



## Installation Instructions

H-12579-M  
May, 1995

# OPW 101BG Below Grade Slip-On Spill Container

**Important:** Please read these warnings and use the assembly instructions completely and carefully before starting. Failure to do so may cause product failure, or result in environmental contamination due to liquid leakage into the soil, creating hazardous spill conditions.

**Important:** The OPW 101BG Slip-On Spill Container is pre-assembled for your convenience and ease of installation. Check to make sure the unit is intact and undamaged and all parts have been supplied. Never substitute parts for those supplied. Doing so may cause product failure.

### **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.

**Notice:** OPW products should be used in compliance with applicable federal, state and local laws and regulations. Product selection should be based on physical specifications and limitations and compatibility with the environment and material to be handled. OPW makes no warranty of fitness for a particular use.

All illustrations and specifications in this literature are based on the latest product information available at the time of publication. OPW reserves the right to make changes at any time in prices, materials, and specifications on any models and to discontinue models without notice or obligation.

### **Product Warranty**

All OPW parts and products are thoroughly inspected and tested from the time raw material is received at our plant until the product is completed. We guarantee that all products are free from defects in materials and workmanship for a period of one year from the date of shipment from OPW's plant. Any products that may prove defective within said one year period will, at OPW's option, be promptly repaired or replaced or credit given for future orders. This warranty shall not apply to any product which has been altered in any way, which has been repaired by any party other than an authorized OPW Service Representative, or when such failure is due to misuse or conditions of use. OPW shall have no liability for special or consequential damages to any party, and shall have no liability for labor costs, freight cost, or any other cost or charges in excess of the invoice for the products.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND SPECIFICALLY THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

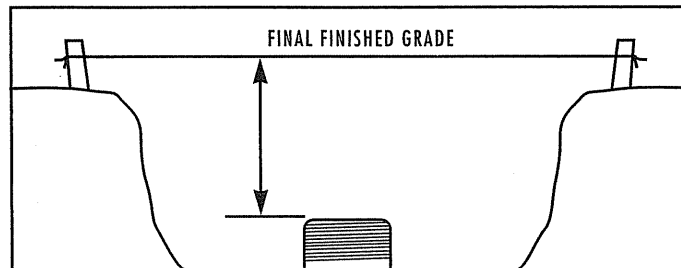
### **Maintenance**

1. Inspect and clean the interior of the spill container on a regular basis to remove any dirt or grit.
2. Inspect the container on a regular basis for cracks or cuts. The container must remain tight to do its job properly.
3. Make sure all joints are tight.
4. Perform an annual inspection as described below:

Test the OPW 101BG Slip-On Spill Container for leaks by filling the container with water. A drop in the water level after waiting an hour means that there is a leak. Do not allow the entire water contents to drain into the tank.

If a leak occurs and seals and clamps are in place and tight, the entire spill container should be removed from the riser pipe and replaced with another.

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MINIMUM DISTANCE:

10½" FOR TOP SEAL ADAPTOR

9½" FOR SIDE SEAL ADAPTOR

12½" FOR COAXIAL FITTING

**Figure 1**

The pre-assembled OPW 101BG Slip-On Spill Container is easy to install by carefully following instructions. Should you need help during installation, call OPW Fueling Components, Customer Service Department toll free at 1-800-422-2525.

## **Step 1**

Prepare work area (On Retrofit Application Only). Cut and remove concrete from around existing manhole. Remove old manhole. Then, remove backfill from around riser pipe. (See Figure 2) Be sure there are no pipe couplings where the seal connects to the riser pipe. If so the riser will need to be replaced.

## **Step 2**

Check distance from finish grade level to top of riser for proper clearance. (See Figure 1)

## **Step 3**

Clean riser pipe down to a minimum of 29" from finished grade. Cover the end and threads of the riser pipe with tape.

