

Morrison 4" Fig. No. 305 Series Tank Monitoring Cap & Adaptor

INSTALLATION, MAINTENANCE AND OPERATING INSTRUCTIONS

INSTALLATION:

Adaptor:

1. Apply a fuel resistant, non-hardening, anti-seize sealant (non adhesive) to body threads. Morrison recommends thread sealant rather than Teflon® tape.
2. Make sure the end of riser pipe is not sharp or it may cut and damage body gasket. File end of riser pipe smooth before installing riser pipe into tank to prevent filings entering tank.
3. Thread adaptor on to riser pipe until handtight then tighten per one of the following specifications.

Wrench Makeup Specifications

SIZE	Wrench Makeup* (Number of Turns)
4" NPT Threads	2.12

* - All sizes should have handtight engagement before Wrench Makeup is applied.

A tolerance of plus or minus one turn is allowed. This information is to be used as guide only. The number of turns may vary depending on the quality of thread form.

Torque Specifications

SIZE	Torque
4" NPT Threads	23-26 ft-lb

* - No special tools required. Torque value could be verified by offset chain wrench and torque wrench. The Torque Specification method is required rather than Wrench Makeup Specification method for components installed in California..



- Cap:
1. Apply a fuel resistant, non-hardening, anti-seize sealant (non-adhesive) to cable connector threads. Follow manufacturer's instructions for installation of monitoring system.
 2. Set cap on adaptor. Push down lever arms securing cap to the adaptor.

Failure to follow any or all of the warnings may render the cap and adaptor nonfunctional and could result in a hazardous product spill, which may result in property damage, environmental contamination, fire, explosion, injury or death.

WARNINGS

- **Fire Hazard** - Death or serious injury could result from spilled liquids. Any modification to this cap and adaptor 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 valves.

MAINTENANCE: Ensure product is properly installed. Visually inspect both cap and adaptor on a regular basis, or at least once a year to ensure the product is not worn or damaged to affect the functionality of the parts. Also ensure the gaskets on the cap and adaptor are present and sealing adequately. Wipe seals clean of any dirt or particles if necessary.

WARNING: Tank may be under pressure. Vapors may be expelled out from the port opening as the cap is removed. Grip cap firmly as it is removed from the adaptor.

OPERATING INSTRUCTIONS: Pull up on cap ring to remove cap. Push down on lever arms to seal cap.

If you need any further information on applications, special configurations, approvals, etc. please consult Morrison's catalog, contact Morrison, or visit our website at www.morbros.com.

WARRANTY: If you believe this vent has a defect due to material or workmanship, please contact Morrison 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, and 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.



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