

2" Phase Separation Float

Detecting Phase Separation in Ethanol Blends

Why the 2" Phase Separation Float?

The 2" Phase Separation Float, a single float system, utilizes precision float weight technology to determine water or phase separation condition. This 2" float configuration indicates phase separation in ethanol blended gasoline applications. Additionally, it can also be used in ethanol-free gasoline applications for water detection. The density of phase separation is lower than water, and thus traditional water floats will not reliably detect phase separation. The 2" Phase Separation Float interacts with multiple densities to detect water and phase separation, making sure your fueling system is always protected.



Product Float



Phase Separation Float

▶ FEATURES & BENEFITS

- **Provides early detection** – Provides you with the earliest detection of phase separation available and continuous monitoring to your Automatic Tank Gauge (ATG)
- **Handles multiple densities** – Float detects both water and phase separation
- **Delivers alarms and alerts** – Provides continuous monitoring of in-tank phase separation and delivers alarms to your Veeder-Root ATG
- **Improves minimum water detection** – Detects water in any gasoline storage tank containing up to 20% ethanol (E20)
- **Offers simple replacement** – The Phase Separation Float Kit replaces the traditional gasoline float kit

▶ PRODUCT SPECIFICATIONS

Requirement	Details
Fuel Compatibility	All gasoline blends up to E20
Probe Compatibility	MAG Plus Probes (Series 8463); Not compatible with Standard MAG Probes
Console Compatibility	TLS-450PLUS and TLS4 Series
Console Programming	Device / Probe / Float / 2" Phase Separation
Minimum Fuel Detection	7.0" (17.78cm)
Minimum Water Detection	0.86" (2.18cm)
Accuracy in Water	±0.50" (±1.27cm)
Accuracy in Phase Separation	±0.75" (±1.91cm)
Minimum Tank Opening	2" (5.08cm)
Software Version	Version 9.W or higher for TLS-450PLUS/ TLS4 Series
Operating Temperature	+23°F (-5°C) to +113°F (+45°C)
Storage Temperature	-40°F (-40°C) to +122°F (+50°C)

Refer to Phase Separation Float Systems Brochure (576047-165) for more information.

▶ ORDERING INFORMATION



Part Number	Description	Certification
0886102-100	2" Phase Separation Water Detector Float Kit with 5' (1.52m) Cable	UL