## **Step 4**

Install pipe clamp to riser pipe. (See Figure 2 for location)

## **Step 5**

Lightly lubricate seal I.D. and the O.D. of the riser pipe. Slide the spill container over the riser pipe. Rotate spill container to the required position so that the

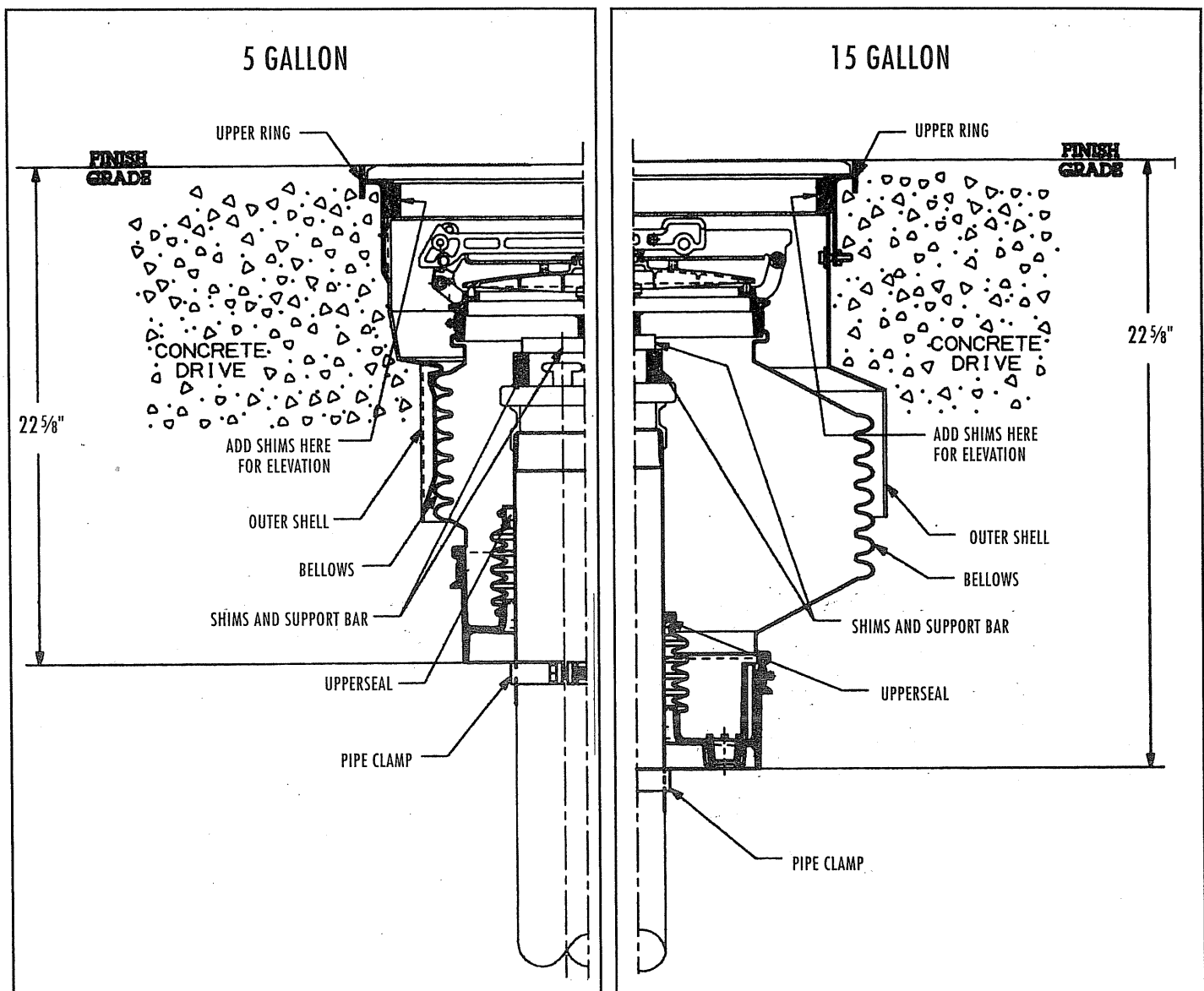
hatch cover will open away from the delivery tanker. Remove tape, and install adaptor and cap.

