



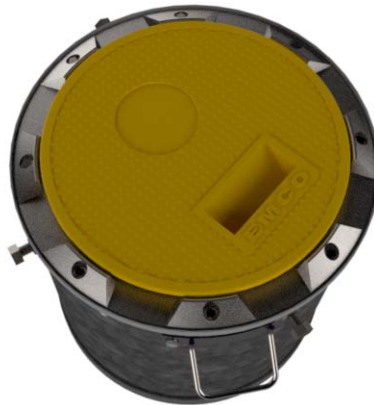
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Conversion Kit

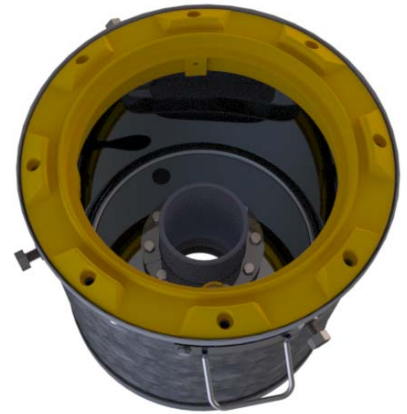
A1005-518GP to A1004EVR-317SS

Required Tools

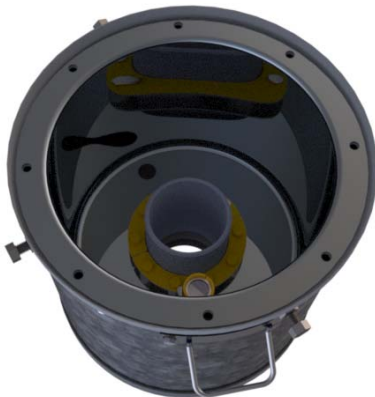
- Tape measure
- 9/16" wrench, socket
- 3/8" socket
- Emco Wheaton Z0838 Thread Sealant
- Emco Wheaton A0081-001 Adapter Wrench
- Emco Wheaton A0081-001L Adapter Lug Wrench



Step 1: Remove lid, cap, swivel adapter, and overfill prevention valve.



Step 2: Remove rim bolts and rim.



Step 3: Remove flange bolts, flanges, and O-ring.



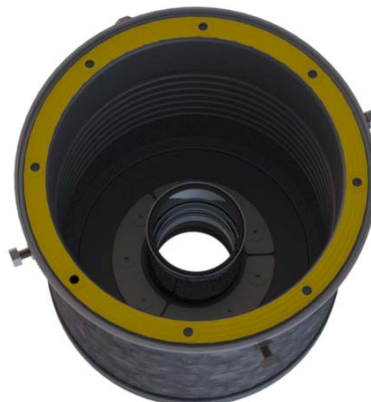
Step 4: Remove primary SST liner.



Step 5: Remove male flange adapter and flat gasket.



Step 6: Install female flange adapter.



Step 7: Install secondary flat gasket. Thread the 4 threaded studs in every other hole to assist with alignment during assembly.



Step 8: Insert primary assembly.



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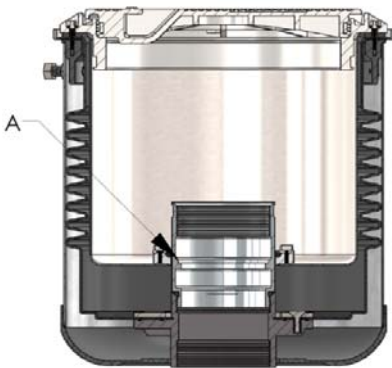
Step 11: Screw bolts in rim holes to secure primary rim, torque to 20 ft. lbs.



Step 12: Install O-ring, flanges, grounding clip, and bolts, torque to 15 ft. lbs.



Step 13: Install monitor tube EZ gage.



Step 14: Measure from tank bottom to 'A' (as shown), this will be dimension 'D'. Cut the top part of the drop tube, if needed, to make the total drop tube length equal to 'D' minus 6". Install a new collar 566679 as supplied.



Step 15: Insert overfill prevention valve and install riser seal.



Step 16: Install swivel adapter.

Note: The Emco riser seal is not compatible with the OPW 61SALP Fill Adapter.



Step 17: Install cap.



Step 18: Install lid.

Step 19: 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 - Many local regulators require a hydrostatic test. If required, perform per state or local requirements.

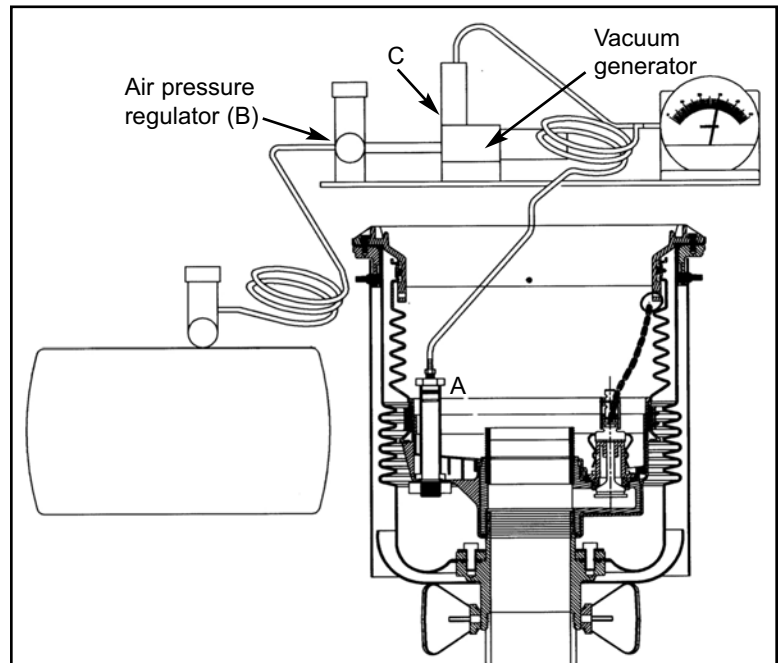
Vacuum integrity test for primary and secondary containments

Required Equipment:

- Emco A1004-210TEST, vacuum apparatus (includes test adapter 494343)
- Timer
- Air supply

Procedure

1. Remove the dipstick from the inspection port and install the test adapter, 494343 (A).
2. Attach air pressure source to air pressure regulator (B) on vacuum apparatus.
3. Slowly apply vacuum of 30" water column to the interstitial space, by moving the toggle switch (C). Wait 30 seconds. Reapply 30" water column.
4. Ensure switch is in off (center) position, start timer and record remaining vacuum after 1minute.
5. If the remaining vacuum after 1 minute is 26" water column or greater, both the primary and the secondary containment vessels are tight.
6. If the test fails, allow the bellows to equalize for one minute and repeat test, starting at step 3.
7. If test fails a second time, refer to Emco Wheaton Retail Test Procedures TP-160.
8. Replace components or repair as necessary.



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.