



Department of Environmental Protection

2600 Blair Stone Road ♦ Tallahassee, Florida 32399-2400

DEP Form: 62-761.900(9)

Form Title: Storage Tank Equipment

Registration Form

Effective Date: July 2019

Incorporated in Rule 62-761.850, F.A.C.

Storage Tank System Equipment Registration Form

Fill out completely

General Information

Company Name: Contact Name:
Company Address: City, State: Zip:
E-mail: Contact Number:
Product Name: Product Type:
Model Number(s):
Rule(s) citation that registration is being requested within Chapter 62-761 (UST), and/or 62-762 (AST),

F.A.C.: Write a brief description of equipment registration request including product limitations:

Information Checklist (Choose Yes, No, or N/A - Not Applicable):

Yes No N/A

1. Third-party Certification by a Nationally Recognized Testing Laboratory? (Required)
2. Documentation of third-party evaluation that the equipment meets DEP Rules?
3. Documents included about the qualifications of the Nationally Recognized Testing Laboratory?
4. Technical information and drawings included?
5. Installation instructions included?
6. Annual Operability Testing Requirements (Rules 62-761.500, 62-762.501, & 62-762.502 F.A.C.)?
7. Integrity Testing Requirements (Rules 62-761.700, 62-762.701, & 62-762.702, F.A.C.)?
8. Compatible with fuel blends containing >10% ethanol or >20% biodiesel?
9. Has the product been approved or registered in other countries or states? (If so provide list)
10. Any requirements for company-certified installers or trainers?
11. Was this product(s) previously approved or registered by the Department? If yes, EQ-
12. Any changes or modifications to the equipment since the last submittal to DEP?

Document Information: Provide supporting documents indicated as "Yes" above including this form via email to Tanknotify@floridadep.gov, or documents can be sent to FDEP, Division of Waste Management, 2600 Blair Stone Road, MS 4560, Tallahassee, FL 32399.

Write a brief description of equipment installation and performance in the U.S.:

Equipment Registration Certification:

To the best of my knowledge and belief, all information submitted on this form is true, accurate and complete.

Gene Pope

Digitally signed by Gene Pope
Date: 2021.12.10 15:18:49 -05'00'

Printed Name and Title

Signature (right click to sign)

Date

For Department Use Only:

Date Application Received:

Application complete:

Yes:

No:

EQ-

Date of complete or incomplete letter sent:

Date Equipment Requires Renewal:

Storage tank system equipment requires renewal every 5 years in accordance with subsection 62-761.850(2), F.A.C.

Materials

Cover: Black Epoxy Coated Cast Iron

Mounting ring: Duragard® coated ductile iron

Bellows: Polyethylene

Base: Cast iron E-coating

Seals: Buna-N



Features

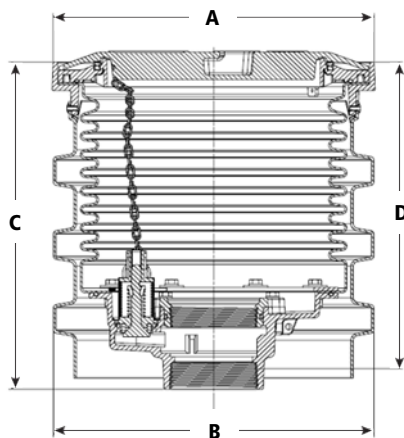
- ◆ **Designed for proposed 2014 EPA Regulations and beyond**
- ◆ **Prepares you for future compliance**
- ◆ Removable Bellows and Ring
- ◆ **Unique Flange Adaptor Feature-**
Allows quick and easy removal of overfill valve without torquing base
- ◆ Built-In Face Seal Adaptor
- ◆ Innovative Snow-plow Ring-less, Liquid-Tight Cover with Integrated Lift Handle design
- ◆ Easy access for overfill prevention valve testing and inspection
- ◆ Replaceable bucket without breaking concrete
- ◆ **ULC Approved**

OPW 1-2200 Series Replaceable Single-Wall Spill Container

Introducing an affordable, all-accessible, all-replaceable and all-maintainable spill container from OPW. Never break concrete again with our new EPA Compliant UST Solution for today, tomorrow and the future.

Ordering Specifications

Model #	Description
1C-2200D	Single-Wall, Field Replaceable Spill Container with Drain Valve
1C-2200P	Single Wall, Field Replaceable Spill Container with Drain Plug
1-3100-TOOL	Installation Tool, Used for Edge and 1-2200 Spill Containers



Dimensions

	in.	cm	lbs.	kg
A	16 ⁵ / ₈	42	77	34.9
B	16 ¹⁹ / ₃₂	42	77	34.9
C	17 ² / ₃	45	77	34.9
D	16 ⁷ / ₁₆	42	77	34.9

Listings and Certifications



1-2200 Series Replaceable Single-Wall Spill Container



- ◆ Designed for proposed 2014 EPA Regulations and beyond
- ◆ Prepares you for future compliance
- ◆ Innovative Snowplow Ring-less, Liquid-Tight Cover
- ◆ Easy access for overfill prevention valve testing and inspection
- ◆ Replaceable bucket without breaking concrete

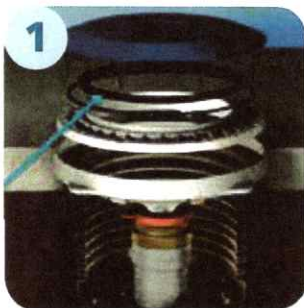
FEATURES:

- Flange Adaptor allows easy removal of fill/vapor adaptor and access to the drop tube and overfill valve
- Innovative Snowplow Ring-less, Liquid-Tight Cover Design with Integrated Lift Handle
- Removable Bellows and Ring

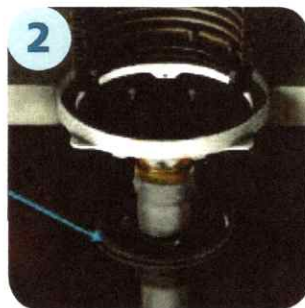


The NEW 1-2200 Series Replaceable Single-Wall Spill Container

Replace Bellows in 3 Easy Steps



Remove Upper Bolts and Ring



Remove Lower Bolts and Ring and Remove Bellows



Replace Bellows, Reinstall Upper and Lower Rings

No Need to Remove Base in order to Replace Bellows

Ordering Specifications

1-2200 Series Spill Container Models

Part Number	Description
1C-2200D	Single-Wall, Field Replaceable Spill Container with Drain Valve
1C-2200P	Single-Wall, Field Replaceable Spill Container with Drain Plug
1-3100-TOOL	Installation Tool, Used for Edge and 1-2200 Spill Containers

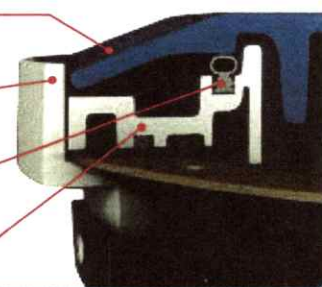
Liquid-Tight Cover

Special Cover and Ring Design
Seals Out Water and Debris

Eliminates Need for
Snow Plow Ring –
Flush with Finish Grade

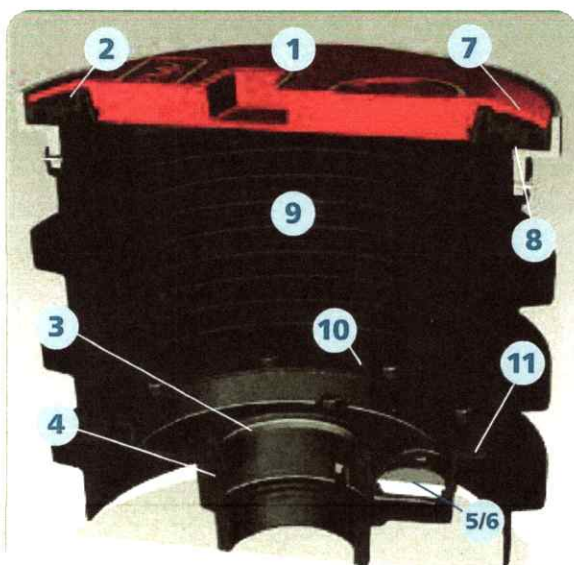
Proven "Bubble Seal"

Removable Compression Ring



1-2200 Series Replacement Parts

	Part/Kit Number	Description
1	207235	Cover
2	H12229M	Cover Seal
3	201739	Flange Adapter
4	201692	Flange Adapter O-Ring
5	1DK-2100-EVR	Drain valve sub assembly
6	1DP-2100	Drain Plug Kit
7	208951	Upper Ring Replacement Kit (includes; o-ring and hardware)
8	207243	Upper Ring O-Ring
9	208952	Bellows Replacement Kit (includes; o-rings, split rings, and hardware)
10	207212	Lower Split Ring, Each (2 required per spill container)
11	207211	Lower Bellows O-ring
	208197	Installation Instructions





OPW 1-2200 Series Thread-On Single Wall Grade Level Spill Containers with Replaceable Bellows

Installation and Maintenance Instructions

Please read these warnings and 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 1-2200 Spill Container is preassembled 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: Keep the riser pipe capped at all times when product is in the storage tank, 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.

OPW STANDARD PRODUCT WARRANTY TAG

Notice: FlexWorks by OPW, Inc., VAPORSAVER™ and all other OPW products must be used in compliance with all applicable federal, state, provincial and local laws, rules and regulations. Product selection is the sole responsibility of the customer and/or its agents and must be based on physical specifications and limitations, 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 specifications are subject to change at any time, and models may be discontinued at any time, in either case, without notice or obligation.

OPW warrants solely to its customer (the initial purchaser and any subsequent purchasers within the warranty period) that the following products sold by OPW will be free from defects in materials and workmanship under normal use and conditions for the periods indicated:

PRODUCT	WARRANTY PERIOD
FlexWorks Primary Pipe	10 years from date of manufacture
All Products and replacement parts installed in the State of California Certified to California CP-201 and/or CP-206 Standards*	1 year from date of installation (proof of purchase from certified contractors/technicians required) OPW warrants ongoing compliance with the standards and specifications for the duration of the warranty period required by the State of California; this limited warranty is under the condition the equipment was installed and maintained by trained and certified contractors/technicians unless noted in Installation Manual.
All other Products and replacement parts	1 year from date of manufacture**
*Products certified to California CP-201 and/or CP-206 Standards have been factory tested and met all applicable performance standards and specifications and will have an OPW registration card enclosed/attached to the product.	

OPW's exclusive obligation under this limited warranty is, at its option, to repair, replace or issue credit (in an amount not to exceed the list price for the product) for future orders for any product that may prove defective within the applicable warranty period. (Parts repaired or replaced under warranty are subject to prorated warranty coverage for remainder of the original warranty period). Complete and proper warranty claim documentation and proof of purchase required. All warranty claims must be made in writing and delivered during the applicable warranty period to OPW at OPW 9393 Princeton-Glendale Road Hamilton, Ohio, USA 45011, Attention: Customer Service Manager. No products may be returned to OPW without its prior written authority.

