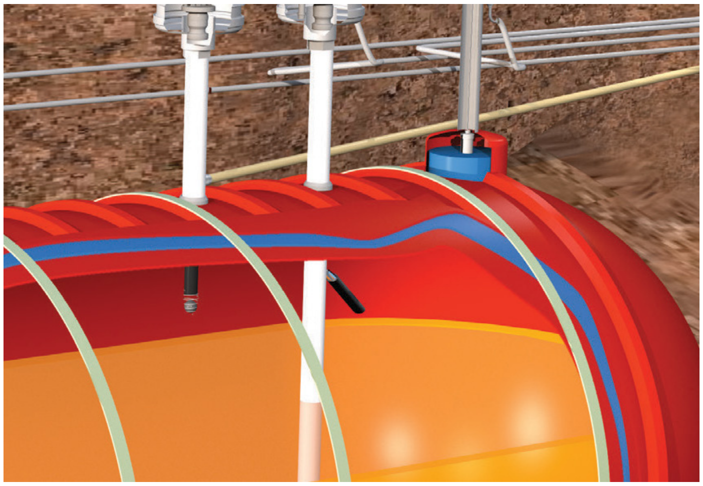
XERXES®

Truchek® Hydrostatic Monitoring System



Choose Truchek for active continuous monitoring

In keeping with Xerxes' long track record of innovation, Truchek's successful leak-detection performance is based on use in thousands of tanks. Whether or not continuous monitoring is required, this proven technology is effective in any fuel tank installation.

Dual benefits for tank owners

- Continuous hydrostatic monitoring for regulatory compliance
- Tank-tightness testing (third-party verified)

True continuous hydrostatic monitoring

- 24/7 leak detection for both primary and secondary tank walls
- Monitors in both dry-hole and wet-hole conditions

Patented system meets changing requirements

- Provides continuous monitoring of a double-wall tank
- Avoids the expensive periodic testing of the tank's interstice that can be required with passive monitoring

Drawbacks of passive monitoring

- Liquid-sensing probe in a dry interstice has limited options
- Primary-tank wall can only be monitored if the probe is in the proper position
- Secondary containment has no effective monitoring unless the tank is sitting in groundwater (an uncommon condition)
- Secondary-containment failure is only known if a primary-tank leak occurs

Key Features

Listed with the **National Work Group** on **Leak Detection Evaluations**

Two levels of tank-tightness **testing**

30+ years proven monitoring technology in North America

Ensures compliance with regulatory requirements for continuous monitoring

100,000+ installations of double-wall fiberglass tanks with hydrostatic monitoring

Truchek® Hydrostatic Monitoring System

Tank-tightness testing

Truchek provides two simple test options based on industry-accepted test criteria:

- Verified by UL as meeting EPA and NFPA 329 criteria
- Verified by the National Work Group on Leak Detection Evaluations (NWGLDE) as compliant with acceptable test protocols

10-hour test procedure (with tank not in use)

Truchek meets the strict NFPA 329 criteria and is capable of detecting liquid loss in the tank:

- At a rate of 0.05 U.S. gallons per hour
- With a 99% probability of detection (PD)
- With a 1% probability of false alarm (PFA)

4-hour test procedure (with product dispensing)

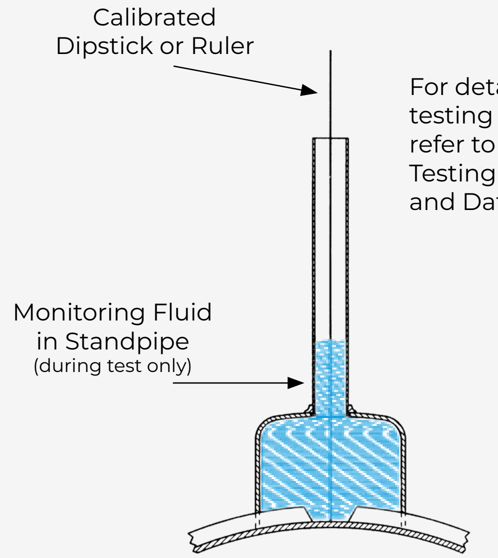
Truchek exceeds EPA's tank-tightness test criteria and is capable of detecting liquid loss in the tank:

- At a rate of 0.05 U.S. gallons per hour
- With a 95% probability of detection (PD)
- With a 5% probability of false alarm (PFA)

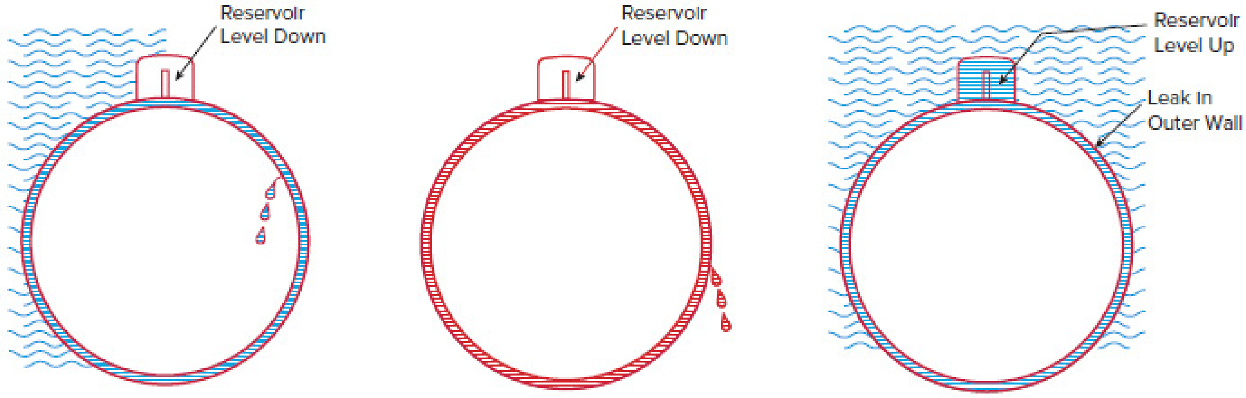
How Truchek works

The interstice is factory-filled with a brine solution:

- This creates a small hydrostatic pressure on both tank walls
- The brine solution level is monitored within a reservoir on top of the tank
- Any change in level — either up or down — is monitored and alarmed



For detailed Truchek testing instructions, refer to Truchek® Testing Instructions and Data Log.



PRIMARY-TANK LEAK IN WET HOLE OR DRY HOLE

SECONDARY-TANK LEAK IN DRY HOLE

SECONDARY-TANK LEAK IN WET HOLE

For over 45 years, Xerxes has designed and manufactured fiberglass underground storage tanks for fuel, water and wastewater. Xerxes' most recent expansion is its HydroChain™ stormwater product line — highly engineered products with site-specific designs for stormwater management solutions. Xerxes is a key brand of Mattr, a global materials technology company serving critical infrastructure markets.

FTRU0425 | xerxes.com | **fuelsales@mattr.com**

XERXES®