



# OPW Installation and Maintenance Instructions

## 331, 332-AST Direct Fill 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 Spill Containers are 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 a 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.

**NOTE:** At all times when product is in the storage tank keep the riser pipe capped, so the vapors cannot escape into the environment.

**Notice:** OPW products must 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. All illustrations and specifications in this literature are based on the latest production information available at the time of publication. Prices, materials, and specification are subject to change at any time, and models may be discontinued at any time, in either case, without notice or obligation.

### Standard Product Warranty

OPW warrants that products sold by it are free from defects in materials and workmanship for a period of one year from the date of manufacture by OPW (ECO products two years from date of manufacture.) Proof of purchase may be required. As the exclusive remedy under this limited warranty, OPW, will at its sole discretion, repair, replace, or issue credit for future orders for any product that may prove defective within the one year date of manufacture period (repairs, replacements, or credits may be subject to prorated warranty for remainder of the original warranty period, complete proper warranty claim documentation required.) This warranty shall not apply to any product that has been altered in any way, which has been repaired by any party other than a service representative authorized by OPW, or when failure is due to misuse, or improper installation or maintenance. OPW shall have no liability whatsoever for special, incidental or consequential damages to any party, and shall have no liability for the cost of labor, freight, excavation, clean up, downtime, removal, reinstallation, loss of profit, or any other cost or charges.

For any product certified to California 2001 standards, OPW warrants that product sold by it are free from defects

in material and workmanship for a period of one year from date of manufacture or one year from date of registration of installation not to exceed 15 months from date of manufacture by OPW.

**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.**

### 331, 332-AST Direct Fill Spill Container

#### Performance Specifications:

This spill container has been tested for leaks using 3 PSI of air prior to leaving the factory.

#### Torque Specifications:

4" & 6" NPT - 125 ft-lbs min. to 250 ft-lbs max.

Base Bolts 5/16-18UN - 15-20 ft-lbs

Drain Valve Bolts (5/16-18UN) - 11.5-13.5 ft-lbs.

#### Replacement Parts:

Bolts, 5/16-18UN:

Lock Washer:

Washer:

Base O-Ring: C05170M

Drain Valve Replacement Kit: 1DK-2100-EVR

(Replacement Skirts are also available.)

### 331, 332-AST Direct Fill Spill Container Installation Instructions

1. Inspect and clean riser threads prior to spill container installation.
2. Apply pipe dope to riser. The pipe dope is to be a non-hardening, gasoline resistant, pipe thread seal compound.
3. Place the spill container onto the riser pipe and thread on hand tight. (See Figure 1.)

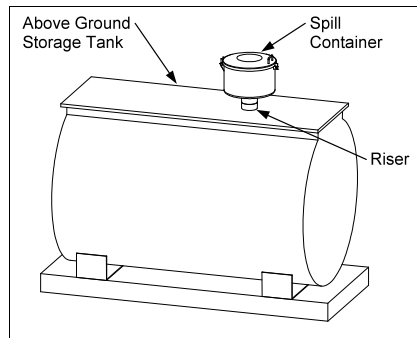


Figure 1

4. Tighten the spill container onto the riser using the specified torque values for the size spill

container being installed, being careful to avoid cross threading. Refer to torque specifications at the beginning of this instruction sheet. If the riser is not plumb, position the drain valve to the low side to insure drainage.

5. Apply pipe dope to a 4" or 6" NPT pipe nipple no more than 6" in length and thread in to the inside of the spill container base. The pipe dope is to be a non-hardening, gasoline resistant, pipe thread seal compound. (See Figure 2)  
NOTE: The nipple installed must be no more than 6" inches in length to avoid contact with the lid after installation of Kamvalok Adaptor.

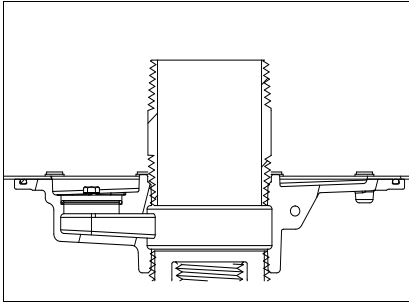


Figure 2

6. Complete the overflow valves installation instructions prior to continuing.
7. If the skirt is damaged it can be replaced by removing the eight base bolts and replacing the Base O-ring. Tighten the bolts to 15-20 ft-lbs using a crossing pattern. Be sure to note the drain valve chain hanger bracket location in relation to the drain valve. Position accordingly. (See Figure 3)

### Operation and Preventative Maintenance

After each fuel delivery, the operator must remove any standing fuel from the spill container. Fuel can be removed by actuating the drain valve or with a gasoline absorbing disposable towel. Follow local rules and regulations for the disposal of hazardous waste where applicable. The following steps should be followed on at least a semi-annual basis.

1. Inspect and clean the interior of the spill container and drain valve screen. Remove accumulated dirt and grit.

2. If the drain valve screen becomes clogged, remove the valve, soak in water and use high-pressure air to clean.
3. Reinstall the drain valve to its proper position and test.
4. If desired a hydrostatic test can be performed, use California ARB Test Procedures: These Test Procedures will check the seals between the drain valve, nipple and adapter, and the base o-ring. To test the spill containers base and skirt fill the container with 2" of water. A drop in the water level equivalent to 0.17 CFH is allowable, to determine whether a leak is greater than this refer to the chart below. To determine where the leak is, look for a steady stream of bubbles coming from one of the joints or water leaking on the outside of the bucket. **NOTE:** Do not drain the water into the tank after the test is complete. Water must be disposed of per local requirements for hazardous waste. If the leak cannot be corrected the spill container should be replaced with another.

Time Elapsed	Allowable Drop
36 min, 45 sec	1"
18 min, 22 sec	1/2"
9 min, 11 sec	1/4"
4 min, 36 sec	1/8"

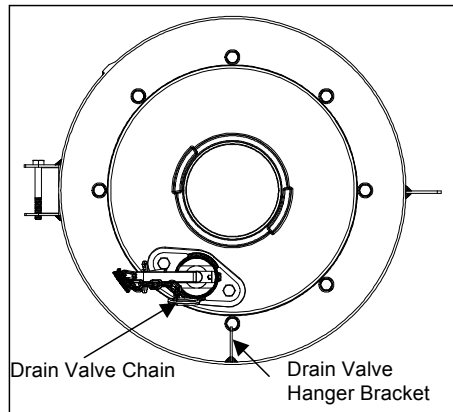


Figure 3

# OPW

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