

CLED - DCLDW - DEFDW SERIES CONDUITLESS ENTRY DISPENSER SUMP



IMPORTANT

Please read all warnings and follow the installation instructions completely and carefully. Failure to do so may cause product failure, or result in environmental contamination due to liquid leakage into the soil, creating hazardous spill conditions.



WARNING - DANGER

Using electrically-operated equipment near gasoline or gasoline vapors may result in fire or explosion, causing personal injury and property damage. Be sure that the working area is free from such hazards and always use proper precautions.

Pre-Installation

Verify that sumps were delivered with at least 20 inHg of vacuum. If vacuum was less than 20 inHg, indicate the product was damaged on the freight paperwork, and immediately contact PCI.

1 Mount Sump in Island Form

Place dispenser sump into island form such that the top of the J-channel is flush with the finished concrete surface. If sump has a rainlip, it should extend upward 1" above finished concrete. Secure sump frame to the island form (Figure 1).

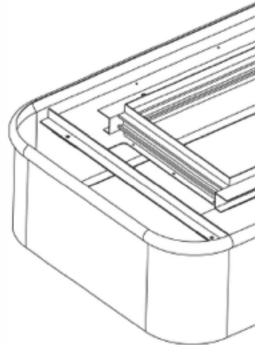


FIGURE 1

2 Install Penetration Fittings

Determine the pipe entry locations. Piping entries are generally located as close to the bottom of the dispense sump as possible. However, to maintain the required slope, you may will have to raise the penetration higher in the sumps, the further you are from the UST supplying fuel to the dispenser. Use the centerline of the sump along with the dispenser footprint provided by the dispenser manufacture to determine the horizontal location of the penetrations. Install penetration fittings according to the manufacturer's installation instructions.

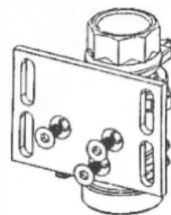


FIGURE 2

3 Prepare Shear Valve

Attach a boss mounted emergency shut-off valve to the valve mounting plate provided with the stabilizer bar kit using (3) countersunk cap screws (Figure 2).

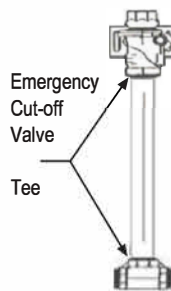


FIGURE 3

4 Pre-Assemble Riser

Determine the proper length riser pipe (of flex connector) that will be required and thread it into the bottom of the emergency shut-off valve. Attach either a ninety degree elbow or a tee to the other end (Figure 3).

5 Connect Underground Plumbing

Permanently install underground piping through the penetration fittings and connect to the elbow or tee per the pipe manufacturer's installation instruction. Test all piping for leaks in the primary and secondary per manufacturer's installation instructions and proceeding government regulations.

6 Install Shear Valve Stabilizer Bar

Insert spring-loaded clamp nuts into the dispenser side struts and rotate into position. Lower the stabilizer bar between the side struts of the dispenser sump (Figure 4).

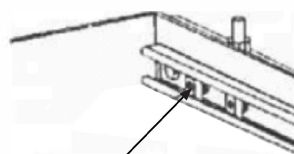


FIGURE 4

7 Attach the Emergency Shut-Off Valve

Loosely attach the bars to the spring nuts using the provided bolts and washers. Move stabilizer bar into position. Check to ensure spring nuts are properly inserted in the side strut and tighten (Figure 5).

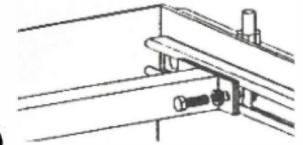


FIGURE 5

8 Installing Anchor Bolts

Install the provided anchor bolts in the set of holes of the mounting frame that match your particular dispenser to be installed (Figure 7). **IMPORTANT: Make sure bolts are in correct holes before pouring concrete.**

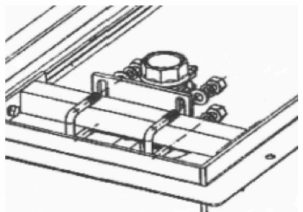


FIGURE 6

9 Installing Conduit

Conduit is installed in the recessed area on the end of the dispenser sump without penetrating the sump wall. Using a standard conduit pipe clamp, attach the conduit to the unistrut on the end of the mounting frame (Figure 8).

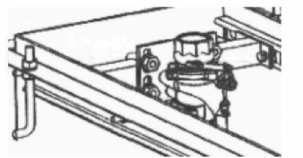


FIGURE 7

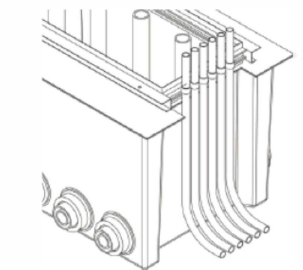


FIGURE 8

10 Vacuum Testing

Perform the vacuum testing procedure found in the "Double Wall Fiberglass Sumps Vacuum Integrity Test Procedure". If the sump fails the test procedure please use the "Double Wall Fiberglass Sumps Integrity Test Troubleshooting Procedure" before contacting the manufacturer. If the problem persists, contact PCI.

11 Liquid Filling

If using a liquid monitored interstice, follow the instructions on the "Double Wall Fiberglass Sumps Liquid Monitored Interstice Filling Procedure" before backfilling. If using a dry interstice, proceed to Step 12 .

12 Backfilling

Backfill the area surrounding the dispenser sump with rounded pea gravel with a minimum diameter of 1/8" and a maximum diameter of 3/4". Prevent sump distortion or damage by avoiding to dump pea gravel directly onto the dispenser sumps when backfilling.

Maintenance

All dispenser sumps should be checked regularly for the presence of water or fuel products. Any liquid present in the sump should be promptly removed and disposed of properly.

If liquid is found in the sump, prompt action should be taken to repair the leak and re-test the equipment for integrity.

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