

Universal's **71CD-1212** is pre-assembled for consumer's convenience as shown below in **Figure 1**.

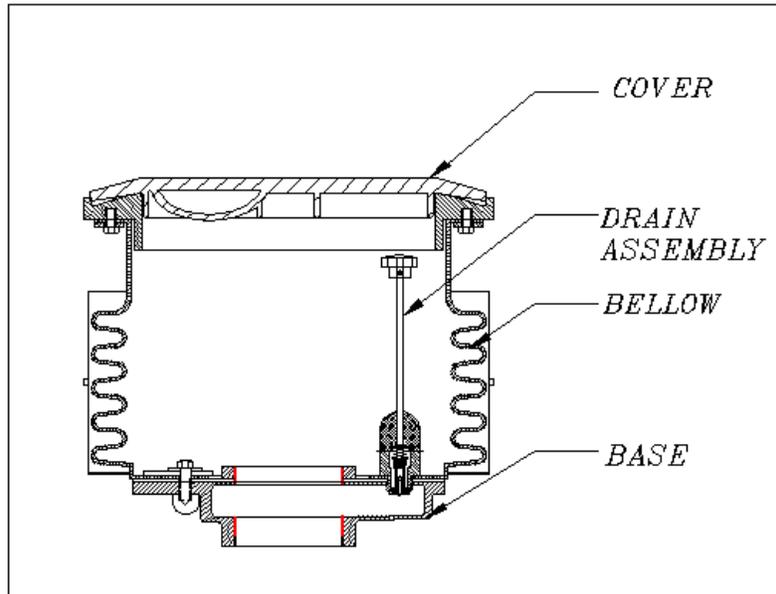


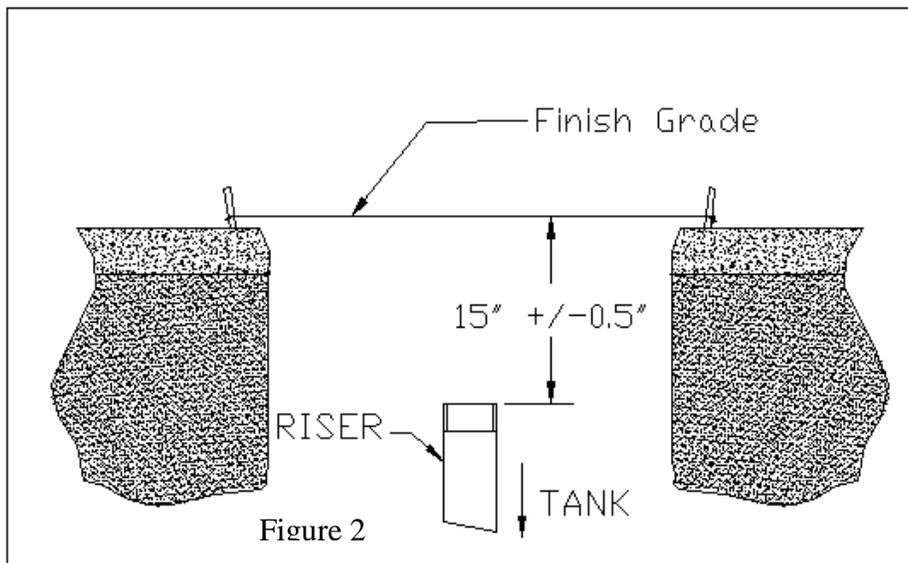
Figure 1

STEP 1

Level off a finish grade as shown in **Figure 2** using a cord. Finish grade must be 2" off the ground to provide adequate slope for water run off when the unit is installed. Check with a level.

STEP 2

Installed **Riser Pipe** at a dept **D = 15" ± 0.5** below finish grade level. Thoroughly clean Riser Pipe thread of any chips and burrs, and then apply a gasoline resistant non-hardening pipe dope to the threads.



STEP 3

Remove the cover from the assembled unit, and then hand thread the unit unto the riser until hand tight as shown in **Figure 3**. Place a pipe wrench on the bottom external hex and tighten with a torque of 125ft-lbs min to 250 ft-lbs max.

Note: Ensure that the unit is tight and level with finish grade.

