



# 494118

## Drain Valve Kit

### A1004EVR Spill Containment Drain Valve Replacement

## INSTALLATION INSTRUCTIONS

### Packing List:

- (1) Drain Valve w/ Flat Gasket
- (1) Filter
- (2) Cotter Pins
- (1) Linkage and Pull Chain



### Permanent Identification:



Model #  
Month/Year of Manufacture

### Service Tools Required:

- EMCO Drain Wrench p/n 493820
- Socket Extension
- Torque Wrench w/ 13 to 15 ft-lbs. Setting
- Needle Nose Pliers
- 15/16" Socket
- Ratchet Wrench

### 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.
2. Remove standing fuel or water from the A1004EVR spill containment before attempting to service the drain valve. Be sure to comply with all local regulatory requirements.

**Pre-Inspection:**

1. Remove all kit parts from the shipping container and inspect for damage. Verify no parts are missing from the packing list before proceeding with the installation.

**Installation:**

**Removing the Existing Drain Valve**

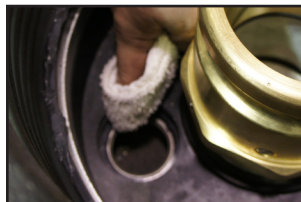


2. Begin by removing the lid from the A1004EVR spill containment and fill adapter cap. Use a pair of needle nose pliers to remove both cotter pins and disassemble the linkage from the top of the drain valve. Remove the drain valve pull chain from the top of the A1004EVR spill containment rim and discard.



3. Remove the filter from the top of the drain valve. Use the EMCO Drain Wrench p/n 493820 to unscrew the drain valve from the base of the A1004EVR spill containment.

**Installing the New Drain Valve**



4. Before attempting to install the new drain valve, thoroughly clean and remove all debris from around the drain path opening and sealing threads.



Flat Gasket

5. Screw the new drain valve by hand to avoid cross threading. Use the EMCO Drain Wrench p/n 493820 to tighten and torque between 13 to 15 ft-lbs.

**IMPORTANT: Do not use pipe thread sealant compound when installing the drain valve.**

6. Install the filter, linkage and cotter pins. Verify the new drain valve opens and closes when pulling and releasing the chain. Re-install the fill adapter cap and the A1004EVR spill containment lid.

## PREVENTIVE MAINTENANCE

1. Quarterly test the operation of the drain valve by pulling up on the chain located inside the A1004EVR spill containment.
2. If gasoline does not drain when actuating the drain valve perform steps (a) through (d). Refer below.
  - a) Remove the filter from the drain valve. Use a pair of needle nose pliers to remove both cotter pins and disassemble the linkage from the top of the drain valve. Soak the filter in soapy water and use high pressure air to clean and remove all debris. Replace the filter p/n 569131 only if the screen is damaged.
  - b) Use the EMCO Drain Wrench p/n 493820 to unscrew the drain valve from the base of the A1004EVR spill containment. Soak the drain valve in soapy water and use high pressure air to clean and remove all debris. Replace the flat gasket p/n 567108 before re-installing.
  - c) Re-install the drain valve by referring to installation steps 4 through 5. Verify the leak tightness integrity of the drain valve by performing ARB test procedure TP-201.1D.
  - d) If the drain valve fails to pass ARB test procedure TP-201.1D, replace with new by referring to installation steps 4 through 5.

## PERFORMANCE SPECIFICATIONS

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

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

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

### **Emco Wheaton Retail Corp.**

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