This limited warranty shall not apply to any FlexWorks or VAPORSAVER™ product unless it is installed by an OPW attested installer and all required site and warranty registration forms are completed and received by OPW within 60 days of installation. This limited warranty also shall not apply to any FlexWorks, VAPORSAVER™ or other OPW product: unless all piping connections are installed with a nationally-recognized or state-approved leak detection device in each tank and dispenser sump (which are not for storage and from which all discharge hydrocarbons must be removed, and the systems completely cleaned, within 24 hours); unless testable sumps utilize FlexWorks pipe and access fittings; unless a sump inspection log or an EPA recommended/required checklist is maintained and the results are furnished to OPW upon request; and unless OPW is notified within 24 hours of any known or suspected product failure and is provided with un-

restricted access to the product and the site. This limited warranty also shall not apply to any product which has been altered in any way, which has been repaired by anyone other than a service representative authorized by OPW, or when failure or defect is due to: improper installation or maintenance (including, without limitation, failure to follow Flex-Works Quick Reference Manual Installation Guide and all product warning labels); abuse or misuse; violation of health or safety requirements; use of another manufacturer's, or otherwise unauthorized, substances or components; soil or other surface or subsurface conditions; or fire, flood, storm, lightning, earthquake, accident or any other conditions, events or circumstances beyond OPW's control.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND ALL OTHER WARRANTIES INCLUDING, WITHOUT LIMITATION, THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY EXCLUDED.

OPW shall have no other liability whatsoever, whether based on breach of contract, negligence, gross negligence, strict liability or any other claim, including, without limitation, for special, incidental, consequential or exemplary damages or for the cost of labor, freight, excavation, clean-up, downtime, removal, reinstallation, loss of profit, or any other cost or charges. No person or entity is authorized to assume on behalf of OPW any liability beyond this limited warranty. This limited warranty is not assignable.

**** Date of manufacture on this product is located on the inner ring of the bucket.**

In some states it is prohibited to use spill container drain valves on spill containers that are exclusively used for vapor return risers. Install only 1-2200 Series Thread-On spill container models equipped with a drain plug.

WARNING: If the inner ring, lower bellows ring, bellows, or base is removed for any reason, follow the Operation and Maintenance instruction as noted. Replace o-rings and seals and install new ones. Never reuse damaged o-rings or seals as it may result in an improper seal. Only qualified, competent, well-trained technicians should perform maintenance. Common sense and good judgment should always be exercised. The contractor's understanding of all related site conditions prior to starting the project is essential. If the contractor does not have a clear understanding of the required work and site conditions, the contractor is advised to seek clarification prior to starting any portion of the project.

NOTICE TO DELIVERY DRIVER: All delivery drivers MUST inspect the inside of the container for water or contaminants other than fuel prior to delivery. If water or contaminants are present, then they MUST be removed before proceeding. Dispose of towels and debris safely and per all applicable local, state, and federal codes. After delivery is complete, the driver MUST drain any excess fuel that may have spilled into the container from their delivery hose.

1-2200 Series Performance Specifications: This Spill Container drain valve has been manufactured and tested to the following specifications: Leak Rate to be less than or equal to 0.17 CFH @ 2.0 " W.C.

Torque Specification:

Spill Container 4" NPT, 125 ft-lbs minimum to 250 ft-lbs maximum.

4" Nipple: 4" NPT, 125 ft-lbs minimum to 250 ft-lbs maximum.

NOTE: All 4" NPT threads are to be torqued progressively lower from the tank up.

Drain Valve clamps: 5/16-18 UN thread, 11.5 ft-lbs minimum to 13.5 ft-lbs maximum.

Nipple Adaptor Bolts: 3/8-16 UN, 20 ft-lbs minimum to 25 ft-lbs maximum.

Inner Ring and Lower Bellows Ring Bolts: 3/8 - 16 UN, 15 ft-lbs minimum to 20 ft-lbs maximum.

Tools Recommended:

1-3100-TOOL - Torque Installation Tool

DW-VAC-TEST - Vacuum Test Equipment

SC-TEST-Sealable Test Cover

OPW 1-2200 SERIES GRADE LEVEL SPILL CONTAINER INSTALLATION INSTRUCTIONS:

Step 1: (See Figures 1 and 2)

Determine riser pipe height. "L" is the distance between the top of the riser pipe and finish grade.

NOTE: The spill container height (from riser to grade) is L + 1".

Model Series	"L" Dimension
5 Gal. (Cast Iron Base)	L = 15 5/8" (40 cm)
15 Gal. (Cast Iron Base)	L = 17 3/8" (44 cm)

Step 2:

De-burr and thoroughly clean riser pipe. Apply pipe dope to riser threads. Pipe dope is to be a non-hardening, gasoline resistant pipe thread seal compound.

NOTE: Ground riser pipe to nearest grounding rod.

Step 3:

Install spill container by rotating the mounting ring until hand tight.

NOTE: Do NOT attempt to completely tighten the container using the mounting ring. Doing so may cause the unit to fail.

Step 4: (See Figure 2)

Finish tightening the spill container base using the wrenching boss or with the 1-3100-TOOL. Torque to 125 ft-lbs min. to 250 ft-lbs max (4" NPT). 1-3100-TOOL can be used to set final torque (see 1-3100-TOOL instructions). **NOTE:** Per PEI RP100 Section 5.11, support the spill container after installing before backfilling.

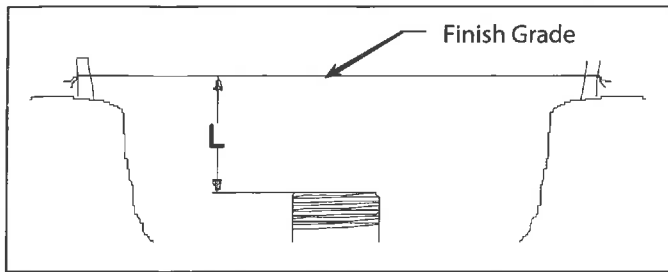


Figure 1

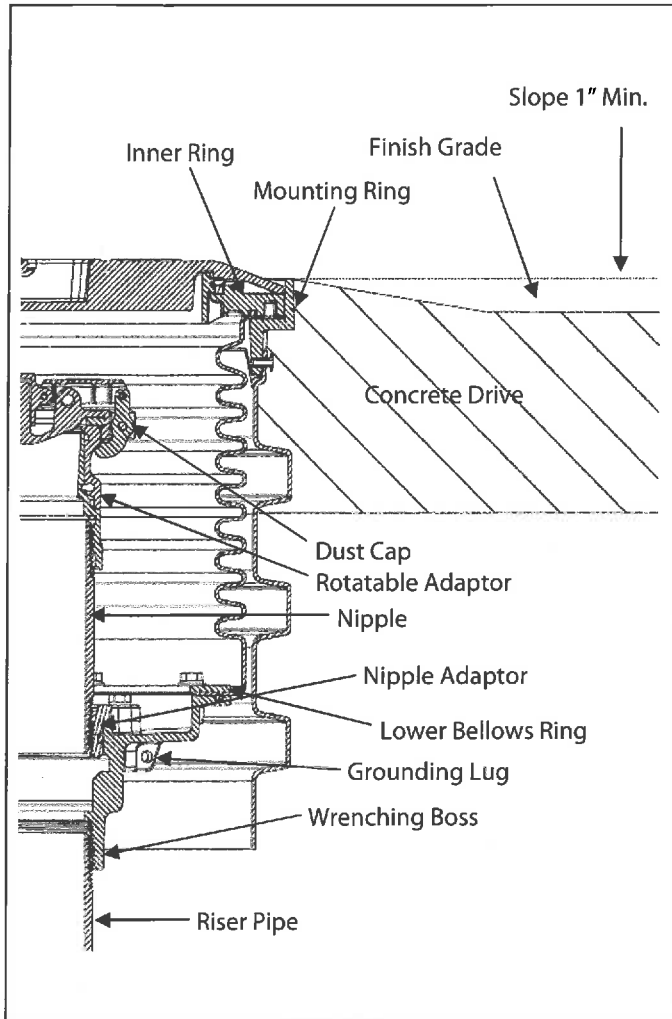


Figure 2

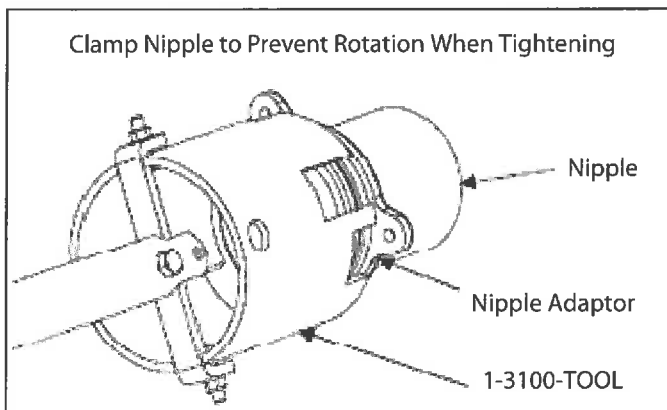


Figure 3

Step 5: (See Figures 2 & 3)

Remove Nipple Adaptor from spill container. Apply pipe dope to nipple and install in Nipple Adaptor. Pipe dope is to be a non-hardening, gasoline resistant pipe thread seal compound. Use only factory made nipples. Torque nipple to 125 ft-lbs min. to 250 ft-lbs max. (4" NPT). 1-3100-TOOL can be used to set final torque. Torque value is based on rotation at the center of pipe. For standard covers install rotatable adaptor and dust cap per manufacturers' instructions. For sealable cover (1SC) models, install a standard 4" pipe cap to support adjustment system. (Adaptor and dust cap must be installed in sealable cover (SC) models after concrete has dried. Install drop tube, overfill prevention valve and/or loose jack screw assembly if used (61JSK-44CB) per manufacturers' instructions. Reinstall the Nipple Adaptor in spill container. Torque Nipple Adaptor bolts to 20 ft-lbs minimum to 25 ft-lbs maximum.

NOTE: Nipple length is determined by measuring from the bottom of the threaded portion of the base to the bottom of the cover. Then subtract 2" minimum for clearance, height of adaptor and height of cap. Range of nipple lengths that can be used in all of the OPW spill containers: 4" min to 9" max. (See Figure 6)

Step 6: (See Figures 4 & 8)

If necessary, the height of the spill container can be adjusted by $\pm 1.5"$ (3.8cm). If it is necessary to increase height, install adjusting system (sold separately for 5 gallon models, part number H12267) beneath tabs on mounting ring. See Figure 4 for standard cover models and Figure 8 for sealable cover models. Add shims as needed and adjust with screw (shims must be cut to size for sealable cover models).

NOTE: The adjustment should not be more than 1.5" from the initial length of the unit.

Step 7:

Where applicable, upon preliminary installation perform the CARB Test Procedure TP-201.1C or equivalent. This Test Procedure will check the seals between the drain valve, nipple, bases, and rotatable adaptor.

NOTE: Follow all state and local required testing on the primary and secondary buckets.

Step 8: (See Figure 7)

Verify torque on mounting ring bolts. Torque to be 15 ft-lbs minimum to 20 ft-lbs maximum.

Perform a hydrostatic test on the spill container. To test the spill container base and bellows, fill the container with water. A drop in the water level of $1/8"$ or greater after one hour means that a leak exists. 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 UST 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 or bellows should be replaced.

