remove the front cover panel. Place a container or other method to retain/divert the water under the heat engine inlet.

Note: The water heater contains approximately one-half gallon of water. Make sure there is enough capacity to contain or divert the water from inside the water heater cabinet.

4. Remove the clip holding the pipe into the heat engine. Flex the pipe enough to allow the water to drain from the heat engine.



Note: Do not allow the water to pool or stand in the bottom of the water heater cabinet. Remove any spilled water with a clean, dry cloth.

5. When all the water has drained from the water heater, replace the pipe and the clip.

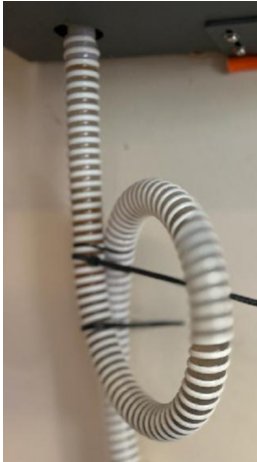
14.2 Filling the Water Heater

1. Open the hot water outlet valve. Slowly open the cold water inlet valve.
2. Open a hot water faucet. Once a steady stream of water flows and all the trapped air is purged from the system, close the hot water faucet.
3. Plug the unit into an electrical power supply.
4. Open a hot water faucet. The water heater should operate normally.

14.3 Condensate Hose cleaning

A condensate hose attached to the bottom of the unit should be removed and cleaned **every 3 months or as often as necessary**

1. The condensate is acidic, so please wear gloves. Have a container ready to capture any condensate that may be spilling.
2. Turn off the unit.
3. To remove the condensate hose, locate and pull the top of the hose from the water heater
4. Remove the other end of the condensate from the neutralizer or its connection.

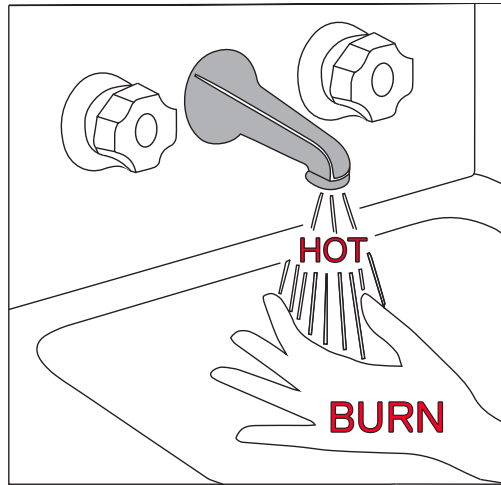


5. Pour water from the top of the hose and flip it to the drain
6. Pour water from the bottom of the hose and flip it to the drain
7. Pour water from the top to make sure water comes out from the bottom. Clean the loop.
8. Connect the condensate hose back to its original position
9. Turn ON the unit. Make sure there are no leaks coming out of the condensate connections.

14.4 T&P Test

The following procedures shall be performed with periodic maintenance to ensure the functionality of the T&P.

⚠ DANGER



⚠ WARNING

When testing the Temperature-Pressure Relief Valve's functionality, make sure that no one is standing in front of or near the discharge line's outlet. The discharged water may be hot and may cause injury to personnel.

⚠ CAUTION

Make sure that the surrounding area is clear of any objects. The discharged water may be hot and may cause property damage.

1. Operate the lever at the relief valve's end several times. Make sure that the valve functions properly.
2. The temperature-pressure relief valve must be replaced if it fails to completely reset and continues to release water.