

# VacuTect® Vacuum-Acoustic Tank Tightness Testing System

Tanknology®'s **VacuTect** system has the capability of testing the wet and dry part of Underground Storage Tanks (USTs) in one single test. It is certified to test at any product level, including empty, and provide a conclusive result without the need for a retest.

## How It Works

**VacuTect** introduces 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 digitally recorded and can be transferred to Tanknology's headquarters for further review and stored for documentation purposes.

The system is 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 (75,700 liters).



## Advantages

- Capable of testing two tanks simultaneously.
- Four tanks can be tested in approximately four hours.

- Tank down-times are reduced as there is no need for product removal or acclimation waiting period.
- Lowest negative pressure is applied, submitting tank to minimal stress.
- System is not affected by ground vibration or temperature variations.

## Certifications

- B.A.S.E.E.F.A. approval (Intrinsic Safety Standard Eex ia IIC T4) (Certificate No. - Ex91C2432X/1).
- Independently evaluated by Ken Wilcox Associates to confirm that it meets the stringent US Environmental Protection Agency (EPA) performance standards required for tank testing methods.
- 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.

**To learn more about VacuTect call us at +1-512-380-7129 or email us at [international@tanknology.com](mailto:international@tanknology.com).**



## Benefits *at a Glance*

### Fast and Accurate

VacuTect performs most tank tests in 120 minutes with no disruption of other tanks. Probability of leak detection is 100%.

### Safe

Powered by an explosion-proof motor with automatic shut-off safeguard and emergency shut-off button. Low voltage powered probe design.

### Environmentally Friendly

No positive pressure is applied for testing, diminishing the risk of a hazardous spill.

### Operator Independent

Results are attained through a self-calibrating system automatically controlled by proprietary software run on a laptop.



*Environmental Compliance for Petroleum Systems*