

Issue Date: April 15, 2022

## Franklin Fueling Systems

### EVO 600 and EVO 6000 with FMP-LL3 Magnetostrictive Probe

#### CONTINUOUS IN-TANK LEAK DETECTION METHOD (CONTINUOUS AUTOMATIC TANK GAUGING)

<b>Certification:</b>	Leak rate of 0.1 gph with PD = 95.6% and PFA = 4.4%.
<b>Leak Threshold</b>	0.05 gph A tank system should not be declared tight if the test results indicate a loss or gain that exceeds this threshold. A message printed for the operator if this threshold is exceeded.
<b>Applicability</b>	Gasoline, diesel, and aviation fuel. <b>California Code of Regulations require a written statement of compatibility for systems containing products other than those used in this evaluation.</b>
<b>Tank Capacity</b>	<b>Maximum of 20,650 gallons.</b> Tank must be at least 14% full.
<b>Waiting Time</b>	6 hours 4 minutes
<b>Test Period</b>	Data collection time is between 3 hours 13 minutes and 6 hours. Average collection time is 4 hours 17 minutes. Maximum test time is 12 hours 4 minutes. Data sampling frequency is at least once per minute.
<b>Temperature</b>	Average for product is determined by a minimum of 5 thermistors.
<b>Water Sensor</b>	Must be used to detect water ingress. Minimum detectable water level in the tank is 0.940 inch. Minimum detectable change in water level is 0.012 inch.
<b>Calibration</b>	Thermistors and probe must be checked and, if necessary, calibrated in accordance with manufacturer's instructions.
<b>Comments</b>	System reports a result of "pass" or "fail". Tests only the portion of the tank containing product. As product level is lowered, the leak rate in a leaking tank decreases (due to lower head pressure). Consistent testing at low levels could allow a leak to remain undetected. EPA leak detection regulations require testing of the portion of the tank system which routinely contains product.

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