

## MVR<sup>SERIES</sup> and EZ-Plumb

### DISPENSER SUMP AND STABILIZER BAR INSTALLATION INSTRUCTIONS



**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

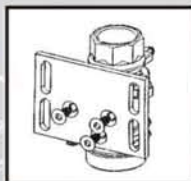
#### INSTALLING THE DISPENSER SUMP:

Typically the dispenser sump is installed inside of a permanent metal island form but is not confined to this type of installation. The sump should be mounted to a point where the top of the mounting frame is flush with the finished concrete surface. Sump must be permanently anchored prior to backfilling and pouring concrete. Using the molded exterior flange of the sump, mount the sump to either an anchor form or if being installed in an island, anchor sump to the support bars located inside of the island form.

#### Step #1

##### Determine the Correct Pipe Entry Height

Pipe entries are generally located as close to the bottom of the dispenser sump as possible. To maintain the proper piping slope necessary, you will have to raise the penetration higher in sumps the further you get from the UST supplying fuel to this dispenser. Once the proper entry point has been determined you will be ready to install the appropriate PCI pipe and conduit entry fittings. The location of each pipe should correspond with the product inlet location for the particular dispenser being installed. (To properly install the PCI entry fittings refer to PCI's Bulkhead Entry Fitting Installation Instructions.)

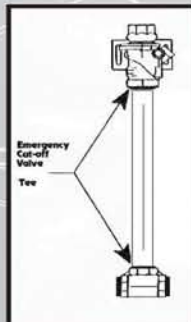


#### Step #2 Attaching the Emergency Shut-Off Valve

Using all three (3) flat-head Allen screws provided, mount a boss mounted emergency shut-off valve to the provided valve mounting plate. Tighten Securely.

#### Step #3 Installing The Riser

Determine the proper length flex connector or (riser pipe) that will be required for this sump and thread it into the bottom of the emergency shut-off valve. Attach either a ninety degree elbow or tee to the other end and finish making pipe connections per instructions of your pipe manufacturer.



#### Step #4 Installing The Mounting Frame

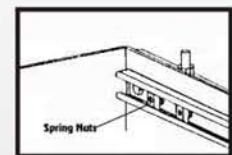
Before attaching the steel Mounting frame to the fiberglass dispenser sump, make sure that the bottom portion of the steel frame that attaches to the top flanged area of sump and the top portion of fiberglass sump that attaches to the steel frame have been wiped clean using a good grade of cleaner such as Acetone or paint thinner. Next apply a generous bead of the provided adhesive sealant to the top flanged area of the

#### Step #4 Installing The Mounting Frame continue.-

Lower the steel Mounting frame onto the fiberglass sump checking to ensure that the edges of the steel frame are aligned with the edges of the fiberglass sump. Drill fiberglass sump through area that have been pre drilled in steel frame and bolt components together using nuts and bolts.

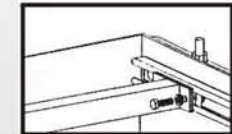
#### Step #5 Installing Spring Loaded Nuts

Insert the spring loaded clamp nuts into the dispenser side struts and rotate into position. There are four (4) spring nuts supplied with each stabilizer bar kit. (Stabilizer Bar Kits purchased separately.)



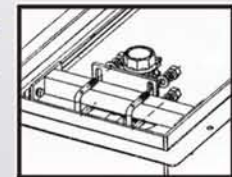
#### Step #6 Installing Shear Valve Bars

Lower the stabilizer bars between the side struts of the dispenser sump. Loosely attach the bars to the spring nuts using the provided bolts and washers.



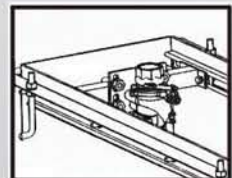
#### Step #7 Installing the Emergency Shut-Off Valve

Place the riser with the emergency shut-off valve plate against your stabilizer bar. Using the provided two (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 entire assembly as necessary and then secure all stabilizer bar and shear valve mounting hardware. Tighten securely. (Stabilizer bar, shear valve plate, U-bolts, nuts and washers supplied with stabilizer kits.)



#### Step #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.)



#### Step #9 Leak Testing

After all connections have been made, fill the sump with water. If you have a drop in the water level within one (1) hour check for leak and correct before backfilling.

#### Step #10 Backfilling

Rounded pea gravel with a minimum diameter of 1/8" and a maximum diameter of 3/4" should be used for backfill around PCI Dispenser Sumps. To prevent sump distortion or damage, avoid dumping pea gravel directly onto the dispenser sumps when backfilling.

#### Maintenance

PCI sumps are designed to provide secondary containment of dispensers and piping connections. All sumps should be regularly checked for the presence of fuel products. Any liquid present in the