A1005-505CP1

Stainless Steel Spill Containment Replacement for Pomeco 111

INSTALLATION INSTRUCTIONS

Refer to your local regulations and AHJ before installation of this product

US Patents 8,425,145 B2 and 8,425,145 B

Emco Supplied Parts

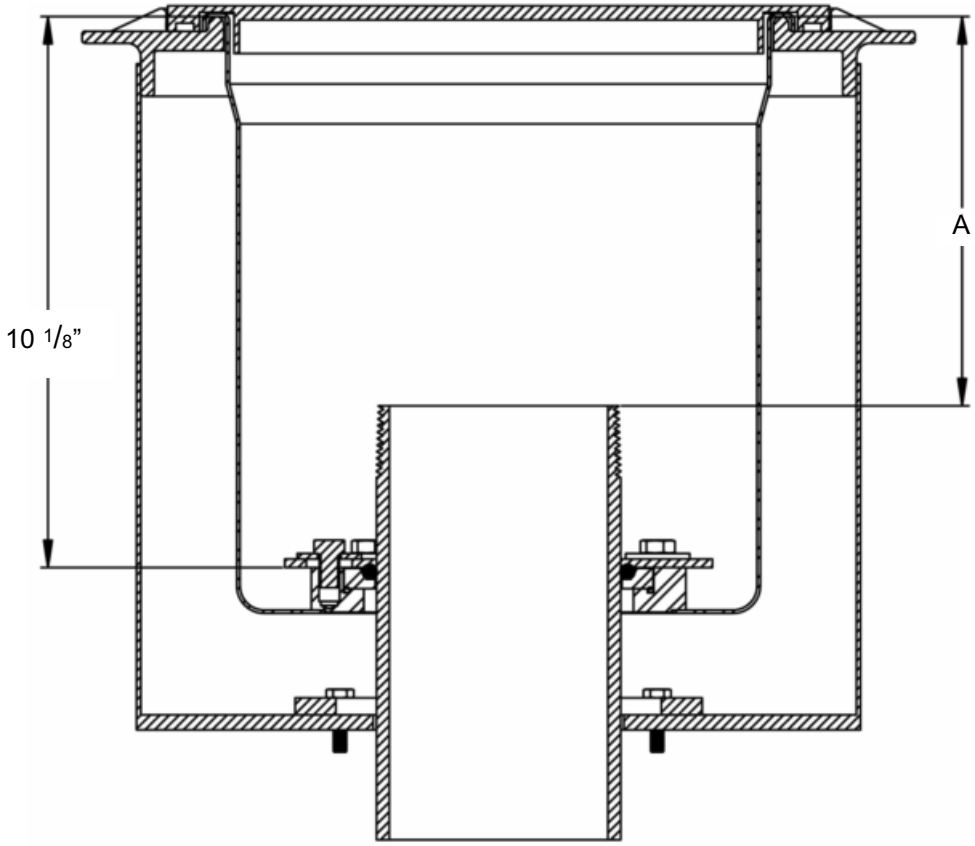
Stainless steel bucket
(2) O-rings
Offset ring
(3) split flanges
(9) stainless steel bolts
(9) washers
Lid w/seal

Required Tools

9/16” socket
12” extension and ratchet
Wire brush
Urethane sealant
(such as Emco Z0839-001)
Adapter wrench
Plumbers putty or heavy grease
Scotch Brite (or equivalent pad)

Purchased Separately from Emco

Emco 494833 Test Cover
Emco A1004-210TEST



Step 1: Measure Dimension A from inside the rim (see drawing above) to the top of the existing nipple. This dimension must be greater than 6 3/4" for a vapor application and 6 1/4” for a fill application (using Emco swivel adapters). If the dimensions are less than specified, an alternative nipple, or a low profile cap and/or adapter will be required. May require use of a non-swivel adapter.

Step 2: Loosen bolts in bottom of bucket and remove seal.

Step 3: Measure from the drain channel down 10 1/8”. At this dimension, you must have a clean pipe surface. This is where the o-ring will seal. Use Scotch Brite pad to clean the pipe at this height, if necessary.

Step 4: Test fit the new stainless steel liner to ensure that it sits completely flat on the top of the rim surface. If the riser pipe is not visually straight up and down, it is possible that the liner will not seat properly. Rotate the liner as required to ensure proper alignment with the riser. Remove the liner.

