EMCO®
WHEATON RETAIL

A1004EVR

SPILL CONTAINMENT

MULTI-PORT APPLICATION

INSTALLATION INSTRUCTIONS

Permanent Identification:

Model #
Month/Year of Manufacture

Model Numbers	Description
A1004EVR-237	Multi-port 37”
A1004EVR-242	Multi-port 42”
A1004EVR-248	Multi-port 48”

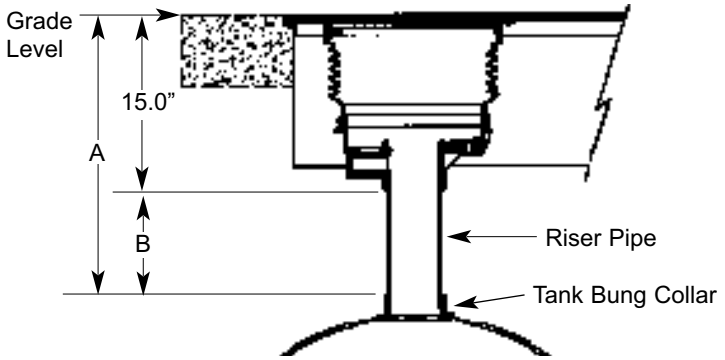
Required Service Tools:

- Tape Measure
- Ratchet
- 5/16" Socket
- 5/16" Allen Hex Driver
- Torque Wrench w/ 100 to 150 ft-lbs Setting
- Pipe Thread Sealant Compound
- Spill Containment Wrench p/n 494241
- Torque Wrench w/ 9 to 11 ft-lbs Setting

CAUTION:

1. Always barricade to keep pedestrians and vehicles from accessing the storage tank area during preventive maintenance and/ or compliance testing of the EMCO phase I EVR system.

Sizing the Riser Pipe



1. Find measurement A, the distance between grade level to the top of the tank bung collar.

IMPORTANT: The A1004EVR spill containment fill or vapor are 15.0 inches in height when the factory installed spacer bars are mounted in place.

2. Find measurement B, by subtracting the height of the A1004EVR spill containment fill or vapor from measurement A, then add 2.0 inches for the riser pipe threads.

3. After properly sizing the 4-inch diameter riser pipe, cut threads to either NPT or BSPT standards. Use a non-hardening, gasoline resistant pipe thread sealant compound, and fasten the 4-inch diameter riser pipe to the tank bung collar.

IMPORTANT: Do not use hacksaw to cut riser pipe.

Installation Example for A1004EVR Spill Containment

1. The tank burial is 36 inches from grade level to the top of the tank bung collar. Measurement A equals 36 inches.

2. The height of the **A1004EVR spill containment** fill or vapor is 15.0 inches. Subtract the height of 15.0 inches from measurement A, 36 inches, then add 2 inches for the riser pipe threads.

3. The required lengh for the 4-inch diameter riser pipe is measurement B, 23.0 inches.

A1004EVR Spill Containment Backfill and Concrete Finish

1. Complete the backfill over the tank and around the manhole skirting of the A1004EVR spill containment. Be sure the height of the backfill meets the depth requirements for the concrete pad.

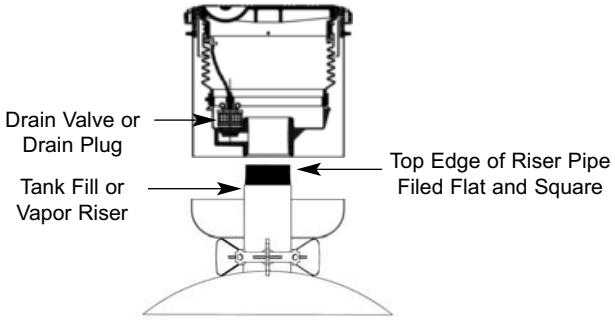
2. Concrete must completely fill around the A1004EVR spill containment manhole rim and skirting to insure proper anchoring.