## **Step 6**

Install adjusting system beneath the cast undercut on mounting ring and cap per Figure 3. Add shims as needed and adjust with screw. Check container to ensure a good support has been established.

## **Step 7**

Check location of upper seal to ensure it is properly in place in the bellows. The top seal must be below the pipe threads, but must not overly compress the bellows.



**Figure 2**  
**OPW 101BG Slip-On Spill Container**

**Step 8**

Make final adjustments to ensure clearance between the red lever and the under side of the grade cover.

**Step 9**

Place the clamp in the clamp groove. Tighten. Do not exceed 5 ft. lbs. torque for proper seal to the riser pipe.

**Step 10**

Test the OPW 101BG Slip-On Spill Container for leaks by filling the container with water.

A drop in the water level after waiting an hour means that there is a leak. Check to make sure the tight fill cap and adaptor are installed tightly. Check to make sure the upper seal is in place and the clamp is properly tightened. Retest per above. If the unit still leaks, the entire spill container should be

removed and replaced with another. Retest.

**Step 11**

Slide the upper ring and outer shell assembly onto the spill container until it rests on the bellows. Now using the (3) adjustment blocks and shims between the upper ring and outer shell make the adjustment of upper ring to final finish grade. NOTE: Tape adjustment blocks and shims in place. (See Figures 2 and 4)

### Step 12

Tape cover mounting ring and shell slots with duct tape to prevent concrete from settling in the cover recess.

Pour concrete per Figure 2.

**Note: Do not stand on spill container before concrete sets up.**

Remove tape from cover after concrete has dried.

Retest the spill containers for leaks as described in Step 10, after the concrete has set up.

### Step 13

Remove shim block.

## Installation Adjustment System

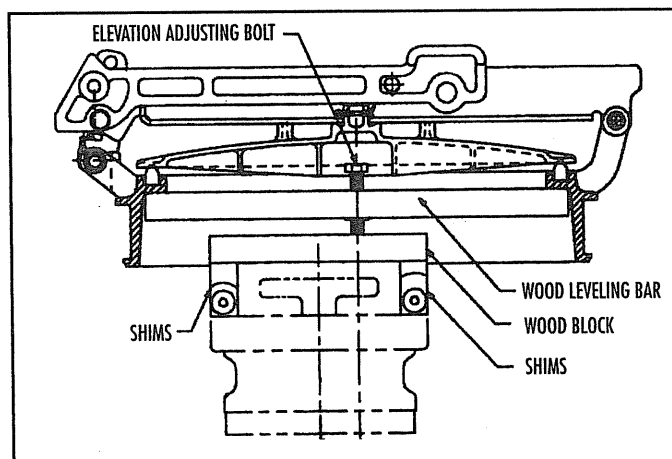


Figure 3

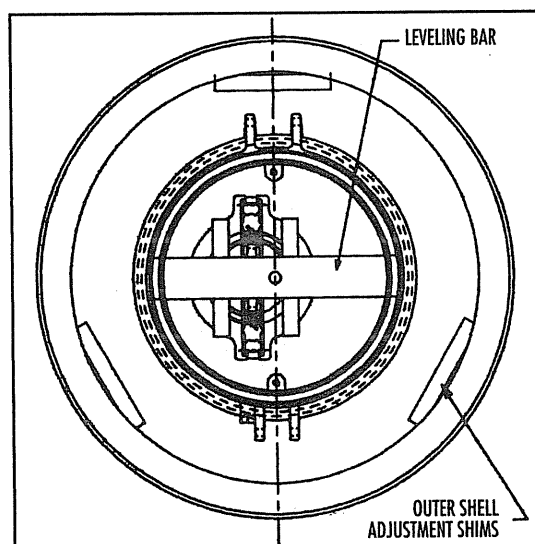


Figure 4



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