As an alternate to a hydrostatic test a vacuum test can be performed on the spill container. Using OPW DW-VAC-TEST and SC-TEST, perform a vacuum test on the spill container. An initial vacuum of 15" of water should be attained and the spill container must retain a vacuum of at least 12" of water after 5 minutes. (See DW-VAC-TEST Instructions.)

Step 9: (See Figures 2 & 5)

Before pouring concrete, place plastic over the cover and Mounting Ring protecting them from concrete splash. Double check that the unit is level and at proper grade height. Pour concrete per Figure 5. Ramp or dome the concrete away from the mounting ring.

There should be a minimum of 1" slope to finish grade.

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

Remove plastic from cover after concrete has dried. Remove adjustment system. Re-test the spill containers for leaks as described in Step 8, after the concrete has set up.

Operation and Maintenance:

After each fuel delivery, the operator must remove any standing fuel from the container. Fuel can be removed by actuating the drain valve or with a gasoline absorbing disposable towel. If access to drop tube or overfill valve is required remove Nipple Adaptor from primary bucket.

Weekly: Perform a visual inspection of the interior of the containment bucket for water or other contaminants. If water or other contaminants are found they must be disposed of with disposable towels. Dispose of towels safely and per all applicable local, state and federal codes. Check that cover is in good condition and properly identified. Replace cover and seal as necessary. Inspect the bucket walls for cracks, bulges or holes. If any exist, have that spill container barricaded and contact maintenance personnel immediately for repairs.

NOTE: The bellows and base on the spill container can be replaced if damaged.

Semiannually: Follow all state and local required hydrostatic or vacuum testing on the buckets. Inspect and clean the interior of the spill container and drain valve screen. Remove accumulated dirt and grit. Where applicable, test the drain valve using CARB procedure TP-201.1C or TP-201.1D. If the drain valve passes testing no further maintenances required. If the drain valve fails testing, remove the valve, soak in water and use high-pressure air, if needed, to clean. Reinstall the drain valve to its proper position and where applicable, test the valve with CARB procedure TP-201.1C or TP-201.1D. If problems persist, replace the drain valve with P/N 1DK-2100-EVR (specified torque 11.5 ft-lbs min to 13.5 ft-lbs max, 5/16-18 UN thread). The sealable cover (1SC) adjustment nut is set at the factory, but due to environmental conditions it may be necessary to adjust it to either improve sealing or ease cover removal.

IMPORTANT: Leave these instructions with the Station Operator.

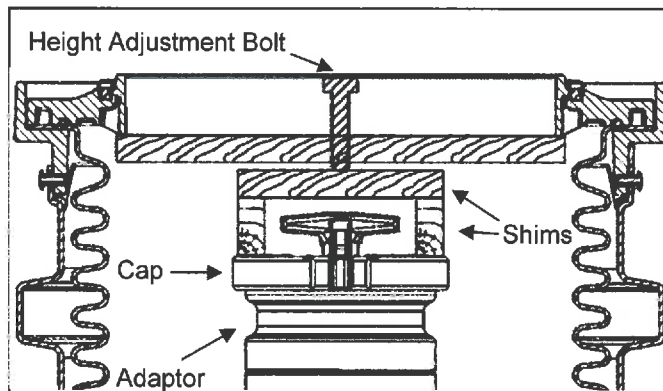


Figure 4

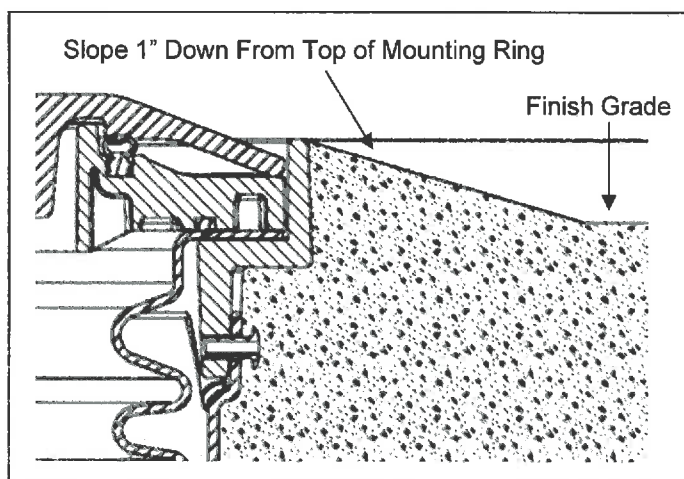


Figure 5

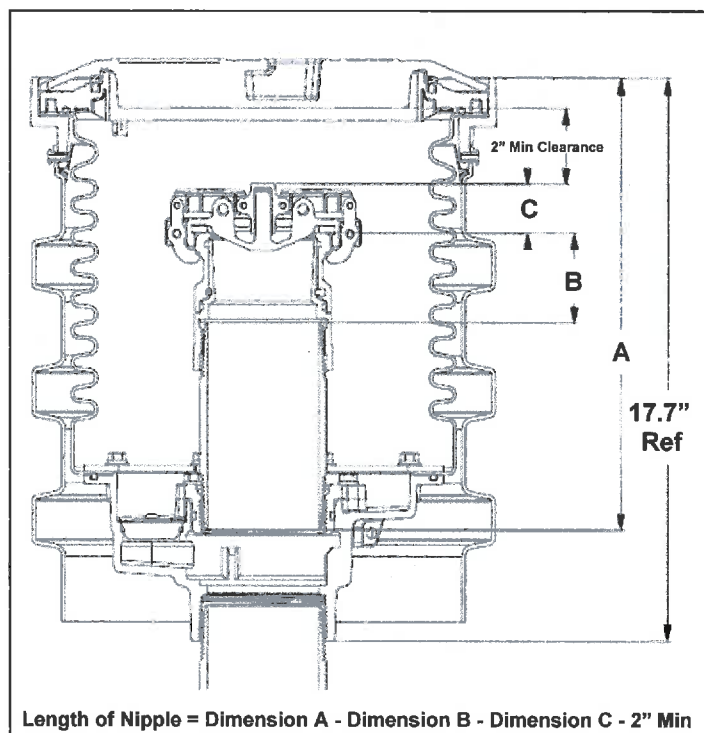


Figure 6

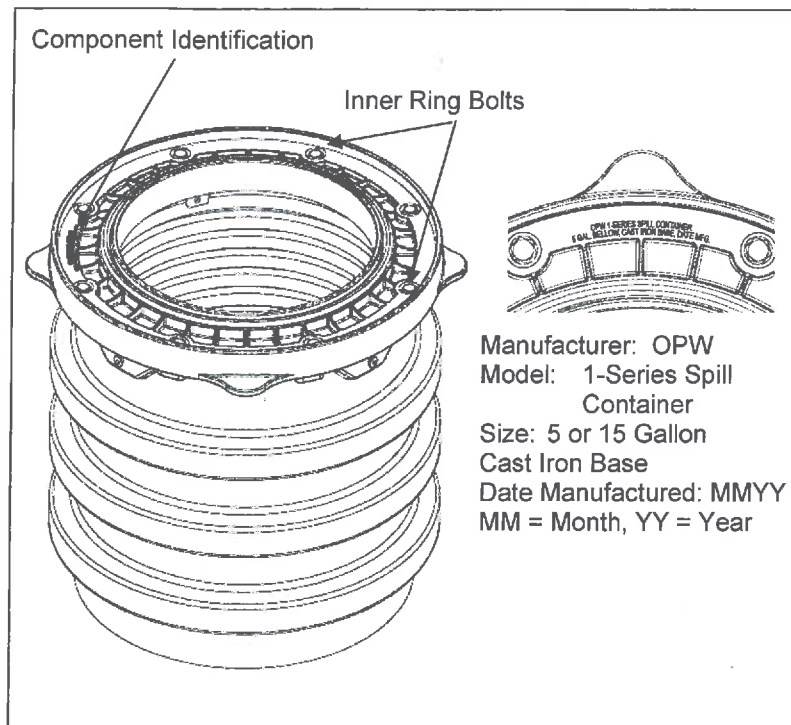


Figure 7

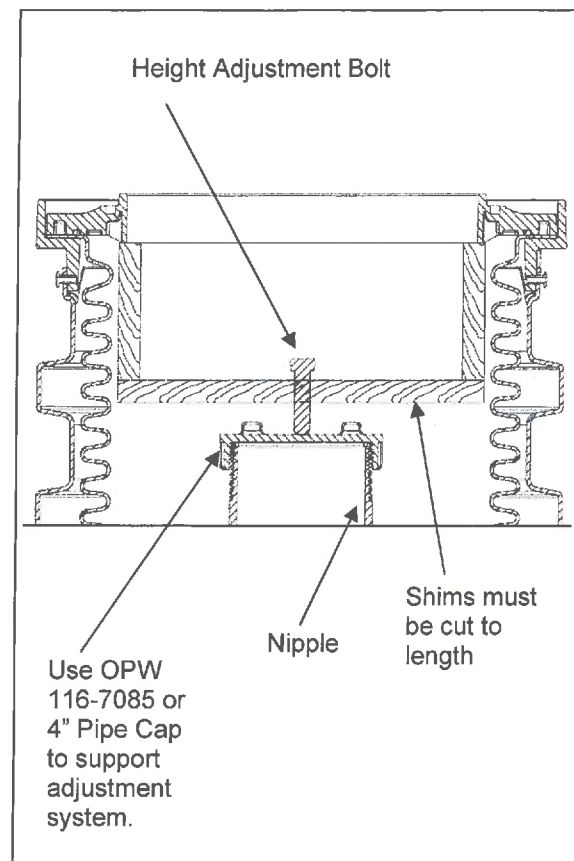


Figure 8



OPW Retail Fueling
3250 US 70 Business West
Smithfield, NC 27577
Customer Service: 1-(800) 422-2525
Technical Service and Questions:
1-(877) OPW-TECH
www.opwglobal.com

Part Number: 208197
Issue Date: DRAFT 04-24-2014
Supercedes: xxxxxx

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ULC Certification

ULC approval MH27236 includes spill containers that use the 1DP drain plug and the 1-2200 series.

CERTIFICATE OF COMPLIANCE

Certificate Number 20131023-MH27236
Report Reference MH27236-19950315
Issue Date 2013-OCTOBER-23

Issued to: OPW FUELING CONTAINMENT SYSTEMS INC
3250 U S RTE 70 BUSINESS W
SMITHFIELD NC 27577

This is to certify that
representative samples of SPILL CONTAINMENT DEVICES FOR FLAMMABLE
LIQUID STORAGE TANKS
See Addendum Page

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: ULC/ORD-C58.19, Spill Containment Devices for
Underground Flammable Liquid Storage Tanks

Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Listing Mark for Canada should be considered as being covered
by UL's Listing and Follow-Up Service meeting the appropriate Canadian requirements.

The UL Listing Mark for Canada includes: the UL Mark for Canada: "UL" with the word "LISTED"; a
control number (may be alphanumeric) assigned by UL; and the product category name (product
identifier in English, French, or English/French) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.

William R. Crouley, Director, North American Certification Programs
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please
contact a local UL Customer Service Representative at www.ul.com/customer-service.



