

VacuTect™ Tank Testing System



CERTIFICATIONS

- B.A.S.E.E.F.A. approval (Intrinsic Safety Standard Eex ia IIC T4) (Certificate No. Ex91C2432X/1 for electric and electronic equipment used in hazardous zones.
- Independently evaluated by the American Midwest Research Institute to confirm that it meets the stringent US Environmental Protection Agency (EPA) performance standards required for tank testing methods.
- Independently evaluated in the UK by ERA Technology Limited to confirm that the test equipment and system meets all known UK regulatory, safety, and performance standards.
- CSA of Canada Approval for Intrinsic Safety CA/CSA/05/TR227716-1612344 for Tanknology VacuTect™ Tank Test Probe Model CTM100118.
- TestSafe Australia Certification for Explosion-Protected Electrical Equipment, Certificate No.: ANZEx 05.3015R for Tanknology VacuTect™ Tank Test Probe Model CTM100118. STANDARDS: IEC

Number One in the World

The VacuTect™ system has the capability of testing the wet and dry part of the tank in one single test. It is certified to test tanks at virtually any product level, including empty, and provide a conclusive result without the need for a retest. It works by introducing a vacuum into the tank to create a slight negative pressure, so that any leak is shown by ingress of air or water. A leak below the tank fluid level generates a unique “bubble” signature that is transmitted by the probe to the mobile unit. Leaks above the fluid level produce a distinctive hissing sound. All signals are recorded and can be stored for documentation purposes.



Advantages

- Performs most tank tests in 60 minutes with no disruption in customer fuel pumping services from other tanks. (Total on-site time will vary, depending on specific site set-up, line testing, rig down, and paperwork.)
- Capability to test two tanks simultaneously. Four tanks can be tested in approximately two hours.
- Powered by an explosion-proof motor with automatic shut-off safeguard and emergency shut-off button.
- No fluids are released during testing – an environmental concern, especially with hazardous materials.
- Certified to test tanks up to 75,000 gallons (283,500 liters) at any product level, including empty, if total ullage volume does not exceed 20,000 gallons (75,708 liters).
- Results are attained through a self-calibrating system automatically controlled by proprietary software run on a laptop.
- Tank down-times are reduced as there is no need for product removal, water filling. Variables associated with vapor pockets, temperature, pressure, vibration and tank calibration accuracy do not affect the VacuTect™ process.
- The vacuum method is more environmentally acceptable as it does not contribute to the loss of fuel through a leak.

To learn more about VacuTect™, call us at 1-512-380-7129 or email us at international@tanknology.com.



Environmental Compliance for Petroleum Systems