A1005-505CP1 Series
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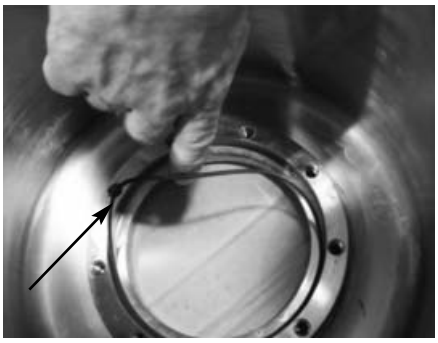
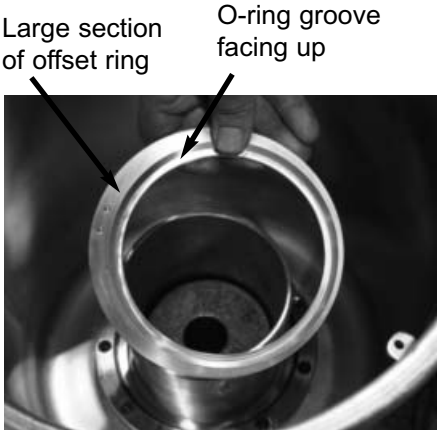
Step 5: Thoroughly clean the existing rim surface with a wire brush, then with a solvent such as lacquer thinner to ensure there is no oily residue on the rim. A bead of urethane sealant, placed on the underside cavity of the stainless steel liner, may be used to prevent groundwater from entering the existing containment.

Step 6: Install the new stainless steel bucket over the riser pipe, pushing it down completely, and rotating as required to ensure that it seats fully on the existing rim.



Step 7: Install small cross section o-ring in bottom of flange.



Step 8: Install the aluminum offset ring, with o-ring groove facing up. Align the large section of the ring with largest open area around the nipple as shown.

Step 9: Install large cross section o-ring over the nipple, seating it completely in the groove in the offset ring.

Step 10: Install the three split flanges using the nine supplied stainless steel bolts.

Step 11: Hand tighten all nine bolts, ensuring that the bucket is completely down and flat on the rim.

Step 12: Using a 9/16” socket, tighten each of the nine bolts to 15 ft. lbs. Pressure may need to be applied to ensure the liner does not shift while tightening bolts.

Step 13: Install adapter and cap per instructions included with each.

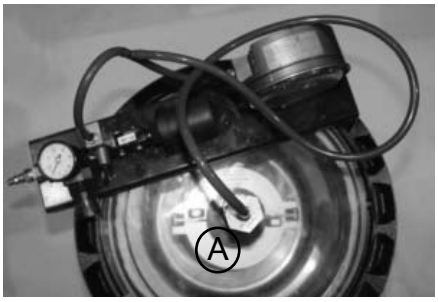
Step 14: **Testing** - Perform one of the following test procedures as specified by customer:

Integrity Test - perform per following procedure, with customer specified cap and adapter.

Hydrostatic Test - perform if specified per customer or local regulations. Perform per local guidelines.

Integrity Test Procedure

Equipment (not supplied)
Emco A1004-210TEST Vacuum Apparatus w/test adapter 494343
Emco 494833 Test Cover
Timer
Air supply



Procedure

1. Line top surface of stainless steel bucket with plumbers putty. (Heavy grease may be used, but may not work properly on rough surfaces.)
2. Place test cover over plumbers putty or heavy grease.
3. Insert brass plug from test unit into opening in test cover (A).
4. Attach air pressure source to air pressure regulator on vacuum apparatus.
5. Slowly apply vacuum of 30” water column (2.2” mercury) to the interstitial space, by moving the toggle switch. Wait 30 seconds. Reapply 30” water column.
6. Ensure switch is in off (center) position, start timer and record remaining vacuum after 1 minute.
7. If the remaining vacuum after 1 minute is 26” water column (1.9” mercury) or greater, the containment is tight.
8. If the test fails, determine if leak point is at test cover seal, cap or adapter, or base flange o-ring by spraying a soap solution to each area and watching for bubbles. Repair as required and retest.
9. Replace components.

Follow-Up Testing

If follow-up or annual retesting is required by local/state regulation, use the above procedure.

Tank Operator Responsibilities

Tank operator must ensure that all Federal, Provincial and local codes are being met during the filling of the tank.

All operators must be familiar with proper filling procedures.

The operator responsible for transferring product to an above ground storage tank must take all reasonable steps to prevent spillage.

The delivery hose from the tank’s fill pipe must not be disconnected before the hose has been drained completely.

When tank vehicles are being unloaded, the vehicle operators must remain
(a) in constant view of the transfer nozzle and fill pipe; and
(b) in constant attendance at the discharge control valve.

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