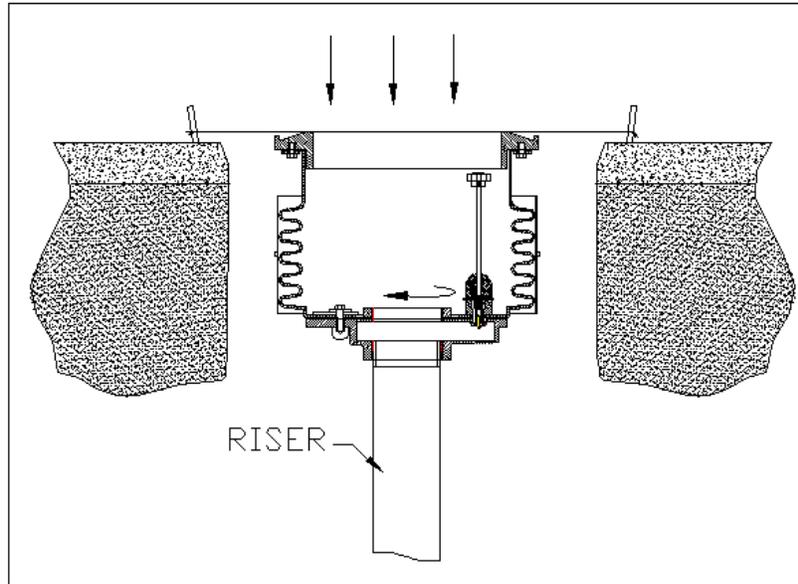


Figure 3

STEP 4

Install pipe nipple with cap and adaptor as shown in **Figure 4**.

NOTE: Nipple, Cap & Adaptor is not included and can be purchase separately.

To install nipple, apply a non-hardening gasoline resistant pipe dope unto thread and hand tighten. Using a wrench, tighten with a torque of 125 ft-lbs min to 250 ft-lbs max. Clean up any excess pipe dope.

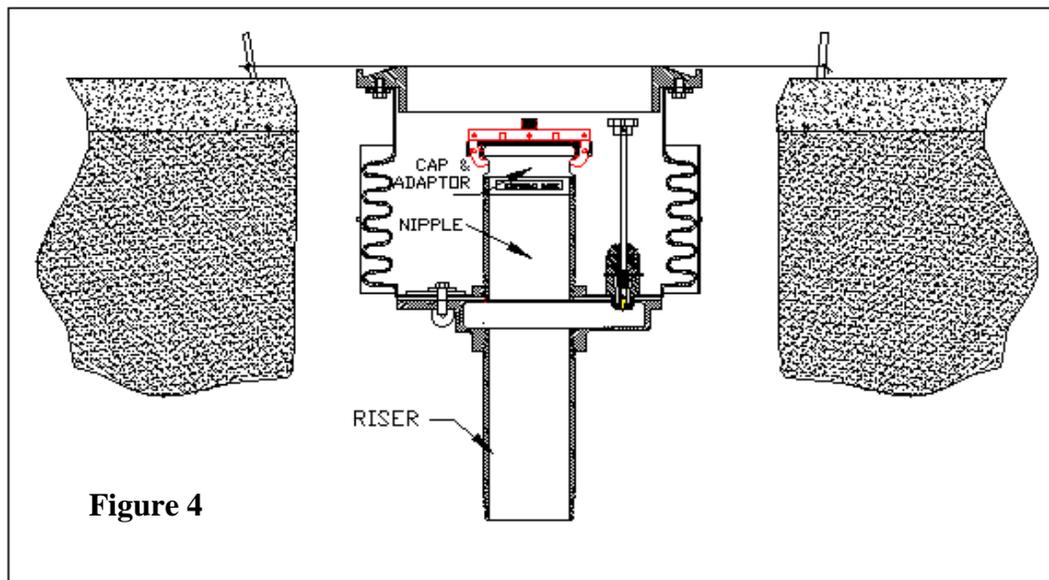


Figure 4

STEP 5

If the unit needs to be adjusted in height, place a spacer beneath the containment ring tabs. The Bellow will allow up to 1 ½” of up or down adjustment. Add shims as needed to make the adjustment. If more adjustment is needed, then a longer or shorter riser pipe must be used.

STEP 6

Before the Unit is fully installed and embedded in concrete; it should be leak tested and ensuring that all seals, drain valves, and rotatable adaptor are sealed and fully functioning. To check the drain valve, push down on the knob a few times to ensure that the poppet is unobstructed and free to open and close. To test the spill container’s base and bellow, fill the containment with water. A drop in water level of 1/16” or greater after one hour indicates a leak exists. Examine for stream of bubbles inside the containment or if water seeps on the outside. If a leak exists, the containment should be replaced or correct where it leaks.

Note: Do not dispose water into the UST when finish testing.

STEP 7

It is required that the containment is fully assembled and fastened before pouring any concrete. Place the Cover on the unit and place plastic over the Cover to prevent concrete from splashing and setting in the grooves.

