

MGM MODEL 275 MAGNETIC GAUGING DEVICE

OPERATING INSTRUCTIONS

Carefully loosen & remove top housing (#12) from gauging device.

CAUTION: If gas or liquid escapes from vent holes as housing is loosened, immediately screw housing back on and report as defective.

Gently pull up gauge rod (#10) until magnetic coupling between gauge rod magnet and magnet inside float (#1) is felt.

Read gauge rod scale marking across top of white Teflon specific gravity bushing (#7) located at top of body (#5).

***** If gauging device has MGM's color coded/Multi-Product Level Indicator (MPLI) (PATENT PENDING), see additional operating instructions below.**

When appropriate, proceed to load tank car according to your company's policies.

When gauging operation is complete, gently push gauge rod (#10) down into guide tube (#3) and replace top housing (#12). Housing should be hand tightened (do not wrench) and final position of vent holes should be located below o-ring on gauge body (#5).

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******* In 2003, MGM introduced a unique Multi-Product Level Indicator/S.G. bushing (**PATENT PENDING**) as an accessory device for the model 275 magnetic gauging device. The MPLI is an easy-to read, color-coded bushing used to visually indicate the product level of several different specific gravity commodities in a tank car without the need for DUAL or TRIPLE scale markings on gauge rods and without the need for other "adjustable" bushings. The MPLI makes it easier for loading personnel to read & record the proper level information when loading tank cars.

Commencing mid-year 2003, all new MGM model 275 gauging devices are supplied with the MPLI as a STANDARD component. The MPLI is also available as an upgrade to existing MGM model 275 magnetic gauging devices (MGM ONLY). Please contact MGM Tank Car for details.

When the MPLI is supplied as an upgrade to an existing model 275 magnetic gauging device, some of the pre-existing components (gauge rod & cap) need to be changed to accommodate the slightly increased height of the assembly. (NOTE: For MPLI upgrades, remove the old cap, gauge rod & bushing and replace with the new components before proceeding with operational instructions below).

OPERATING INTRUCTIONS FOR MPLI:

- a.) Each section (up to four) of the MPLI is custom color-coded & marked to visually indicate the different level indications that occur when varying specific gravity (S.G.) commodities are loaded in a tank car. Please note the specific colors and markings included on your gauge's MPLI.
- b.) Match the specific colored section of the MPLI that corresponds with your company's information for the exact commodity being loaded in your tank car. If you have any questions, contact your company's management for additional instructions.
- c.) Read and record the proper level marking on the gauge rod (across the colored section of the MPLI as noted above).