Page 1 of 3

OPW Fueling Containment Systems

3250 Highway 70 Business West
Smithfield NC, USA 27577
919-934-2786

Mission Statement

Revolutionizing fueling operations globally by
optimizing safety, efficiency, reliability, and
environmental sustainability through innovative
fuel handling and information management solutions



CERTIFICATE OF COMPLIANCE

Certificate Number 20131023-MH27236
Report Reference MH27236-19950315
Issue Date 2013-OCTOBER-23

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Series 1-2100 Spill Containment Devices in 19 L and 57 L capacities for use with petroleum products only. The following suffixes may apply to Model 1WW-21XXYY-Z:

WW = Blank (Aluminum Cover)
C (Cast Iron or Ductile)
SC (Sealable Cover, Cast Aluminum)

XX = 00 (5 Gal)
05 (5 Gal Slip On)
15 (15 Gal)
55 (15 Gal Slip On)

YY = C (Cast iron Base)
Blank (composite base)

Z = D (drain valve)
P (plug)

Series 1-2400 Spill Containment Devices in 37 L (10 gallon) capacities for use with petroleum products only. The following suffixes may apply to Model 1WW-2400YY:

WW = Blank (NPT threads on base)
BSPT (BSPT threads on base)

YY = C (Cast Iron Base)
Blank (composite base)

Series 1-3000 Spill Containment Devices in 19L and 57 L capacities for use with petroleum products only. The following suffixes may apply to Model 1WW-3VXYZ:

WW = A (Aluminum Cover)
C (Cast Iron or Ductile)
SC (Sealable Cover, Cast Aluminum)

VV = 1 (5 gallon)
15 (15 gallon)
7 (5 gallon, steel cover)

X = 0 (no gauge)
1 (float gauge)

William R. Carney, Director, North American Certification Programs

UL 1250

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at usinfo@ul.com.





CERTIFICATE OF COMPLIANCE

Certificate Number 20131023-MH27236
Report Reference MH27236-19950315
Issue Date 2013-OCTOBER-23

2 (sensor)
3 (float and sensor)

Y = 1 (single wall, cast iron 2100 style base)
2 (double wall)
3 (single wall, cast iron 3100 style base)

Z = D (drain valve)
P (plug)

Series 1-2200 Spill Containment Devices in 19 L and 57 L capacities for use with petroleum products only. The following suffixes may apply to Model 1WW-22XXUZ:

WW = A (Aluminum Cover)
C (Cast Iron or Ductile)
SC (Sealable Cover, Cast Aluminum)
PC (Flow Ring Rain Tight Cast Iron or Ductile)
PSC (Flow Ring Sealable Cover, Cast Aluminum)

XX = 0 (5 Gal)
15 (15 gallon)

U = 0 (flange adaptor)
4 (No flange adaptor, 4" thread)

Z = D (drain valve)
P (plug)

Series OPW 6591B Multi-Port Dual Spill Containment Devices for use with petroleum products only.

William R. Gentry, Director, North American Certification Programs

UL LLC

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OPW Fueling Containment Systems

3250 Highway 70 Business West
Smithfield NC, USA 27577
919-934-2786

Mission Statement

Revolutionizing fueling operations globally by
optimizing safety, efficiency, reliability, and
environmental sustainability through innovative
fuel handling and information management solutions

California Air Resources Board, EVR, State of Missouri and Mexico Approvals

Product #	Description	Approval #	EVR Executive Order #	MOPETP #	Mexico Approvals
1611AV-1620	Vapor Recovery Adaptor	MO. No. 99-03 / 98-06		APCP-0002-001-99	
1-2100	Spill Container	CARB No. 93-26	VR-102	APCP-0002-001-99	
1-2100 (EVR) (ISC)	Spill Container (with drain valve)	MO. No. 99-03	VR-102	APCP-0002-001-99	
1C-2100 (EVR)	Spill Container	CARB No. 93-26	VR-102	APCP-0002-001-99	
1C-2200	Spill Container		VR-102		
1-2115 (EVR)	Spill Container	CARB No. 93-26	VR-102	APCP-0002-001-99	
1C-2115 (EVR)	Spill Container	CARB No. 93-26	VR-102	APCP-0002-001-99	
1DK-2100	Replacement Drain Valve Kit	Approval CARB No. 95-7	VR 102		
1DP-2100	Replacement Drain Plug Kit		VR-102		
1-3100	Spill Container	MO. No. 06-01A	VR-102		
101BG(S)-2100	Spill Container	CARB No. 93-26			
101BG(S)-2115	Spill Container	CARB No. 93-26			
30MV	Ball Float Vent Valve	CARB No. 95-33			
P500 Series	Spill Container		VR-102		
P700 Series	Spill Container		VR-102		
53FC	Float Vent Valve	MO. No. 99-03		APCP-0002-001-99	
53VML	Ball Float Vent Valve	CARB No. 92-4		APCP-0002-001-99	
60VP	Vapor Shear Valve	CARB No. 94-27			
60VSP	Vapor Shear Valve	CARB No. 97-15			
60VSPC	Vapor Shear Valve	CARB No. 97-15			
61SA	Swivel Adaptor	CARB No. 95-1		APCP-0002-001-99	SEGEMDGPCCAT-MTSR-VDOVER/001/2004
61SA Tool	Installation Tool		VR-102		
61SO	Overfill Valve	CARB No. 92-5/93-2/97-04/95-17			
61SOM	Overfill Valve	CARB No. 92-5			
61SOP	Overfill Valve	CARB No. 92-8			
61VSA (EVR)	Vapor Swivel Adaptor	CARB No. 00-11	VR-102	APCP-0002-001-99	SEGEMDGPCCAT-MTSR-VDOVER/001/2004
61JSK (EVR)	Jack Screw Kit for 61SO		VR-102	APCP-0002-001-99	
61SALP-EVR	Fill Swivel Adaptor		VR-102	APCP-0002-001-99	
FSA-400	Face Adaptor		VR-102	APCP-0002-001-99	
61AS	Side-Seal Adaptor	CARB No. G70-97A			
61T	Drop Tube	CARB No. G70-97A	VR-101 & VR-102	APCP-0002-001-99	
61TCP	Coaxial Drop Tube	CARB No. 93-1			
62	Side-Seal Cap	CARB No. G70-97A			
62M	Monitoring Cap		VR 102	APCP-0002-001-99	
62TT	Side-Seal Cap	CARB No. G70-97A			
116	Cap	CARB No. G70-97A			
7150-400C/410C/420C (T)	Vapor-Tight Overfill Valve		VR-102	APCP-0002-001-99	
233V	Extractor	CARB No. G70-97A		APCP-0002-001-99	
233VM	Extractor	CARB No. G70-97A		APCP-0002-001-99	
233SD	Extractor	CARB No. G70-97A			
233VTS	Extractor/Assembly	CARB No. G70-97A			
311	Multi-Port Spill Container	CARB No. 93-25			
511	Multi-Port Spill Container	CARB No. 92-12			
500L	Replaceable Spill Bucket		VR-102	APCP-0002-001-99	
6500 Series (EVR)	Multi-Port		VR-102	APCP-0002-001-99	
523	Pressure/Vacuum Vent	CARB No. 94-22/92-28/94-11			
523V	Pressure/Vacuum Vent	CARB No. 98-1		APCP-0002-001-99	
633LC	Locking Clamp	CARB No. 97-14		APCP-0002-001-99	
633T	Top-Seal Adaptor	CARB No. G70-97A		APCP-0002-001-99	
633TCP	Top-Seal Adaptor	CARB No. G70-97A			
634TT (EVR)	Top-Seal Cap	CARB No. G70-97A	VR-101 & VR-102	APCP-0002-001-99	
700L	Testable/Replaceable Spill Bucket		VR-102		
1711T (EVR)	Vapor Recovery Cap	CARB No. G70-97A	VR-101 & VR-102	APCP-0002-001-99	
1711TK	Cap	CARB No. G70-97A			
6111-1400 (EVR)	Tank Bottom Protector	CARB No. 98-21	VR-102	APCP-0002-001-99	
211	Spill Container	CARB No. AGT-94-01			
1711LPC	Low Profile Vapor Cap		VR-101, VR-102, VR-103, VR-104, & VR-105	APCP-0002-001-99	
634LPC	Low Profile Fill Cap		VR-101, VR-102, VR-103, VR-104, & VR-105	APCP-0002-001-99	



Below Ground Products Fuel Compatibility Matrix

Updated 12/2018

OPW Product Number	Description	Standard Fuels: ≤15% Ethanol Gasoline ≤5% Bio-Diesel*	High Ethanol Content Gasoline: 15-100% Ethanol	High Biodiesel Content 5-20% Biodiesel*	High Biodiesel Content 5-100% Biodiesel*	Av-Gas/ Jet Fuel	Kerosene/ Fuel Oil	DEF (Diesel Exhaust Fluid)
CXXA Double Wall Piping	Double Wall Primary Piping	X	X	X	X	X	X	X
DPC Series	Double Wall Pipe Couplings	X	X	X	X	X	X	
SPC Series	Single Wall Pipe Coupling	X	X	X	X	X	X	
SBC Series	Stainless Steel Swivel Bolt On Coupling	X	X	X	X	X	X	X
SMA-1515, SMA-1520, SMA-2020, SMA-3030	E-Coated Male Adaptors	X	X	X	X	X	X	
SMA-7575, SMA-1010	Swivel Male Adaptor (Brass or Zinc Plated)	X					X	
STF-1515, STF-2020, STF-2215, STF-2020	E-Coated Swivel Tees	X	X	X	X	X	X	
SFA-7575, SFA-1010	Swivel Female Adaptor (Brass or Zinc Plated)	X					X	
SEF-1515, SRE-2015, SEF-2020, SEF-3030	E-Coated Swivel Elbows	X	X	X	X	X	X	
Polyethylene and Fiberglass Sumps	Dispenser, Tank, Loop, and Transition Sumps	X	X	X	X	X	X	X
REF Series Entry Fittings	Entry Fittings	X	X	X	X	X	X	X
DEB and EBF Series	Entry Boots	X	X	X		X	X	X
1-2100 Series / Multiports / 1-2200 Series	Spill Containers	X	X	X	X	X	X	***
FibreTite Multiports	Spill Containers	X	X	X	X	X	X	***
101BG-Series	Spill Containers	X	X	X	X	X	X	***
1-3100 Series (Edge)	Double Wall & Single Wall Spill Container Series	X	X	X	X	X	X	***
60V Series	Vapor Line Shear Valve	X	X	X	X	X	X	
10 Series	Emergency Shut Off Valve	X	X	X	X	X	X	
10 Plus Series	Emergency Shut Off Valve	X	X	X	X	X	X	
60V-DEF	DEF Series Shear Valve							X
61SALP Series	Fill Swivel Adaptor	X	X	X	X	X	X	
633T-8076	Fill Adaptor	X	X	X	X	X	X	
61VSA Series	Vapor Swivel Adaptor	X	X	X	X	X	X	
1611AVB-1625	Vapor Adaptor	X	X	X	X	X	X	
634TT-7085-EVR	Fill Cap	X	X	X	X	X	X	
1711T-7085-EVR	Vapor Cap	X	X	X	X	X	X	
634LPC-040	Low Profile Fill Cap	X	X	X	X	X	X	
1711LPC-0300	Low Profile Vapor Cap	X	X	X	X	X	X	
62M Series	Monitoring Probe Cap	X	X	X	X	X	X	X
61SO & 71SO Series	Overfill Valve	X				X	X	
61SOM & 71SOM Series	Overfill Valve Anodized	X	X			X	X	
71SO-B Series	High BioDiesel Overfill Valve	X		X	X	X	X	
6111 & 61TP Series	Tank Bottom Protectors	X				X	X	
61T Series	Drop Tubes	X				X	X	
61T-SS Series	Stainless Steel Drop Tube	X	X	X	X	X	X	
61T-DEF Series	Stainless Steel DEF Drop Tube							X
233 Series	Extractor Valve	X	X	X	X	X	X	X
FCXX Series	Stainless Flex Connectors	X	X	X	X	X	X	X
53VML/30MV Series	Ball Floats	X	X	X	X	X	X	
523V Series	Pressure Vacuum Vent	X	X	X	X	X	X	X
623V Series	Pressure Vacuum Vent	X	X	X	X	X	X	X
723V Series	EVR Pressure Vacuum Vent	X	X	X	X	X	X	X