STEP 8

When pouring the concrete, pour slowly in a circular direction, and hand shovel or trowel the concrete mix around the containment assembly to prevent the assembly from shifting. Shifting of the containment when pouring concrete mix may pose future problems for maintenance.

STEP 9

NOTE: Do not stand on the medium until the concrete is fully set. It is recommended that the paved contours around the containment covers be adequately sloped to allow water to run off from the cover away from the area of the containment. A 1” minimum slope is recommended for the runoff. (See **Figure 5**)

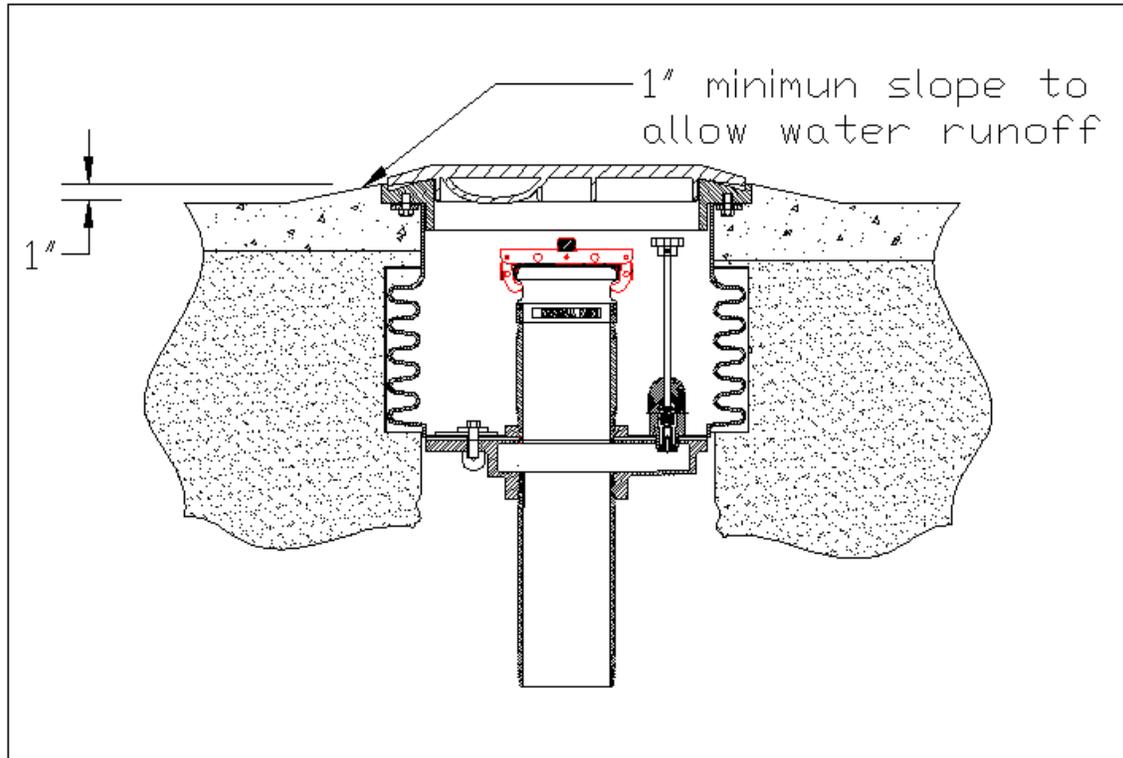


Figure 5

Operation and Maintenance

STEP 1

The unit must be inspected and tested annually. Inspect and clean the interior of the spill containment of any grit and pebbles that accumulates. If necessary, remove such accumulation and ensuring that the valve screen is cleaned. To clean the screen, hold shaft firmly and unscrew knob in an anticlockwise direction. Lift screen upward from shaft. Clean screen by soaking in water and using high-pressure air if necessary. Re-place screen and knob

STEP 2

Check the function of the drain valve by pushing down and releasing the knob a few times. If there is no obstruction preventing the drain valve from open or close, then there is no further action needed. If the drain valve fails, then a replacement is necessary.

Replacing Drain Valve Assembly

Hold shaft firmly and unscrew knob in an anticlockwise direction. Remove screen by lifting upward from the shaft. Using a wrench, unscrew the hex portion of the valve and remove. Before installing new drain valve assembly, apply Teflon tape to the thread if necessary. Hand screw in the hex portion until hand tight. Place wrench on the hex portion and tighten with torque of 75ft-lbs max. Place screen and knob.