

7240 Overfill Indicator

Installation & Maintenance Instructions

The 7240 is a fully mechanical, visual overfill indicator for new and existing aboveground storage tanks. The unit can be set to accommodate a tank height between 6 inches and 4 feet by adjusting the cable length to the float device using a 7/64" hex driver. The unit attaches to a 2" female threaded pipe.



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



WARNINGS

- **Fire Hazard** – Death or serious injury could result from spilled liquids.
- Install only on shop fabricated atmospheric tanks built and tested in accordance to industry standards such as UL142, NFPA 30 & 30A, and API 650.
- Install in accordance with all applicable local, state, and federal laws.
- 7240 Overfill Indicator must be properly sized and selected for each specific tank application.
- 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 vents.

Steps

1. Verify contents of box. You should have received: installation instructions, indicator, and a float with cable. Inspect overfill indicator for shipping damage. Make sure indicator rod moves freely in body. Do not use if damage is found.
2. Check openings for foreign matter such as packaging material. Remove any that is found.
 - **CAUTION:** Riser pipe and bung opening must be free of burrs. Sharp edges may damage cable.
3. To determine approximate cable set point; determine desired overfill fluid level height from top of riser pipe or bung.
 - Use a measuring tape to double check pipe depth and ensure it is free of existing debris.
4. Measure from bottom of float and mark the location on cable.
5. Measure 17/16" down from location in step #4 and place a mark on cable. (This will be the approximate set point.)
6. Loosen set screw at the bottom of 7240 rod and then slide cable through the perpendicular hole in the rod till you reach the marked set point from step #5 and loop through once more.
7. Gently tighten set screw and dry fit assembly into pipe and ensure red indicator is at equal or slightly below level with top of blue band on glass.
8. Remove assembly and make any needed adjustments.
9. Tighten the cable set screw securely once the cable is the correct length. **CAUTION:** Failure to tighten the cable set screw securely could result in the float and cable set screw falling into the tank and the overfill alarm not working.
10. Trim the excess cable no less than one foot from the cable clamp. This will provide extra cable if future adjustment is necessary. The extra cable may hang down in the tank. This will not affect the operation of the unit.
11. Slide the float unit down through the riser pipe.
12. Apply pipe sealant and secure the indicator unit to the riser pipe. (Note: When attaching the indicator unit to the riser pipe, make sure no thread sealant contaminates the rod.)
13. Hand tighten overfill indicator on to riser pipe and ensure red indicator is below blue band. **WARNING: DO NOT TIGHTEN USING GLASS.** Using a wrench, finish securing overfill indicator.
14. With indicator in place, the red should not show above the blue.



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Maintenance

Monthly inspection, and immediate inspection during freezing conditions, by someone familiar with the proper operation of the storage tank.



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Steps

1. Carefully remove indicator unit from the riser pipe.
2. Move cable up and down to make sure the rod moves freely.

During maintenance procedure inspect all indicator components and surfaces for damage, corrosion or excessive wear. If any is found, replace the unit.



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