



Franklin Fueling Systems



EBW Phase I Equipment

Required Inspection & Maintenance

Spill Containers, Lids, and Drain Valves

All styles of spill containers are to be visually inspected by the delivery operator prior to each delivery occurrence. The following is an inspection check list to follow:

1. Inspect the spill containment bucket for visible tank damage & perforation to the tank wall. If any problems are observed, report them to the station operator.
2. Inspect the spill containment equipment for the presence of any liquids or excessive foreign materials (i.e. candy wrappers, rags, leaves, etc.) and report to the station operator if liquids are present; remove any garbage prior to coupling to the fill adapter.
3. Inspect the spill containment drain valve screen (if applicable) for any foreign material. If any is present, remove it if possible. Report clogged screens to the station operator.
4. Inspect the spill containment lids or covers. Any noticeable lid damage needs to be immediately brought to the station operator's attention. If water and/or fuels are observed in the spill containment, immediately notify appropriate station personnel that the tank needs service. The presence of water indicates that either a lid/cover is not sealing properly or the tank walls have been perforated. The presence of fuel may indicate a clogged drain valve screen.

EBW recommends that the station owner/operator inspect their spill containment equipment at least once a month. This inspection should consist of the items listed both above and below.

1. Clean any foreign materials (i.e. dirt, sand, stone, etc.) from the mating flanges for spill containment lids or covers. Any buildup of dirt will defeat the rainwater shedding provisions designed into the containment manhole lid/cover and will lead to premature structural failure of the lid.
2. Inspect the lid/cover seal (if applicable) for damage.

Recommended Spare Parts & Part Numbers

1. Replacement Drain Valve Kit - 705-337-19 ("pull to push" C.A.R.B. version). For other styles, please consult Technical Support.

Fills Caps, Vapor & Delivery Elbows, & Vapor & Fill Adapters

The working seals and mating hardware surfaces on these items are to be visually inspected by the delivery operator prior to each delivery occurrence. If visual seal wear or tear is observed, replace immediately. It is recommended that the station owner maintain a spare set of seals for the fill & vapor caps on site. It is recommended that the delivery service maintain a set of vapor and delivery elbow seals in the trailer equipment box. Damage to hardware sealing surfaces will generally require that the item be replaced in it's entirety. Should this be observed, the appropriate party needs to be informed so service can be promptly scheduled. It is recommended that station owner/operators inspect their tank fill and vapor connection hardware at least once a month.

Recommended Spare Parts & Part Numbers

C.A.R.B. - EVR Approved

1. Vapor Caps - Aluminum body seal.
2. Product Caps - Nylon body seal.

Not C.A.R.B. - EVR Approved

1. Vapor Caps - Nylon body seal or (Chevron lip style) aluminum body seal .
2. Product Caps - Nylon body seal Aluminum body seal.
3. EBW Product Elbow - 880-450/455 (pull release) body seal version (lever release) body seal version.
4. EBW Vapor Elbow - Body seal. These products are not readily accessible for daily, weekly and monthly inspections. Prior to product deliveries, drop tubes should be visually inspected for presence of a dipstick. Should a dipstick be left in a drop tube with an overfill valve, valve operation will be defeated. Leak integrity of these devices would be evaluated during your tank tightness test. Should a leak be observed, the leak path needs to be identified and addressed. In most cases, this leak may be due to a damaged static seal.

Station Maintenance Logs

EBW recommends that logs be maintained to record service and inspection frequency on all equipment. This is a good management tool that would identify suspect hardware if frequent repairs are logged.

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Required Inspection & Maintenance

Spill Containment Manholes

- Perform inspection and maintenance duties at least once a year.
- Remove any standing liquid and dispose of it properly.
- Brush all buildup off of the brass drain valve screen (if applicable).
- Remove all dirt and foreign materials.
- Scrape all foreign materials away from the tank lid sealing surfaces.
- Should it be necessary to replace a drain valve due to breakage or considerable contamination buildup, use EBW 705-337-19 Replacement Drain Valves only.
- Perform a leak test using the established “Pressure Integrity Test” for a combination of Drop Tube, Drain Valve, and Overfill Prevention Device (TP201.1D).
- Use 90079 Drop Tube Isolation Test Kit.

Rotatable Fill & Vapor Adapters, Dust Caps & Probe Riser Adapters

- Perform inspection and maintenance duties at least once a year.
- Inspect all product and vapor riser dust cap seals for damage. If damage is observed, replace the seal with either the Aluminum Vapor Cap Seal or the Nylon Product Cap Seal.
- Perform Rotatable Adapter maintenance as specified by Phil-Tite Enterprises, Inc. Perform established “Static Torque Test”, TP201.1B.
- Leak testing should be accomplished during the “Pressure Integrity Test” for a drain valve or Drop Tube Mounted Overfill Valve, TP201.1C or TP201.1D. Annual maintenance of the probe riser cap assemblies is normally not required. Whenever probe service is necessary, inspect the service cap seal for damage and replace it, if necessary, at that time with a Probe Riser Cap Seal.

Drop Tube Mounted Overfill Prevention Valves

- Perform inspection and maintenance duties at least once a year.
- Inspect the inside of drop tubes for broken dip sticks or noticeable damage to the valve flapper. If any damage is observed, then the valve must be replaced.
- If it has not already performed during drain valve testing, leak test the Drop Tube assembly using the established “Pressure Integrity Test” for Drop Tube/ Overfill Prevention Device (TP201.1C or TP201.1D).

EBW doesn't require that the drop tube be pulled for inspection unless damage is noted. Should local authority require removal of the drop tube, the following seals and inspection steps are necessary:

- Replace Drop Tube Isolation Gland (if applicable) seal kit-90090
- Replace Drop Tube Flange Gasket – 11182-01
- Inspect the Tank Bottom Protector for freedom of movement. Repair or replace if necessary.
- Inspect OPD components, use instructions on EBW from 6329.
- Inspect drop tube joint sealant. Repair with EBW part # 11372-01 only.

Ball Floats & Extractor Valve Bodies

- No annual maintenance is required.

Pressure Vacuum Vent Valves

- Perform the required maintenance as specified by Husky Corporation.

At least once every three years, unless otherwise specified by a local authority, perform the established “Static Pressure Performance Test” (TP201.3).

Please contact Technical Support if assistance is needed.



Franklin Fueling Systems

3760 Marsh Road

Madison, WI 53718, U.S.A.

Tel: +1 608 838 8786

Tel: USA & Canada 1 800 225 9787

Tel: Mexico 001 800 738 7610

www.franklinfueling.com