* Bio-Diesel must meet ASTM Standard for fuel quality to maintain compatibility with products above

*** Drain plug versions compatible with DEF if installed with Stainless Steel Drop Tube between Nipple and Fill Adaptor

≤ Refers to less than or equal to the fuel standard rating for percentage of content



**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**

BOB MARTINEZ CENTER
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400

RICK SCOTT
GOVERNOR

CARLOS LOPEZ-CANTERA
LT. GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

September 19, 2014

Mr. Gene Pope
Pope and Associates
6948 West Mohawk Avenue
Tampa, FL 33634-4956

Subject: Approval of the OPW Fueling Containment Systems
OPW 1-2200 Series Replaceable Single-Wall Spill Container
File No. EQ-829

Dear Mr. Pope:

The Office of District and Business Support has concluded its review of the Equipment Approval request dated July 2, 2014, that was submitted for the OPW Fueling Containment Systems OPW 1-2200 Series Replaceable Single-Wall Spill Container, pursuant to Rules 62-761.500(1)(b), and 62-761.850(2), Florida Administrative Code (F.A.C.). The OPW Fueling Containment Systems OPW 1-2200 Series Replaceable Single-Wall Spill Container is a single-walled high density polyethylene containment device within a stainless steel manufactured frame. The spill containment device provides containment around the fill connection and the containment is replaceable for repairs to restore its liquid-tight capability.

Based on the information provided by OPW Fueling Containment Systems, the OPW 1-2200 Series Replaceable Single-Wall Spill Container provides environmental protection substantially equivalent to that provided by compliance with the requirements established in Rule 62-761.500(1)(b), F.A.C. The OPW Fueling Containment Systems OPW 1-2200 Series Replaceable Single-Wall Spill Container may be used as a spill containment device associated with underground storage tank systems.

Pursuant to Rule 62-761.850(2), F.A.C., the request for the use of the OPW Fueling Containment Systems OPW 1-2200 Series Replaceable Single-Wall Spill Container is approved in the State of Florida as a spill containment device associated with underground storage tank systems. The installation and integrity testing procedures for the OPW Fueling Containment Systems OPW 1-2200 Series Replaceable Single-Wall Spill Container shall be made in accordance with the manufacturer's recommendations.

Please be advised that the above referenced DEP rules are subject to change. If the above rule standards are modified in the future, this order may be modified or rescinded for future upgrades and installations. Additionally, if the product(s) show a consistent pattern of failure(s), and therefore does not provide substantially equivalent environmental protection, the Department may rescind this order.

The Department's Order shall become final unless a timely petition for an administrative hearing is filed under sections 120.569 and 120.57, F.S., within **21** days of receipt of this Order. Persons who have filed such a petition may seek to mediate the dispute and choosing mediation will not adversely affect the right

to a hearing if mediation does not result in a settlement. The procedures for petitioning a hearing and pursuing mediation are set forth below.

Persons affected by this Order have the following options:

- A. If you choose to accept the Department's decision regarding the Order, you do not have to do anything. This Order is final and effective as of the date on the top of the first page of this Order.
- B. If you choose to challenge the decision, you may do the following:
 - 1. File a request for an extension of time to file a petition for hearing with the Department's Agency Clerk in the Office of General Counsel within **21** days of receipt of this Order. This request should be made if you wish to meet with the Department in an attempt to resolve any disputes without first filing a petition for hearing or negotiate an agreement to mediate; or
 - 2. File a petition for administrative hearing with the Department's Agency Clerk in the Office of General Counsel within **21** days of receipt of this Order.

In addition to requesting an administrative hearing, any petitioner may elect to pursue mediation under Section 120.573, F.S., and must negotiate an agreement to mediate within **10** days after the deadline for filing a petition.

How to Request an Extension of Time to File a Petition for Hearing

For good cause shown, pursuant to Rule 62-110.106(4), F.A.C., the Department may grant a request for an extension of time to file a petition for hearing. Such a request must be filed (received) by the Agency Clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, within **21** days of receipt of this Order. Petitioner, if different from the applicant, shall mail a copy of the request to the applicant at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

How to File a Petition for Administrative Hearing

A person whose substantial interests are affected by this Order may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) by the Agency Clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, MS 35, Tallahassee, Florida, 32399-3000, within **21** days of receipt of this Order. Petitioner, if different from the applicant shall mail a copy of the petition to the applicant at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

Pursuant to Subsection 120.569(2), F.S., and Rule 28-106.201, F.A.C., a petition for administrative hearing shall contain the following information.

- a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any, the site owner's name and address, if different from the petitioner, the DEP facility number, and the name and address of the facility;
- b) A statement of when and how the petitioner received notice of the Department's action or proposed action;

- c) An explanation of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- d) A statement of the disputed issues of material fact, or a statement that there are no disputed facts;
- e) A concise statement of the ultimate facts alleged, including a statement of the specific facts the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- f) A statement of the specific rules or statutes the petitioner contends requires reversal or modification of the Department's action or proposed action; and
- g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's action or proposed action.

How to Pursue Mediation

In addition to requesting an administrative hearing, any petitioner may elect to pursue mediation. The election may be accomplished by filing with the Department a mediation agreement with all parties to the proceeding (i.e., the applicant, the Department, and any person who has filed a timely and sufficient petition for hearing). The agreement must contain all the information required by Rule 28-106.404, F.A.C. The agreement, signed by all parties, must be received by the Agency Clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000 within **10** days after the deadline for filing a petition, as set forth above. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement.

Pursuant to Rule 28-106.404, F.A.C., an agreement to mediate must include the following.

- (i) The name, address, and telephone number of the persons who may attend the mediation, (also the DEP facility number, the name and address of the facility if applicable);
- (ii) The name, address, and telephone number of the mediator agreed to by the parties;
- (iii) How the costs and fees associated with the mediation will be allocated (the Department will not pay any of the costs of mediation);
- (iv) The agreement of the parties regarding the confidentiality of discussions and documents introduced during mediation to the extent authorized by law;
- (v) The date, time, and place of the first mediation session;
- (vi) The name of the party's representative who shall have authority to settle or recommend settlement; and
- (vii) The signature of the parties.

As provided in Section 120.573, F.S., the timely agreement of all parties to mediate will toll the time limitations imposed by Sections 120.569 and 120.57, F.S., for holding an administrative hearing and issuing a final order. Unless otherwise agreed by the parties, the mediation must be concluded within sixty days of the execution of the agreement. If mediation results in settlement of the administrative dispute, the Department must enter a final order incorporating the agreement of the parties. Persons seeking to protect their substantial interests that would be affected by such a modified final decision must file their petitions within **21** days of receipt of this notice, or they shall be deemed to have waived their right to a proceeding under Sections 120.569 and 120.57, F.S. If mediation terminates without settlement of the dispute, the Department shall notify all parties in writing that the administrative hearing processes under Sections 120.569 and 120.57, F.S., are resumed.

This Order is final and effective as of the date on the top of the first page of this Order. Timely filing a petition for administrative hearing postpones the date this Order takes effect until the Department issues either a final order pursuant to an administrative hearing or mediation settlement.

Judicial Review

Any party to this Order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Agency Clerk of the Department in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this order is filed with the clerk of the Department (see below).

Questions

Any questions regarding the Department's review of your equipment approval should be directed to John Svec at (850)245-8845. Questions regarding legal issues should be referred to Rebecca Robinette, Office of General Counsel, at (850)245-2242. Contact with any of the above does not constitute a petition for administrative hearing, a request for a time extension to file a petition for hearing or an agreement to mediate.

Sincerely,



John A. Coates, PE, Assistant Division Director
Division of Waste Management

JAC/js

FILING AND ACKNOWLEDGMENT FILED,
on this date, pursuant to §120.52 Florida Statutes,
with the designated Department Clerk, receipt of
which is hereby acknowledged.



Clerk
(or Deputy Clerk)

9/19/14
Date

1-2200 Series Replaceable Single-Wall Spill Container



Available
Q1 2014

FEATURES:

- Flange Adapter allows easy removal of fill/vapor adapter and access to the drop tube and overfill valve
- Innovative Snowplow Ring-less Cover Design with Integrated Lift Handle
- Removable Bellows and Ring

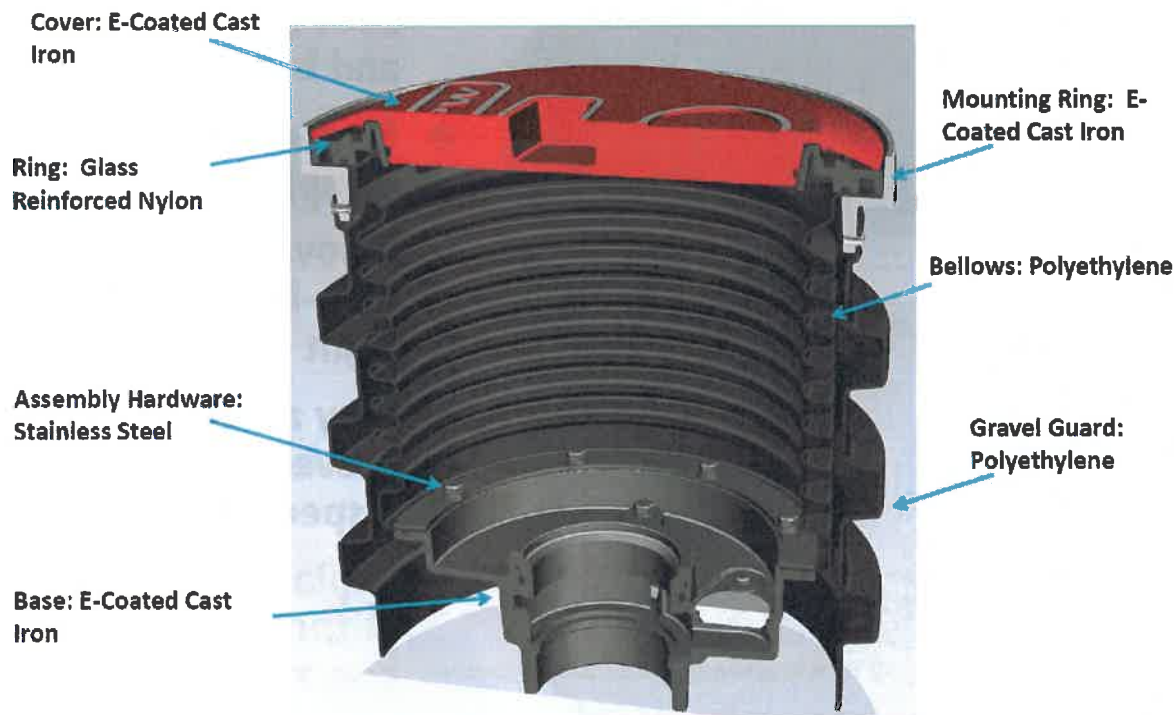
- ◆ Designed for proposed 2014 EPA Regulations and beyond
- ◆ Prepares you for future compliance
- ◆ Innovative Snowplow Ring-less Liquid Tight Cover
- ◆ Easy access for overfill prevention valve testing inspection
- ◆ Replaceable bucket without breaking concrete