3. Once the concrete sets remove all excess concrete from the top of the manhole rim and lid.

4. Clean and remove all debris from the inside of the A1004EVR spill containment.

5. Paint the A1004EVR spill containment rim and lid to the desired fuel grade color code.

Spill Containment to Riser Pipe



1. Before installing the A1004EVR spill containment fill or vapor, the top edge of the riser pipe must be filed flat and square to insure a proper sealing sur face between the riser pipe and base of the A1004EVR spill containment.

   IMPORTANT: The A1004EVR spill containment comes with a factory installed non-removal drain plug, and is CARB EVR approved for use on the tank fill or vapor risers.

2. Apply a non-hardening gasoline resistant pipe thread sealant compound to the threads of the riser pipe. Manually tighten the A1004EVR spill containment fill or vapor onto the riser pipe to avoid cross threading. Use the EMCO Spill Containment Wrench p/n A0081-001H to tighten and torque the A1004EVR spill containment fill or vapor between 100 and 150 ft-lbs.

3. Fasten the manhole lid to the manhole rim. Manually install the factory supplied 5/16 Allen hex bolts to avoid cross threading. Tighten and torque between 9 and 11 ft-lbs.

4. Fasten the A1004EVR spill containment fill and vapor to the bottom of the manhole. Manually install the factory supplied 5/16 Allen hex bolts to avoid cross threading. Tighten and torque between 9 ft and 11 ft-lbs.

5. Fasten the A1004EVR spill containment lid rims fill and vapor to the top of the manhole lid. Manually install the factory supplied 5/16 hex bolts to avoid cross threading. Tighten and torque between 9 ft and 11 ft-lbs.

Spill Containment with Overfill Prevention Valve or Straight Drop Tube, Riser Seal, Swivel Fill Adapter and Fill Adapter Cap

1. When installing the A1004EVR spill containment with an Emco Wheaton overfill prevention valve, please refer to the A1100EVR installation instructions.

2. When installing the A1004EVR spill containment with an Emco Wheaton straight drop tube, please refer to the A0020EVR and A0020EVRC installation instructions.

IMPORTANT: The fill riser installation will only allow for one type of EVR drop tube configuration.

3. When installing the A1004EVR spill containment with an Emco Wheaton riser seal, please refer to the 494096 installation instructions.

4. When installing the A1004EVR spill containment with an Emco Wheaton swivel fill adapter, please refer to the A0030-124S installation instructions.

5. When installing the A1004EVR spill containment with an Emco Wheaton fill adapter cap, please refer to the A0097-005 installation instrucions.

Spill Containment with Swivel Vapor Adapter and Vapor Adapter Cap

1. When installing the A1004EVR spill containment with an Emco Wheaton swivel vapor adapter, please refer to the A0076-124S installation instructions.

2. When installing the A1004EVR spill containment with an Emco Wheaton vapor adapter cap, please refer to the A0099-002, -003 installation instructions.

PREVENTIVE MAINTENANCE

1. Quarterly verify that the inside of the A1004EVR spill containment fill or vapor is free of all dirt, gravel, debris, etc. Should cleaning be required, wipe the inside wall and bottom of the A1004EVR spill containment bucket using soapy water and a disposable towel.

2. After each delivery, the station operator must remove any standing gasoline from the inside of the A1004EVR spill containment. If gasoline does not drain, refer to the #494118 drain valve preventive maintenance instructions.

IMPORTANT: During routine preventive maintenance all damaged components must be replaced with factory authorized service kits.

Service Repair Kits:

Description	Part Number
• 493806	Lid and Seal
• 494118	Drain Valve Kit

PERFORMANCE SPECIFICATIONS

This component was factory tested to, and met, the following specifications.

1. TP-201.1D - Complies with the allowable maximum leakrate of 0.17 CFH @ 2.00 inches of water.

IMPORTANT: Leave these <u>installation instructions, product warranty registration card</u> and the <u>warranty tag</u> with the station owner and/or operator.

IMPORTANT: 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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