

CNH-4K/CNHK-4K-Series CONDENSATE NEUTRALIZATION KIT INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS

Installation Instructions

NOTE - Check with your local water authority for regulations regarding discharge of treated condensate to the drain or sewer system.

⚠ WARNING

- This product can expose you to Silica, crystalline (airborne particles of respirable size) which is known in the state of California to cause cancer. For more information go to www.P65Warnings.ca.gov
- “Risk of damage to appliance”. The neutralization 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 neutralization 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 neutralization kit must be installed to ensure that no condensate backflow into the appliance can occur.

The inlet has a center connection port and the outlet connection is off center. Mount the neutralization capsule on the wall or floor securing it with the provided brackets. When mounting capsule in the horizontal position rotate the tube so the outlet is at its highest point (Figure 1 and 2). When mounting in the vertical position ensure the outlet is at a higher elevation than the inlet (Figure 3). The preferred mounting method is in the horizontal position.

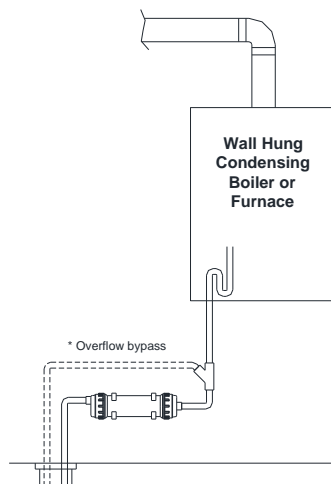


Figure 1.

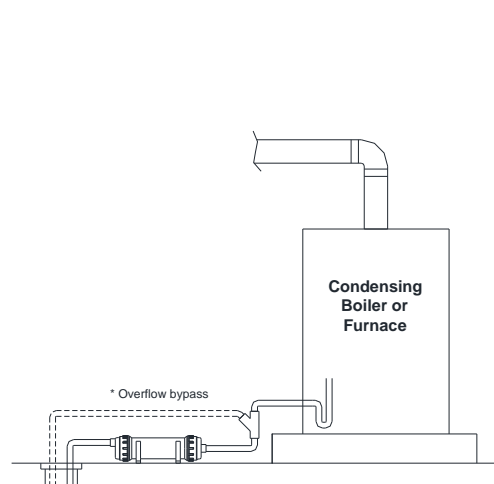


Figure 2.

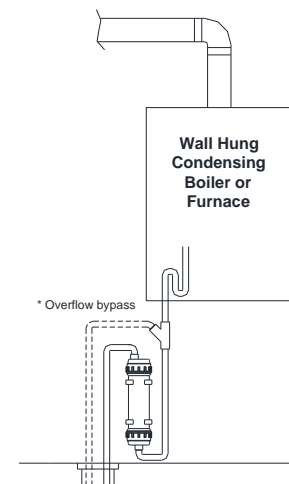


Figure 3.

* Safety overflow in the event the condensate drain becomes clogged

Connections to the appliance and neutralization 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. Do not route the condensate line through any area that is exposed to freezing temperatures. If traffic poses a risk, install some protection to prevent movement and/or damage. Install a Y or T-fitting as a safety overflow in the event that the condensate drain becomes clogged. Mount as per installation diagram. Any connection supplied with the CNH-4K/CNHK-4K unit should be installed after the trap. Ensure that the condensate will flow freely from the appliance drain into the capsule 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 furnaces. The condensate pump must be equipped with an over flow switch to prevent the appliance from running should a failure occur.

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.

Maintenance

Monitor the cleanliness, level of the neutralization media, and pH level in the capsule monthly. Remove any precipitate coating or debris found to prevent blockages. Check the pH level at the outlet of the neutralizing kit using 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, or after one year, whichever comes first. For replacement media contact your local DiversiTech distributor.

Limited Warranty

The unit is warranted against defects in materials and workmanship for one year.