

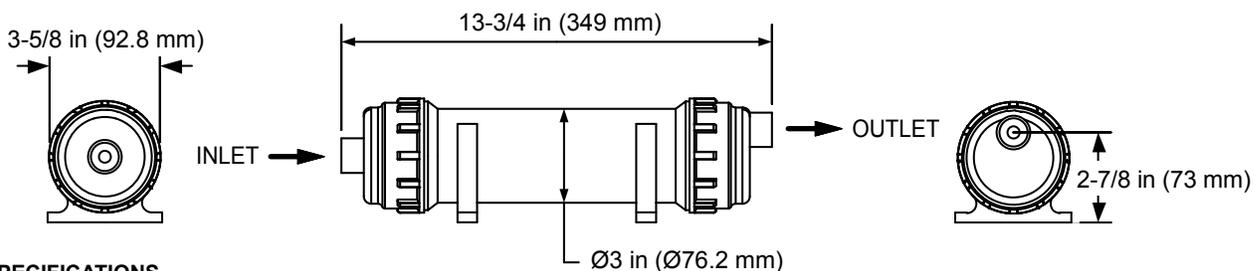
## INTRODUCTION

### **WARNING**

Please follow these installation instructions carefully in order to avoid a safety hazard and/or injury.

- “Risk of damage to appliance”. The neutralizer kit inlet and discharge must be at a lower elevation than the condensate drain from appliance.
- Do NOT allow exhaust flue gases to vent through the neutralizer kit. All condensate drains must have a trap to prevent flue gas leakage. Flue gas leakage can cause injury or death from carbon monoxide.
- Connection to the appliance and neutralizer kit must be installed to ensure that no condensate backflow can occur into the appliance.
- Do not connect more than ONE appliance to the neutralizer kit.

## INCLUDED PARTS AND DIMENSIONS



## SPECIFICATIONS

**Neutralizer Kit Part No.:** GXXX001322  
**Replacement Media Part No.:** GXXX001323  
**Max Flow Rate:** 1.6 gph (6.05 lph)  
**Weight:** 4.4 lbs (2 kgs)

## Condensate Neutralizer Kit Includes:

- One (1) clear corrosion-resistant neutralizer housing with 3” openings (0.26 gallon / 1 liter volume)
- 1/2”-14NPT threaded INLET and OUTLET
- Two (2) 1/2” MNPT and One (1) 1/2” FNPT hose barb fittings
- One (1) barbed Y-fitting
- One (1) 10-foot length of 1/2” ID vinyl tubing and Six (6) hose clamps
- Two (2) base/wall mounting clamps

## OPERATION

- The appliance condensate will flow through the neutralizing media, raising the pH of the condensate to a level that will help prevent corrosion of the domestic drain and the public sewer system.

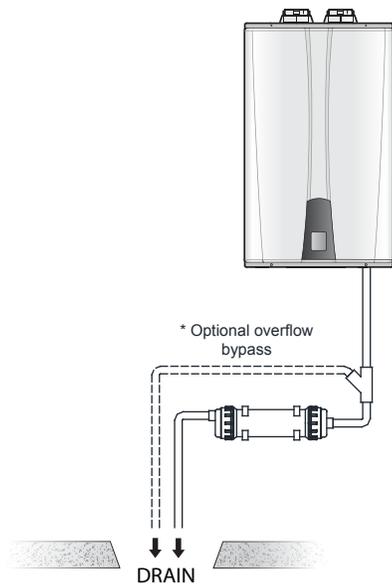
## PREPARE FOR INSTALLATION

- The INLET has a center connection port and the OUTLET has an offset connection. Mount the neutralizer unit on the wall or floor by securing it with the provided brackets.
- When mounting the neutralizer in the **horizontal** position, rotate the tube so the outlet is at its highest point (Figure 1). When mounting in the **vertical** position, ensure the outlet is at a higher elevation than the inlet (Figure 2). The preferred mounting method is in the **horizontal** position. Ensure that the condensate will flow freely from the appliance drain into the neutralizer then to the drain.
- Connections to the appliance and neutralizer kit must be installed to ensure that no condensate backflow can occur. Connect corrosion resistant piping and secure it to the floor or wall to prevent movement.

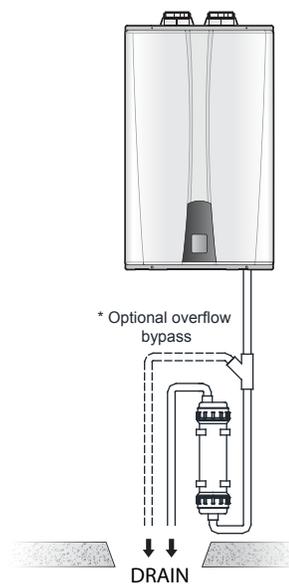
**NOTE:** Do not route the condensate line through any area that is exposed to freezing temperatures. If personnel traffic poses a risk, install some protection to prevent movement and/or damage.

## INSTALLATION (continued)

- The Y-fitting is a safety overflow in the event that the condensate drain becomes clogged. Mount as per the installation diagram. Ensure that the condensate will flow freely from the appliance drain into the neutralizer then to the drain.
- Access to the discharge is necessary for proper maintenance in order to check the effectiveness of the neutralizing media using pH test strips.
- If there is no gravity drain available, install a condensate removal pump designed for use on condensing boilers and water heaters.



**Figure 1: HORIZONTAL Installation**



**Figure 2: VERTICAL Installation**

### Neutralizer Installation in Horizontal and Vertical Positions

## MAINTENANCE

- Monitor the level of the neutralizer media in the unit periodically. Check the pH level at the outlet of the neutralizer kit annually and use a suitable pH test strip paper or an electronic pH meter for precise measurement. The neutralizing media should be replaced when the pH level drops below the minimum level of the local water authority (media replacement is recommended for pH levels below 6.0). For replacement media, contact Navien America.

## LIMITED WARRANTY

- The unit is warranted against defects in materials and workmanship for **ONE YEAR**. The warranty does NOT cover issues that result from misuse, improper installation, and/or failure to replace the media.