Prestige TriMax Boiler Manual Addendum

TriangleTube

This addendum replaces Section V in the Prestige Installation and Maintenance Manual

SECTION V - Installing Vent / Combustion Air & Condensate Drain

Installing Vent and Combustion Air

⚠ DANGER

The PRESTIGE must be vented and supplied with combustion air as shown in the PRESTIGE Vent Supplement, included in the boiler installation envelope. Refer to optional vent kit instructions for additional vent installation instructions. Once installation is completed, inspect the vent and combustion air system thoroughly to ensure systems are airtight and comply with the instructions given in the venting supplement and are within all requirements of applicable codes. Failure to comply with the installation requirements on the venting and combustion air piping will cause severe personal injury or death.

Installing Condensate Drain Assembly

1. Locate the condensate drain assembly and install as shown in Fig. 14.
2. A metal washer must be installed when installing the condensate drain assembly. On all models except the Solo 399, the metal washer must first be cut using a pair of diagonal cutting pliers to make it into a split washer. Insert the metal washer into the retaining nut and screw onto the condensate drain assembly without rubber gaskets. Use the condensate drain assembly as a tool to press the retaining nut with metal washer onto the polypropylene condensate pan. Unscrew the condensate drain assembly and proceed to the next step.

⚠ WARNING

Ensure installation of the condensate drain assembly included the metal washer. Failure to comply could result in the trap assembly dislocating from the boiler.

NOTICE

The installer may want to fill the condensate trap with water prior to assembling on the unit.

3. Slide the rubber seals from the condensate drain assembly over the heat exchanger condensate drain nipple. Connect the condensate drain assembly to the retaining nut and tighten.

⚠ WARNING

Ensure the condensate drain assembly contains the plastic seated ball. Do not install the condensate drain assembly if the ball is lost or missing, replace the entire assembly.

4. Remove the compression nut and rubber seal from the drain outlet.
5. Using 3/4" x 2' flexible PVC tube provided, slide the compression nut and rubber seal over the pipe

NOTICE

The use of 3/4" PVC or CPVC pipe is also acceptable. If 3/4" pipe is used deburr and chamfer pipe to allow mating onto the drain assembly.

6. Thread the rubber seal into the compression nut to ease installation of the pipe to the drain assembly.
7. Seat the pipe onto the drain assembly and tighten the compression nut. **Hand tight only!**

NOTICE

The installer may opt to using 13/16" ID tubing in lieu of rigid piping.

NOTICE

The drain line materials must be an approved material by the authority having jurisdiction. In absence of such authority, PVC and CPVC piping must comply with ASTM D1785 or D2845. The cement and primer used on the piping must comply with ASME D2564 or F493. For installations in Canada, use CSA or ULC certified PVC or CPVC pipe, fittings and cement/primer.

8. Continue the pipe from the drain assembly to a floor drain or condensate pump.

NOTICE

When selecting and installing a condensate pump, ensure the pump is approved for use with condensing boilers and furnaces. The pump should be equipped with an overflow switch to prevent property damage from potential condensate spillage.

9. The PRESTIGE will typically produce a condensate that is considered slightly acidic with a pH content below 3.0. Install a neutralizing filter if required by authority having jurisdiction.

⚠ CAUTION

The condensate drain must remain filled and unobstructed and allow unrestricted flow of condensate. The condensate should not be subject to conditions where freezing could occur. If the condensate is subjected to freezing or becomes obstructed , it can leak, resulting in potential water damage to the boiler and surrounding area.

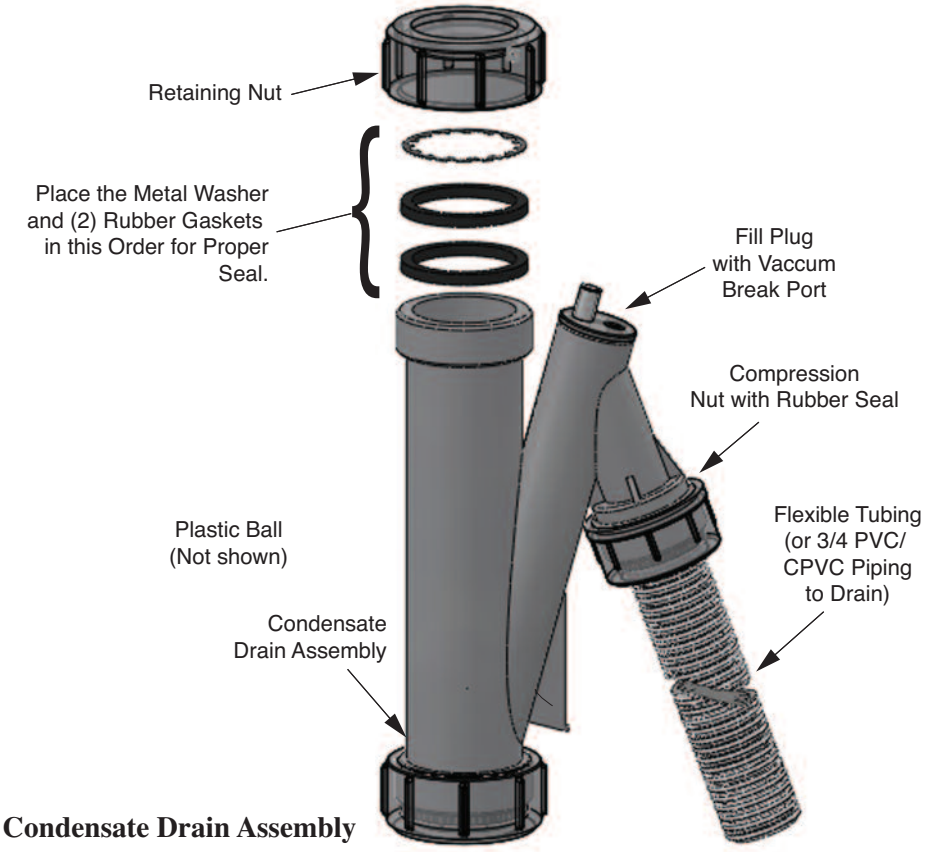

Fig. 14: Condensate Drain Assembly