

# 118 Mechanical Level Gauge

## Installation & Maintenance Instructions



Failure to follow any or all of the warnings and instructions in this document could result in a hazardous liquid spill, which could result in property damage, environmental contamination, fire, explosion, serious injury or death.

### Installation

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#### WARNINGS

- **Fire Hazard**—Death or serious injury could result from spilled liquids.
- Any modification to this product other than stated in these installation instructions will void the product warranty.
- Install in accordance with all applicable local, state, and federal laws.
- For your safety, it is important to follow local, state, federal and/or OSHA rules that apply to working inside, above, or around the storage tank and piping area. Use all personal protective equipment required for working in the specific environment.
- Tanks could be under pressure. Vapors could be expelled from tank vents, piping, valves or fittings while performing installation. Vapors could catch fire or cause an explosion. **Avoid** sparks, open flame, or hot tools when working on tanks.

### Steps

1. Inspect the product thoroughly, prior to installation, to ensure the product is not damaged or defective. If replacing or adding a gauge, check to ensure the system is not under pressure or filled with product that could be spilled. When possible, tank should be empty during gauge installation.
2. Check the gauge to verify that the dial turns freely as the float is moved on the guide rail. This gauge only works with a 1-1/2" NPT female tank connection located on the top surface of the tank.
3. The gauge nominal length should be based on the tank inside dimensions. Select a gauge height that is closest to but does not exceed the internal tank height.
4. When possible, mount the gauge as far away from the fill port as possible to obtain to most accurate gauge level reading while refilling.
5. Install the gauge into the 1-1/2" NPT threaded female connection on the top of the tank by hand. Finish tightening the gauge, using a wrench across the tightening flats, until sufficiently secure. Verify that the O-ring seal has contacted the tank sealing surface. Care should be taken to not over-tighten the gauge or damage the Hex tightening flats.

## Maintenance

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Verify the gauge is properly installed. Visually inspect the gauge area for any signs of leakage. If the gauge is visibly damaged or leaks, replace immediately.



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- Tanks could be under pressure. Vapors could be expelled from tank vents, piping, valves or fittings while performing maintenance. Vapors could catch fire or cause an explosion. **Avoid** sparks, open flame, or hot tools when working on tanks and tank accessories.

**WARRANTY:** If you believe this product has a defect due to material or workmanship please contact Morrison Bros. Co., for a return authorization. All products are thoroughly tested before shipment and meet all applicable performance standards and specifications. Only material found to be defective in manufacture will be replaced or repaired at our discretion. Claims must be made within one year from the date of installation. Morrison Bros. Co., will not allow claims for labor or consequential damage resulting from purchase, installation, or misapplication of the product. The warranty registration information must be provided to the end user.