Component Cut Sheets

1-2200 Series



Major Features

- Ring-less Cover
- Handle in Cover
- Removable Bellows and Ring
- Flange Adapter Feature: allows easy removal of fill/vapor adapter and access to the drop tube/overfill valve
- Available with drain valve or plug
- Integral ledge eliminates the need for face seal adapter



OPW Retail Systems

3250 Highway 70 Business West
Smithfield NC, USA 27577
919-934-2786

Mission Statement

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Cover / Ring Design

Cover Design Eliminates Snow Plow

Ring:

- Cover angle deflect snow plow
- Can be upgraded to SC Cover with Edge Snow Plow Ring

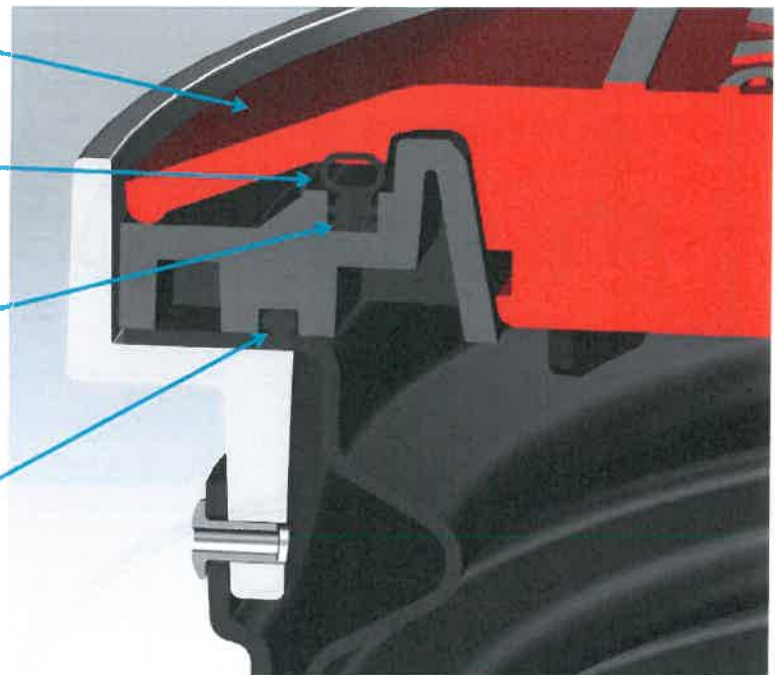
"Bubble" Seal for cover:

- Similar as on Edge and 1-2100

Seal installed in ring:

- Keeps from being damaged or displaced when lid removed
- Seals to the lid, so debris won't collect on sealing surface when removed

Ring Seals to Bellows w/ O-ring:



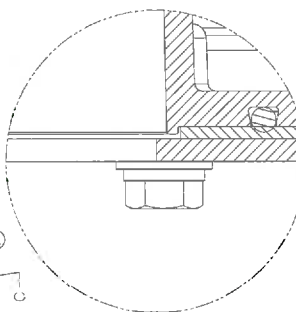
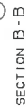
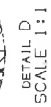
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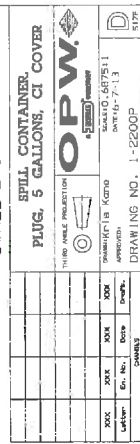
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DETAIL C
SCALE 2:1

NO.	PART NO.	DESCRIPTION	QTY.
1	207203	BELOWS	1
2	207211	O-RING	1
3	207212	LOWER RING	2
4	207215	MOUNTING RING	1
5	207234	UPPER RING	1
6	2072 35	COVER	1
7	2072 37	ROCK GUARD	1
8	207246	3/8-16 X 3/4 BOLT	8
9	H15260M	3/8 FLAT WASHER	9
10	H15260M	FLANGE ADAPTER	1
11	2017 35	FLANGE ADAPTER	1
12	2017 35	FLANGE ADAPTER	1
13	200254	LOCKWASHER	19
14	2015 3B	RIVET	1
15	2016 92	O-RING	1
16	201448	BOLT	11
17	H1 242PM	PLUG	1
18	H1 081BM	WASHER	2
19	H1 4955M	SCREW	2
20	H1 0526M	COVER	1
21	H1 2264M	CARTON SEAL	1
22	207684	INSTRUCTION SHEET	1
23			

ITEMS NOT SHOWN.



ALL DIMENSIONS ARE IN INCH

TOLERANCES	UNLESS OTHERWISE SPECIFIED
$XX.XX = \pm .005$	$[XX.XX = \pm .12 \text{ mm}]$
$XX.X = \pm .01$	$[XX.X = \pm .24 \text{ mm}]$
$XX = \pm .03$	$[X = \pm .8 \text{ mm}]$
CASTING FRACTIONAL = $\pm 1/32"$	
MACHINE FRACTIONAL = $\pm 1/64"$	
FINISH = 125 RMS $[3.2 \text{ mm}]$	
ANIS. = $\pm 1/2"$	



OPW 1-2200 Series Thread-On Single Wall Grade Level Spill Containers with Replaceable Bellows

Installation and Maintenance Instructions

Please read these warnings and 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 1-2200 Spill Container is preassembled 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: Keep the riser pipe capped at all times when product is in the storage tank, 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.

OPW STANDARD PRODUCT WARRANTY TAG

Notice: FlexWorks by OPW, Inc., VAPORSAVER™ and all other OPW products must be used in compliance with all applicable federal, state, provincial and local laws, rules and regulations. Product selection is the sole responsibility of the customer and/or its agents and must be based on physical specifications and limitations, 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 specifications are subject to change at any time, and models may be discontinued at any time, in either case, without notice or obligation.

OPW warrants solely to its customer (the initial purchaser and any subsequent purchasers within the warranty period) that the following products sold by OPW will be free from defects in materials and workmanship under normal use and conditions for the periods indicated:

PRODUCT	WARRANTY PERIOD
FlexWorks Primary Pipe	10 years from date of manufacture
All Products and replacement parts installed in the State of California Certified to California CP-201 and/or CP-206 Standards*	1 year from date of installation (proof of purchase from certified contractors/technicians required) OPW warrants ongoing compliance with the standards and specifications for the duration of the warranty period required by the State of California; this limited warranty is under the condition the equipment was installed and maintained by trained and certified contractors/technicians unless noted in Installation Manual.
All other Products and replacement parts	1 year from date of manufacture**
*Products certified to California CP-201 and/or CP-206 Standards have been factory tested and met all applicable performance standards and specifications and will have an OPW registration card enclosed/attached to the product.	

OPW's exclusive obligation under this limited warranty is, at its option, to repair, replace or issue credit (in an amount not to exceed the list price for the product) for future orders for any product that may prove defective within the applicable warranty period. (Parts repaired or replaced under warranty are subject to prorated warranty coverage for remainder of the original warranty period). Complete and proper warranty claim documentation and proof of purchase required. All warranty claims must be made in writing and delivered during the applicable warranty period to OPW at OPW 9393 Princeton-Glendale Road Hamilton, Ohio, USA 45011, Attention: Customer Service Manager. No products may be returned to OPW without its prior written authority.

This limited warranty shall not apply to any FlexWorks or VAPORSAVER™ product unless it is installed by an OPW attested installer and all required site and warranty registration forms are completed and received by OPW within 60 days of installation. This limited warranty also shall not apply to any FlexWorks, VAPORSAVER™ or other OPW product: unless all piping connections are installed with a nationally-recognized or state-approved leak detection device in each tank and dispenser sump (which are not for storage and from which all discharge hydrocarbons must be removed, and the systems completely cleaned, within 24 hours); unless testable sumps utilize FlexWorks pipe and access fittings; unless a sump inspection log or an EPA recommended/required checklist is maintained and the results are furnished to OPW upon request; and unless OPW is notified within 24 hours of any known or suspected product failure and is provided with un-

restricted access to the product and the site. This limited warranty also shall not apply to any product which has been altered in any way, which has been repaired by anyone other than a service representative authorized by OPW, or when failure or defect is due to: improper installation or maintenance (including, without limitation, failure to follow Flex-Works Quick Reference Manual Installation Guide and all product warning labels); abuse or misuse; violation of health or safety requirements; use of another manufacturer's, or otherwise unauthorized, substances or components; soil or other surface or subsurface conditions; or fire, flood, storm, lightning, earthquake, accident or any other conditions, events or circumstances beyond OPW's control.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND ALL OTHER WARRANTIES INCLUDING, WITHOUT LIMITATION, THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY EXCLUDED.

OPW shall have no other liability whatsoever, whether based on breach of contract, negligence, gross negligence, strict liability or any other claim, including, without limitation, for special, incidental, consequential or exemplary damages or for the cost of labor, freight, excavation, clean-up, downtime, removal, reinstallation, loss of profit, or any other cost or charges. No person or entity is authorized to assume on behalf of OPW any liability beyond this limited warranty. This limited warranty is not assignable.

**** Date of manufacture on this product is located on the inner ring of the bucket.**

In some states it is prohibited to use spill container drain valves on spill containers that are exclusively used for vapor return risers. Install only 1-2200 Series Thread-On spill container models equipped with a drain plug.

WARNING: If the inner ring, lower bellows ring, bellows, or base is removed for any reason, follow the Operation and Maintenance instruction as noted. Replace o-rings and seals and install new ones. Never reuse damaged o-rings or seals as it may result in an improper seal. Only qualified, competent, well-trained technicians should perform maintenance. Common sense and good judgment should always be exercised. The contractor's understanding of all related site conditions prior to starting the project is essential. If the contractor does not have a clear understanding of the required work and site conditions, the contractor is advised to seek clarification prior to starting any portion of the project.

NOTICE TO DELIVERY DRIVER: All delivery drivers MUST inspect the inside of the container for water or contaminants other than fuel prior to delivery. If water or contaminants are present, then they MUST be removed before proceeding. Dispose of towels and debris safely and per all applicable local, state, and federal codes. After delivery is complete, the driver MUST drain any excess fuel that may have spilled into the container from their delivery hose.

1-2200 Series Performance Specifications: This Spill Container drain valve has been manufactured and tested to the following specifications: Leak Rate to be less than or equal to 0.17 CFH @ 2.0 " W.C.

Torque Specification:

Spill Container 4" NPT, 125 ft-lbs minimum to 250 ft-lbs maximum.

4" Nipple: 4" NPT, 125 ft-lbs minimum to 250 ft-lbs maximum.

