

CLE AND DCL 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.

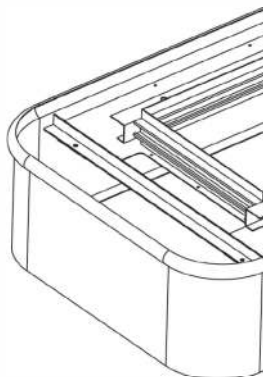


WARNING - DANGER

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.

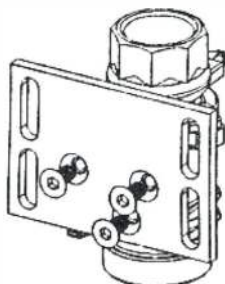
1 Mount Sump in Island Form

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.



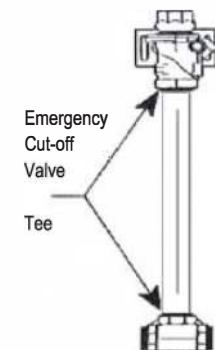
2 Install Penetration Fittings

Determine the pipe entry locations. Piping entries are generally located as close to the bottom of the dispenser sump as possible. However, to maintain the required slope, you 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 manufacturer to determine the horizontal location of the penetrations. Install penetration fittings according to the installation instructions.



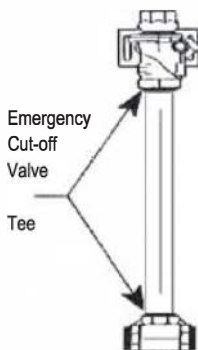
3 Prepare Shear Valve

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



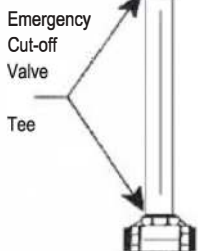
4 Pre-Assemble Riser

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



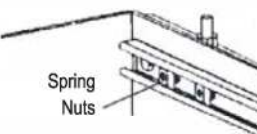
5 Connect Underground Plumbing

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



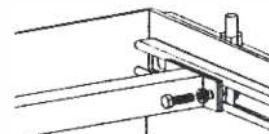
6 Install Shear Valve Stabilizer Bar

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. 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 into the side strut and tighten.



7 Attach the Emergency Shut-Off Valve

Place the riser with the emergency shut-off valve plate against the stabilizer bar. Using the provided (2) U-bolts, washers and nuts, loosely mount the emergency valve to the stabilizer bar. Follow the manufacturer of the emergency shut-off valve instructions to ensure proper valve positioning. Adjust assembly as necessary and then tighten securely.

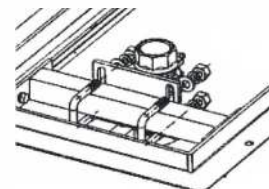


8 Installing Anchor Bolts

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

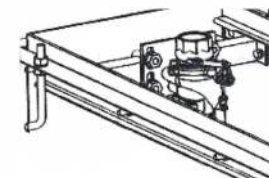
9 Installing Conduit

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.



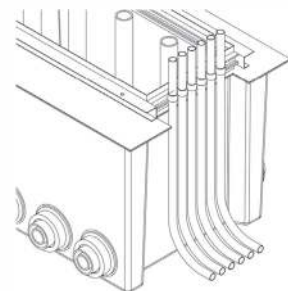
10 Leak Testing

After all connections have been made, fill the sump with water and mark the water level. After 8 hours, check that the water level has not changed. Also, check the outside of the sump for any visual leaks through the sump laminate or around the penetration fitting. If a leak is found, remove the water and dry the area before repairing. Repair as needed. After repair has fully cured, fill the sump with water and re-test.



11 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.