



Tankless Combi-Boiler Package Installation Instructions

READ THIS FIRST

US Tankless Combi-Boiler Package Installation Instructions

Also included for reference are the following
manufacturer's installation and operating manuals:

Navien Condensing Combi-Boiler Installation & Operation Manual

Taco Circulating Pump Instruction Sheet

Viega Stainless Manifold Product Instructions





Tankless Combi-Boiler Package

INSTALLATION

STEP 1: Remove the unit from the packaging.

STEP 2: Inspect the unit for any damage that may have occurred during shipment.

STEP 3: Determine the best location to install the unit. **DO NOT** install the unit in areas with excessively high humidity or in areas where the unit is exposed to excessive amounts of water.

STEP 4: Connect the domestic water lines to the unit. The cold water gets connected to the line with the **BLUE** arrow and the hot water gets connected to the line with the **RED** arrow (see Figure 1 and Figure 2 below)



Figure 1

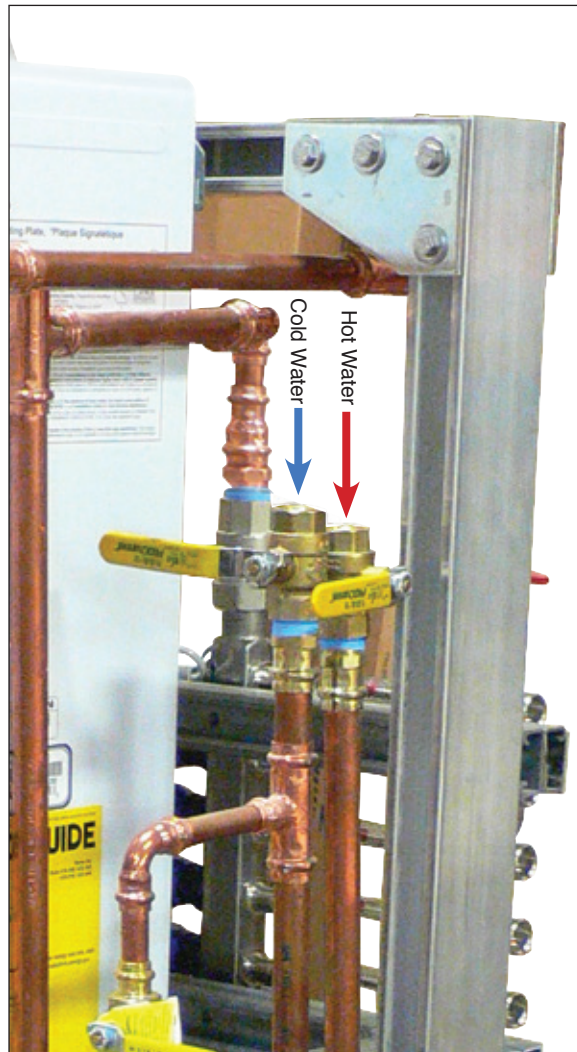


Figure 2



Tankless Combi-Boiler Package

INSTALLATION

STEP 5: Connect the radiant pex tubing to the manifold located on the back of the unit. The lines carrying the heated water to the system get connected to the **RED** connection points and the cool water returning to the system, gets connected to the **BLUE** connection points (see Figure 3 and Figure 4 below)