NOTE: All 4" NPT threads are to be torqued progressively lower from the tank up.

Drain Valve clamps: 5/16-18 UN thread, 11.5 ft-lbs minimum to 13.5 ft-lbs maximum.

Nipple Adaptor Bolts: 3/8-16 UN, 20 ft-lbs minimum to 25 ft-lbs maximum.

Inner Ring and Lower Bellows Ring Bolts: 3/8 - 16 UN, 15 ft-lbs minimum to 20 ft-lbs maximum.

Tools Recommended:

1-3100-TOOL - Torque Installation Tool

DW-VAC-TEST - Vacuum Test Equipment

SC-TEST-Sealable Test Cover

OPW 1-2200 SERIES GRADE LEVEL SPILL CONTAINER INSTALLATION INSTRUCTIONS:

Step 1: (See Figures 1 and 2)

Determine riser pipe height. "L" is the distance between the top of the riser pipe and finish grade.

NOTE: The spill container height (from riser to grade) is L + 1".

Model Series	"L" Dimension
5 Gal. (Cast Iron Base)	L = 15 5/8" (40 cm)
15 Gal. (Cast Iron Base)	L = 17 3/8" (44 cm)

Step 2:

De-burr and thoroughly clean riser pipe. Apply pipe dope to riser threads. Pipe dope is to be a non-hardening, gasoline resistant pipe thread seal compound.

NOTE: Ground riser pipe to nearest grounding rod.

Step 3:

Install spill container by rotating the mounting ring until hand tight.

NOTE: Do NOT attempt to completely tighten the container using the mounting ring. Doing so may cause the unit to fail.

Step 4: (See Figure 2)

Finish tightening the spill container base using the wrenching boss or with the 1-3100-TOOL. Torque to 125 ft-lbs min. to 250 ft-lbs max (4" NPT). 1-3100-TOOL can be used to set final torque (see 1-3100-TOOL instructions). **NOTE:** Per PEI RP100 Section 5.11, support the spill container after installing before backfilling.

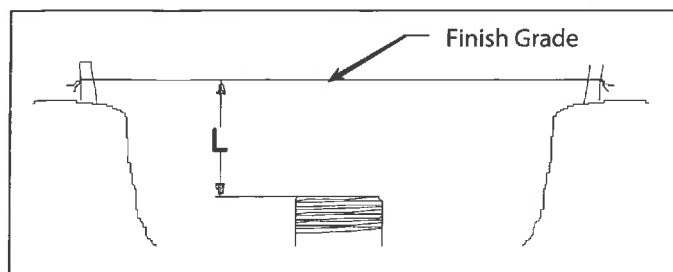


Figure 1

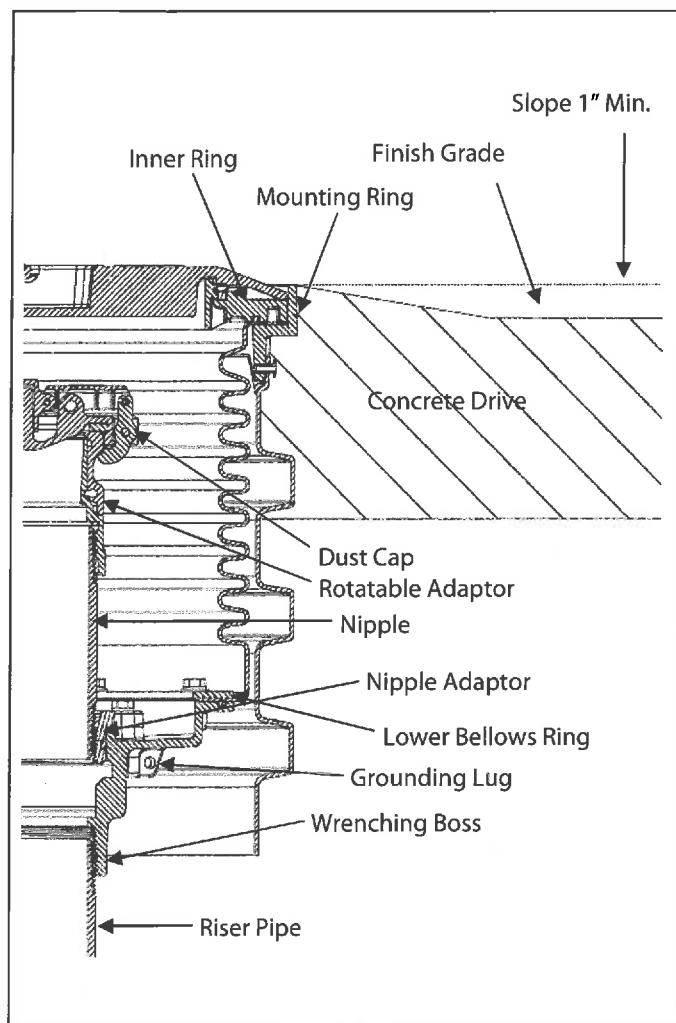


Figure 2

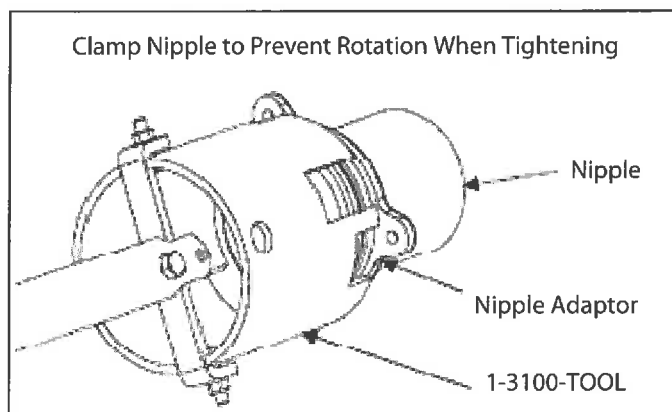


Figure 3

Step 5: (See Figures 2 & 3)

Remove Nipple Adaptor from spill container. Apply pipe dope to nipple and install in Nipple Adaptor. Pipe dope is to be a non-hardening, gasoline resistant pipe thread seal compound. Use only factory made nipples. Torque nipple to 125 ft-lbs min. to 250 ft-lbs max. (4" NPT). 1-3100-TOOL can be used to set final torque. Torque value is based on rotation at the center of pipe. For standard covers install rotatable adaptor and dust cap per manufacturers' instructions. For sealable cover (1SC) models, install a standard 4" pipe cap to support adjustment system. (Adaptor and dust cap must be installed in sealable cover (SC) models after concrete has dried. Install drop tube, overfill prevention valve and/or loose jack screw assembly if used (61JSK-44CB) per manufacturers' instructions. Reinstall the Nipple Adaptor in spill container. Torque Nipple Adaptor bolts to 20 ft-lbs minimum to 25 ft-lbs maximum.

NOTE: Nipple length is determined by measuring from the bottom of the threaded portion of the base to the bottom of the cover. Then subtract 2" minimum for clearance, height of adaptor and height of cap. Range of nipple lengths that can be used in all of the OPW spill containers: 4" min to 9" max. (See Figure 6)

Step 6: (See Figures 4 & 8)

If necessary, the height of the spill container can be adjusted by $\pm 1.5"$ (3.8cm). If it is necessary to increase height, install adjusting system (sold separately for 5 gallon models, part number H12267) beneath tabs on mounting ring. See Figure 4 for standard cover models and Figure 8 for sealable cover models. Add shims as needed and adjust with screw (shims must be cut to size for sealable cover models).

NOTE: The adjustment should not be more than 1.5" from the initial length of the unit.

Step 7:

Where applicable, upon preliminary installation perform the CARB Test Procedure TP-201.1C or equivalent. This Test Procedure will check the seals between the drain valve, nipple, bases, and rotatable adaptor.

NOTE: Follow all state and local required testing on the primary and secondary buckets.

Step 8: (See Figure 7)

Verify torque on mounting ring bolts. Torque to be 15 ft-lbs minimum to 20 ft-lbs maximum.

Perform a hydrostatic test on the spill container. To test the spill container base and bellows, fill the container with water. A drop in the water level of $1/8"$ or greater after one hour means that a leak exists. 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 UST 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 or bellows should be replaced.

As an alternate to a hydrostatic test a vacuum test can be performed on the spill container. Using OPW DW-VAC-TEST and SC-TEST, perform a vacuum test on the spill container. An initial vacuum of 15" of water should be attained and the spill container must retain a vacuum of at least 12" of water after 5 minutes. (See DW-VAC-TEST Instructions.)

Step 9: (See Figures 2 & 5)

Before pouring concrete, place plastic over the cover and Mounting Ring protecting them from concrete splash. Double check that the unit is level and at proper grade height. Pour concrete per Figure 5. Ramp or dome the concrete away from the mounting ring.

There should be a minimum of 1" slope to finish grade.

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

Remove plastic from cover after concrete has dried. Remove adjustment system. Re-test the spill containers for leaks as described in Step 8, after the concrete has set up.

Operation and Maintenance:

After each fuel delivery, the operator must remove any standing fuel from the container. Fuel can be removed by actuating the drain valve or with a gasoline absorbing disposable towel. If access to drop tube or overfill valve is required remove Nipple Adaptor from primary bucket.

Weekly: Perform a visual inspection of the interior of the containment bucket for water or other contaminants. If water or other contaminants are found they must be disposed of with disposable towels. Dispose of towels safely and per all applicable local, state and federal codes. Check that cover is in good condition and properly identified. Replace cover and seal as necessary. Inspect the bucket walls for cracks, bulges or holes. If any exist, have that spill container barricaded and contact maintenance personnel immediately for repairs.

NOTE: The bellows and base on the spill container can be replaced if damaged.

Semiannually: Follow all state and local required hydrostatic or vacuum testing on the buckets. Inspect and clean the interior of the spill container and drain valve screen. Remove accumulated dirt and grit. Where applicable, test the drain valve using CARB procedure TP-201.1C or TP-201.1D. If the drain valve passes testing no further maintenances required. If the drain valve fails testing, remove the valve, soak in water and use high-pressure air, if needed, to clean. Reinstall the drain valve to its proper position and where applicable, test the valve with CARB procedure TP-201.1C or TP-201.1D. If problems persist, replace the drain valve with P/N 1DK-2100-EVR (specified torque 11.5 ft-lbs min to 13.5 ft-lbs max, 5/16-18 UN thread). The sealable cover (1SC) adjustment nut is set at the factory, but due to environmental conditions it may be necessary to adjust it to either improve sealing or ease cover removal.

IMPORTANT: Leave these instructions with the Station Operator.

