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Remedy Instructions

Date: February 2024

Product Group: ASME LP Tanks

Model: 10.75x31" 10.3 gallon remote fill ASME LP Tank

Model: 8x31" 5.9 gallon remote fill ASME LP Tanks

Manufacturer Name: Industria Gutierrez, S.A. de CV (INGUSA)

Valve Manufacturer Name: Grand Gas Co, Taiwan

Manufacture Year: 2023

Serial Number Range:

10.75x31" U-199923 – U-200122

8x31" U-188979 to U-189178; U-189179 to U-189378; U-189379 to U-189618

U-189923 to U-190231; U-190232 to U-190331; U-190332 to U-190562



Subject: Liquid level remote fill gauge has potential to leak in the OPEN position.

This bulletin provides information on diagnosing and/or repairing the potential of the liquid level gauge during initial air test of the LP Tank.

Observation:

After purging according to NPGA #133-89(a) and during the filling process, the liquid level gauge will be in the open position. Initially, the compressed air in the tank will exit through the intended outlet, followed by excess LP vapor. When the tank is full, the liquid level gauge in normal installations in closed. There are no observed instances in the closed position.

In some instances, LP vapor has been witnessed around the stem of the liquid level gauge when in the open position.

Identification: Subject liquid level gauges will have part number 11045B stamped on the side, with a discharge hole in the hand wheel manufactured by Grand Gas.

Replacements: Grand Gas Model 11045B with no hole in the hand wheel, or Cavagna Model 66-1377 with hand wheel in shape of a triangle shown below – Gauges are available for replacement.



WARNING

Fuel vapors are flammable. Death or serious injury can result if they are ignited. Make sure there are no open flames or smoking in the area of the repair. Adequate ventilation is necessary to prevent a build-up of fumes which could ignite, causing fire or explosion.

Diagnosis

1. Using information on the tank's data plate, confirm the capacity, dimensions, manufacturer, and serial number range.
2. Check the part number on the installed liquid level gauge – insure it is marked as 11045B and an outlet hole on the hand wheel.
3. Prior to first fill, qualifying tanks should be pressurized with a minimum of 100 PSI of air prior to filling to perform leak test in indicated area around the valve stem.
2. Open the liquid level gauge to the open position and spray the liquid level with soapy water. Insure no leaks.

Replacement

1. If diagnosis reveals leakage in the open position, empty air from tank.
2. Remove old liquid level gauge
3. Replacement gauges should be doped with PTFE tape prior to installation.
4. Apply SAE cap to close side outlet, or, reattach the SAE fitting connected to outlet hose but insure external liquid level gauge is closed.
5. Fill to at least 100 psi of compressed air.
6. Open the tanks liquid level gauge.
7. Perform leak check to insure repair is complete.
8. Ensure to properly purge all compressed air from the LPG Tank.
9. Fill with LP and perform additional leak test as required before putting into service.