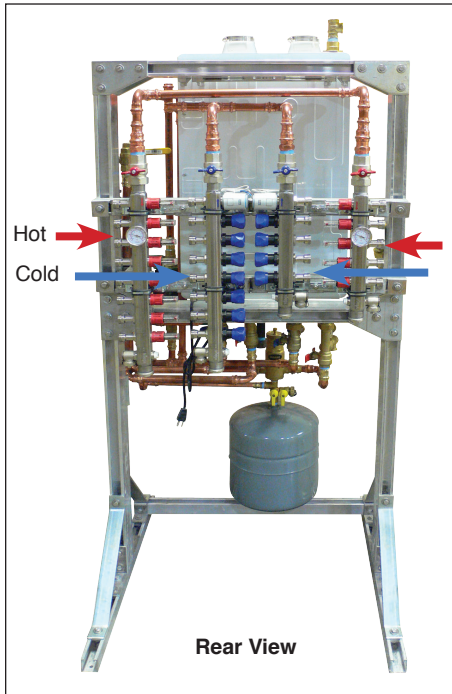


Figure 3

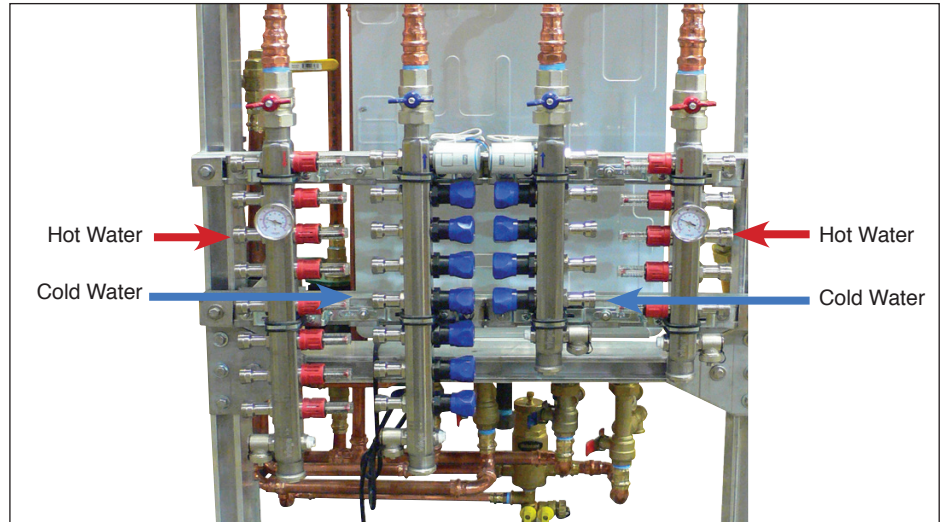


Figure 4

STEP 6: Connect the **YELLOW** gas line to the gas line located in the house. 1/2" gas line may be used if source is less than 24 feet from the unit (does not include elbows. Deduct 4.5' for 3/4" gas line and 3.6' for 1/2" gas line for each elbow). See Figure 5 and Figure 6 below.



Figure 5

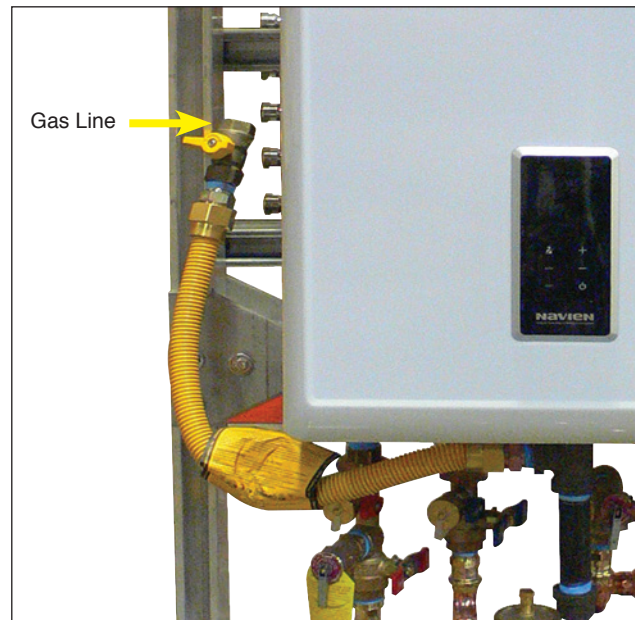


Figure 6



Tankless Combi-Boiler Package

INSTALLATION

STEP 7: Use either 2" or 3" PVC Schedule 40 piping to vent the unit (not supplied). There are two venting locations at the top of the Navien Combi-Boiler. One is the intake and the other is the exhaust. (See Figure 7 for venting locations).

NOTE: 2" piping can be used to a maximum length of 60' and 3" piping can be used to a maximum of 150'. (The max. length numbers do not include elbows. Deduct 8.5' for 2" pipe and 11' for 3" pipe for each elbow.) See the Navien Installation Manual for more details.



Figure 8

STEP 8: Connect the power cord to an outlet. 120VAC, 60HZ, minimum 2 Amp current with proper grounding is required.

AFTER INSTALLING

STEP 9: Open ALL valves. This includes the valves on the unit, the ports on the manifold that are being used, the water lines coming into the house, and the gas line.

STEP 10: Power on the Navien Combi-Boiler.

STEP 11: Check all connections to ensure there are no leaks.

STEP 12: Refer to the Navien Installation & Operation Manual, the Taco Circulator Pump Instructions, and the Viega Stainless Manifold Product Instructions to configure the unit for proper operation.