

## CNV-4K WALL HUNG 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**

- “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.
- 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](http://www.P65Warnings.ca.gov)

Open the capsule and ensure media is level inside. If necessary, the orientation of the CNV-4K can be reversed by removing the wall bracket and moving it to the other side of the lid. (see figure 1 below). Mount the neutralization capsule on the wall securing it with the provided wall bracket (see figure 2 and 3 below).

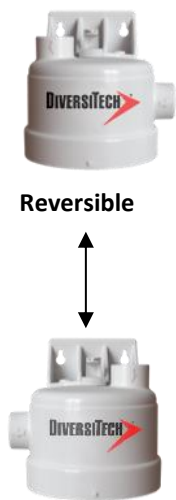


Figure 1

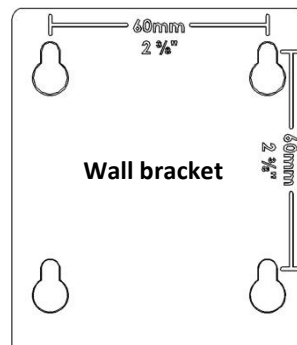


Figure 2

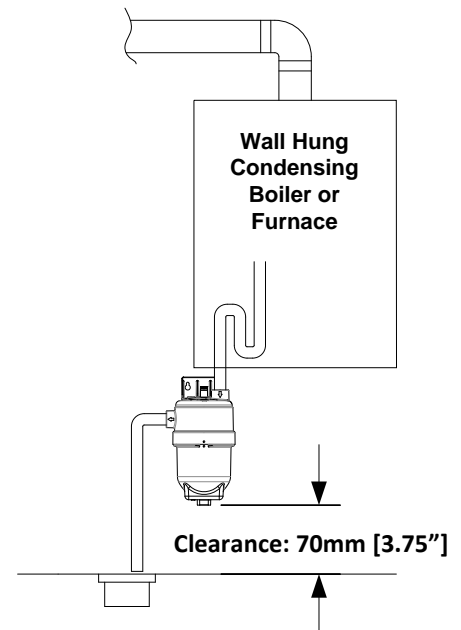


Figure 3

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 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. Mount as per installation diagram. The CNV-4K 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.

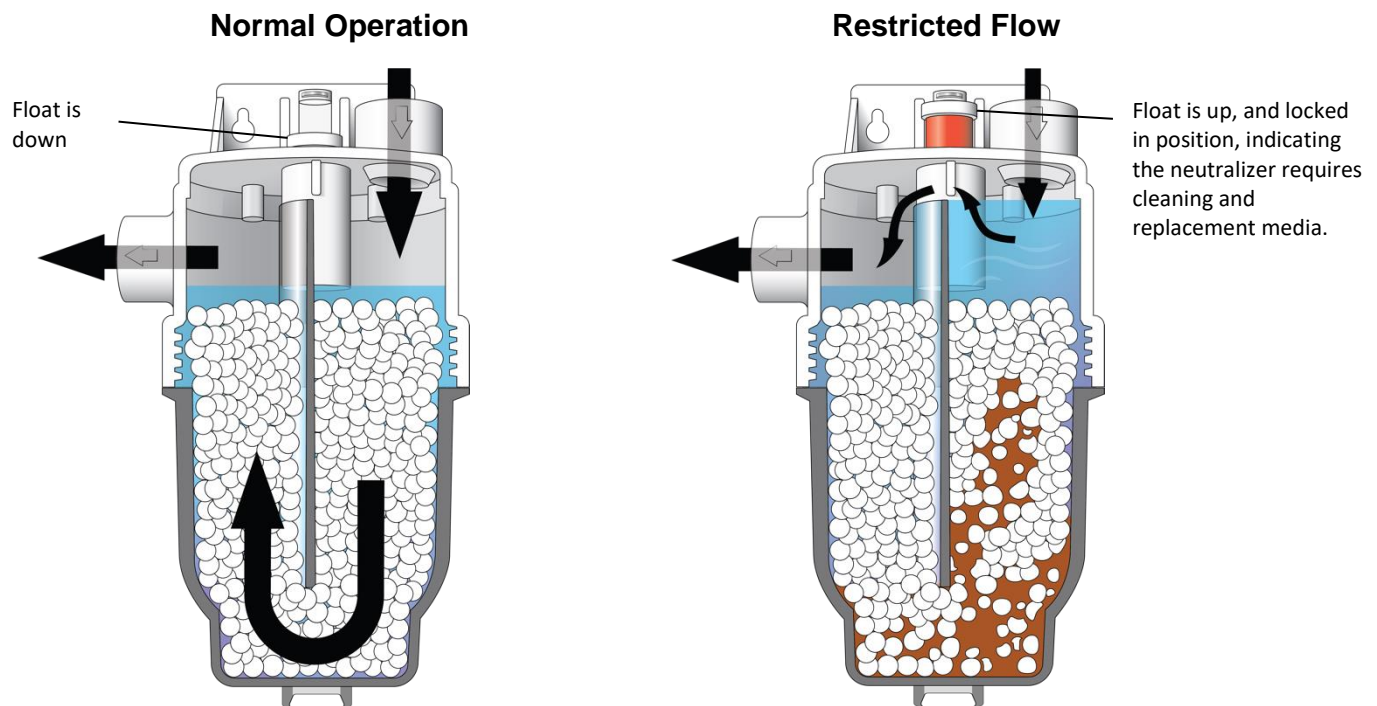
If there is no gravity drain available, install a condensate removal pump designed for use on condensing boilers and furnaces. The condensate pump must be equipped with an over flow switch to prevent the appliance from running should a failure occur.

### **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, when the float rises (see figure 4 below), or after one year, whichever comes first. For replacement LipHter+ media contact your local DiversiTech distributor.



**Figure 4**

The float should be down during normal operation. If flow in the CNV-4K becomes restricted, the float will rise and lock in position, indicating that the media should be replaced (see figure 4 above). After replacing the media, reset the float by pushing it back down.

### **Limited Warranty**

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

**Patent Pending**