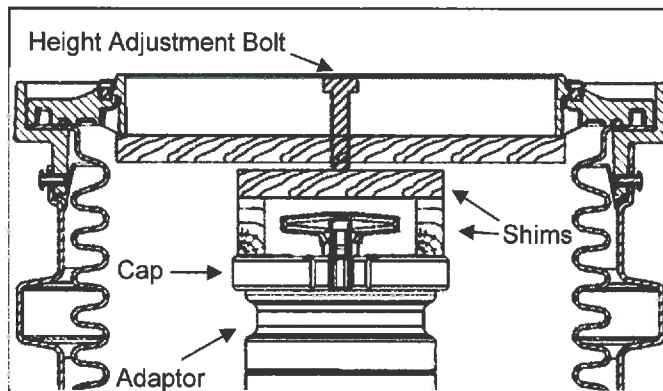


Figure 4

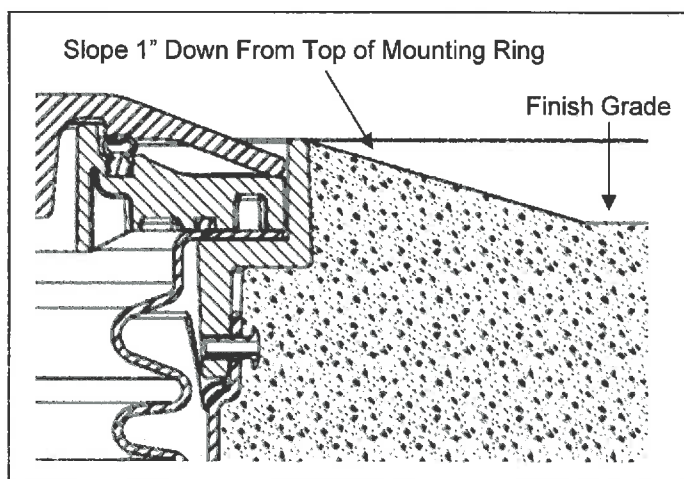


Figure 5

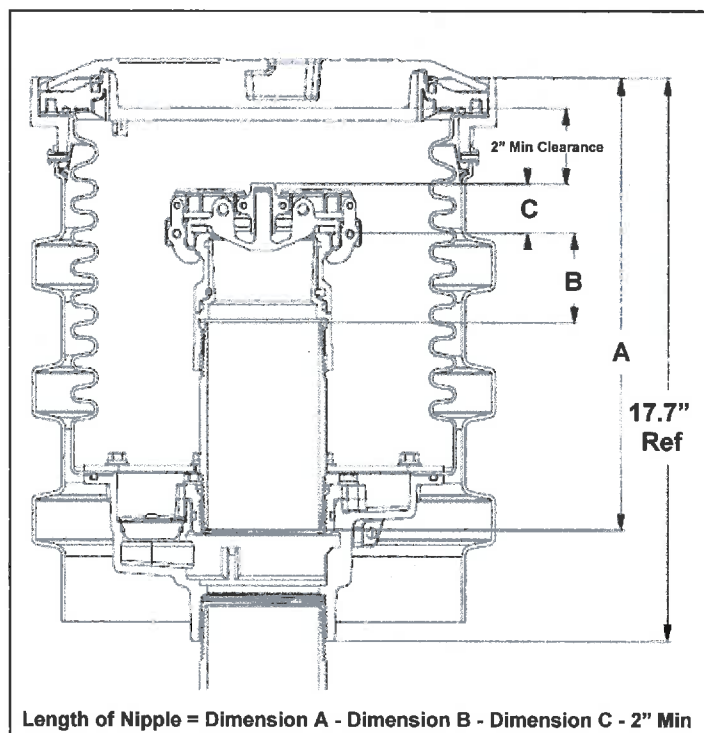


Figure 6

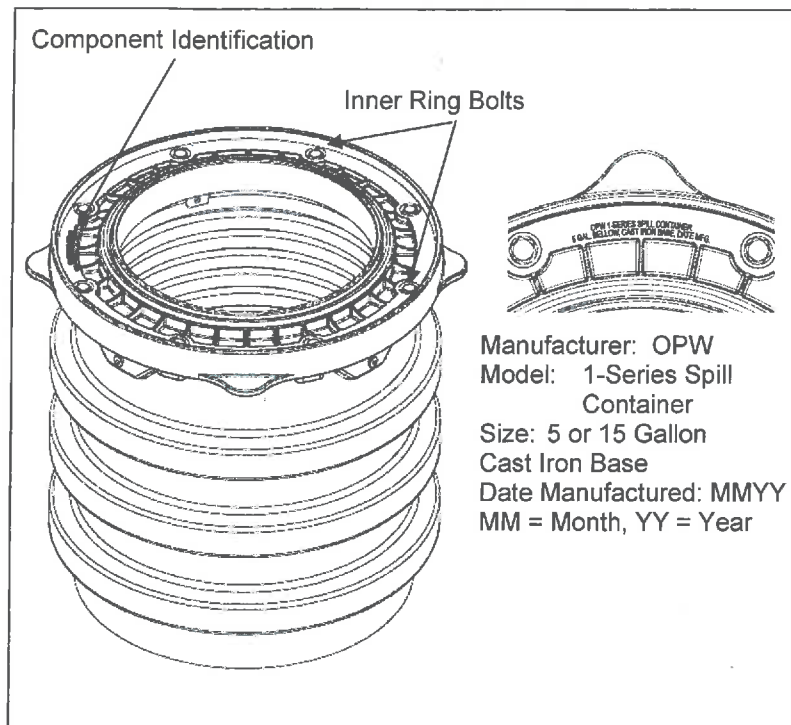


Figure 7

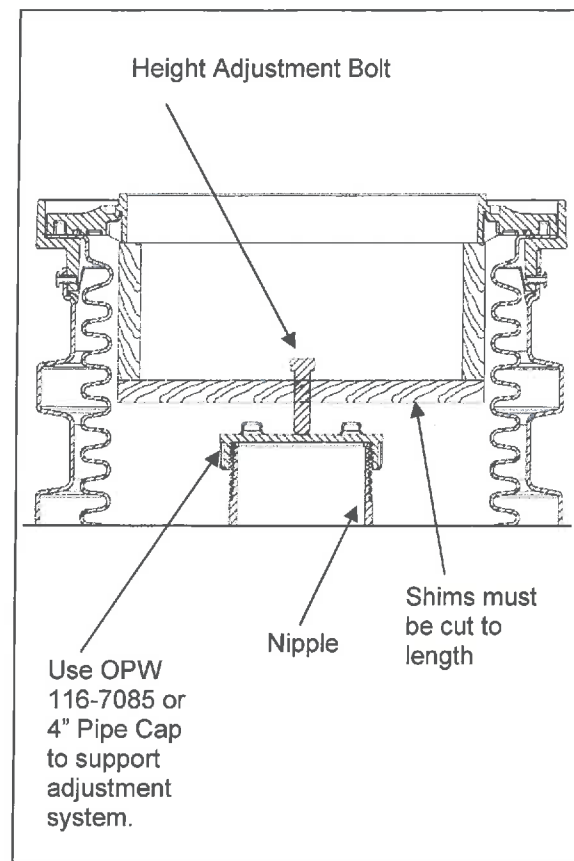


Figure 8



OPW Retail Fueling
3250 US 70 Business West
Smithfield, NC 27577
Customer Service: 1-(800) 422-2525
Technical Service and Questions:
1-(877) OPW-TECH
www.opwglobal.com

Part Number: 208197
Issue Date: DRAFT 04-24-2014
Supercedes: xxxxxx

Notice: OPW products must be used in compliance with applicable federal, state, provincial 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 production information available at the time of publication. Prices, materials and specifications are subject to change at any time, and models may be discontinued at any time, in either case, without notice or obligation. For complete OPW warranty information, visit our web site at www.opwglobal.com.



ULC Certification

ULC approval MH27236 includes spill containers that use the 1DP drain plug and the 1-2200 series.

CERTIFICATE OF COMPLIANCE

Certificate Number 20131023-MH27236
Report Reference MH27236-19950315
Issue Date 2013-OCTOBER-23

Issued to: OPW FUELING CONTAINMENT SYSTEMS INC
3250 U S RTE 70 BUSINESS W
SMITHFIELD NC 27577

This is to certify that
representative samples of SPILL CONTAINMENT DEVICES FOR FLAMMABLE
LIQUID STORAGE TANKS
See Addendum Page

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: ULC/ORD-C58.19, Spill Containment Devices for
Underground Flammable Liquid Storage Tanks

Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Listing Mark for Canada should be considered as being covered
by UL's Listing and Follow-Up Service meeting the appropriate Canadian requirements.

The UL Listing Mark for Canada includes: the UL Mark for Canada: "UL" with the word "LISTED"; a
control number (may be alphanumeric) assigned by UL; and the product category name (product
identifier in English, French, or English/French) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.

William R. Crouley, Director, North American Certification Programs
UL LLC

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contact a local UL Customer Service Representative at www.ul.com/customer-service.



OPW Fueling Containment Systems

3250 Highway 70 Business West
Smithfield NC, USA 27577
919-934-2786

Mission Statement

Revolutionizing fueling operations globally by
optimizing safety, efficiency, reliability, and
environmental sustainability through innovative
fuel handling and information management solutions



CERTIFICATE OF COMPLIANCE

Certificate Number 20131023-MH27236
Report Reference MH27236-19950315
Issue Date 2013-OCTOBER-23

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Series 1-2100 Spill Containment Devices in 19 L and 57 L capacities for use with petroleum products only. The following suffixes may apply to Model 1WW-21XXYY-Z:

WW = Blank (Aluminum Cover)
C (Cast Iron or Ductile)
SC (Sealable Cover, Cast Aluminum)

XX = 00 (5 Gal)
05 (5 Gal Slip On)
15 (15 Gal)
55 (15 Gal Slip On)

YY = C (Cast iron Base)
Blank (composite base)

Z = D (drain valve)
P (plug)

Series 1-2400 Spill Containment Devices in 37 L (10 gallon) capacities for use with petroleum products only. The following suffixes may apply to Model 1WW-2400YY:

WW = Blank (NPT threads on base)
BSPT (BSPT threads on base)

YY = C (Cast Iron Base)
Blank (composite base)

Series 1-3000 Spill Containment Devices in 19L and 57 L capacities for use with petroleum products only. The following suffixes may apply to Model 1WW-3VXYZ:

WW = A (Aluminum Cover)
C (Cast Iron or Ductile)
SC (Sealable Cover, Cast Aluminum)

VV = 1 (5 gallon)
15 (15 gallon)
7 (5 gallon, steel cover)

X = 0 (no gauge)
1 (float gauge)

William R. Carney, Director, North American Certification Programs

UL 1250

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CERTIFICATE OF COMPLIANCE

Certificate Number 20131023-MH27236
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Issue Date 2013-OCTOBER-23

2 (sensor)
3 (float and sensor)

Y = 1 (single wall, cast iron 2100 style base)
2 (double wall)
3 (single wall, cast iron 3100 style base)

Z = D (drain valve)
P (plug)

Series 1-2200 Spill Containment Devices in 19 L and 57 L capacities for use with petroleum products only. The following suffixes may apply to Model 1WW-22XXUZ:

WW = A (Aluminum Cover)
C (Cast Iron or Ductile)
SC (Sealable Cover, Cast Aluminum)
PC (Flow Ring Rain Tight Cast Iron or Ductile)
PSC (Flow Ring Sealable Cover, Cast Aluminum)

XX = 0 (5 Gal)
15 (15 gallon)

U = 0 (flange adaptor)
4 (No flange adaptor, 4" thread)

Z = D (drain valve)
P (plug)

Series OPW 6591B Multi-Port Dual Spill Containment Devices for use with petroleum products only.

William R. Gentry, Director, North American Certification Programs

UL LLC

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OPW Fueling Containment Systems

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Mission Statement

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