

# IMPORTANT!!

Included with your unit is an Installation/Operation Manual, which should reside with the owner of the unit after installation.

## WARNING

The following Installation and Maintenance Instructions are excerpts from the Installation/Operation manual. Before installing, servicing, or performing maintenance on your unit:

- Read and understand the Warnings and Safeguards at the front of the Installation/Operation Manual
- Read and understand the contents of the Installation/Operation Manual

## INSTALLATION INSTRUCTIONS

Use only UL-listed gasoline-resistant compound on all joints of gasoline handling piping. Sealing compound must also be resistant to Ethanol and Methanol blends. Use compound on male threads only to prevent entry into the supply line and possible pump or meter damage. Do not use Teflon pipe sealing tape. If water is used as tank ballast during installation, it must be removed or damage will result to both pumping and measuring units and their performance, accuracy, or service will not be warranted. Do not use Gasboy International fuel dispensing equipment to remove water ballast.

Refer to the *Installation/Operation Manual* for wiring instructions specific to your dispenser. All electrical connections shall be made with threaded, rigid, metal conduit, sealing fittings and conductor seals. The power supplied to the pump must correspond to the electrical rating of your unit. Since suction pump motors may be operated at 115VAC ("low") or 230VAC ("high"), ensure that the indicator plate on end of the motor is set appropriately.

We recommend this unit be tested and if necessary, calibrated for measurement upon completion of installation. Where required, it is the owner's responsibility to report this device to

the local Weights and Measures officials for their inspection before the unit is put into service.

### Calibration

To calibrate units with a Tokheim meter, break the seal pin wire and remove the seal pin. This will allow the index disk to be turned. Five holes represent one cubic inch (16.387 ml) measurement per five gallons (18.925 L). To decrease measurement, turn the index disk counterclockwise. To increase measurement, turn index disk clockwise.

To calibrate units with the Gilbarco meter (Q units), remove the locking pin to allow adjustment. Each hole represents 2/3 cubic inch per 5 gallons (18.925L). The meter can be adjusted by 2/3 cubic inch by moving the calibrator one full hole or 1/3 cubic inch by moving the wheel half the distance between holes. Turn the wheel clockwise to decrease product flow, counterclockwise to increase flow.

To calibrate units with an LC meter (super speed ..50 models), loosen the clamp on the adjuster. The adjuster graduations represent percent error (1%, .1%, .02%). Decrease the amount delivered by turning the thimble IN on the barrel, increase by turning OUT (unscrew). Always make the final adjustment by turning the thimble IN. Retighten clamp when complete.

## MAINTENANCE

- Read the Warnings and Safeguards at the front of the Installation/Operation manual prior to installing, servicing, or performing maintenance on your unit.
- Always turn off all AC power before servicing your unit. In remote dispenser applications, turn off and lock out power to the submersible pump and other dispensers using the same submersible. AC power can feed back into a shut-off dispenser when remote dispensers share a common submersible pump or starter relay.
- Always wear protective safety goggles or glasses when performing maintenance using compressed air.

**Cleaning stainless steel:** Use nonabrasive chrome polish. Do not use steel wool; iron particles may adhere to surface causing corrosion. Clean in the direction of (never across) the polishing lines in the steel. Protect with a coat of paste wax.

**Cleaning painted surfaces:** Use a high grade automobile polish and protect with a coat of paste wax.

**Cleaning Plexiglas and Fiberglass:** Use soft cloth with mild detergent and water. Avoid abrasives and aromatic petroleum spirits.

**Non-computer:** Remove non-computer from the pump. Clean with compressed air and wipe all accessible parts with a clean cloth. Do not use solvents, gasoline or kerosene. Using a long handled, fine brush, apply a light, non-acid type oil (SAE 10) to all bearings and shafts. Apply light grease to the bevel type gears.

**Filter:** If unit is equipped with filter, check and change it at regular intervals.

**Strainer:** Clean after first few hundred gallons have been delivered, then every six months. Close 10RU safety shut-off valves under each pump. Remove the strainer cap on the pumping unit (pumps) or the strainer casting (dispensers), remove the strainer, and use compressed air to blow the dirt out of the strainer.

**Tokheim Pump:** Lubricate every six months or 100,000 gallons. Apply a few drops of a light grade oil (SAE 10) to the felt pad located on the pump body slightly above the shaft which connects to the pump pulley.

**Tokheim Meter:** If the meter begins to leak around the drive shaft extending from the top of the meter unit, replace the Teflon seals. Remove the outer packing gland plate and the upper bearing assembly and carefully replace the new seals (reddish brown and black) and the O-ring into the packing cavity of the meter cover.