

Magnetostrictive Probes for Alternative Fluids

Certified performance for inventory control and in-tank leak detection in fuel blends up to 100% alcohol

Veeder-Root offers two types of Magnetostrictive Probes for Alternative Fluids to provide highly accurate, trouble-free in-tank leak detection and inventory control in fluids of up to 100% alcohol. The Magnetostrictive Probe for Alternative Fluids with water detection is ideal for fuel blends with less than 20% alcohol. The Magnetostrictive Probe for Alternative Fluids without water detection has been developed for fluids up to 100% alcohol.

Series 8463 0.1 GPH Mag Probe for Alternative Fluids

The 0.1 GPH Mag Probe for Alternative Fluids has been third-party tested and certified to perform far better than the U.S. E.P.A. standards for both 0.1 GPH volumetric tank tightness testing and 0.2 GPH automatic tank gauging. (See the summary of leak test performance on back or call us for a copy of the complete test results.)

0.1 GPH Mag Probe and CSLD — Leak detection without shutting down your tanks!

CSLD, Continuous Statistical Leak Detection, is an advanced tank testing technology that makes full use of the TLS-300 and TLS-350(R)'s in-tank monitoring capabilities. CSLD eliminates the need for tank shutdown to perform a leak test — no lost business, no lost operating time!

The TLS-300 and TLS-350(R) equipped with CSLD use the 0.1 GPH Mag Probe to continuously monitor fuel height and temperature information to detect idle times in the tank. During each idle time, data collected forms a highly accurate leak detection database. Sophisticated statistical analysis techniques in CSLD constantly evaluate the database to discard invalid data and perform leak tests based on only high-quality information in the current database. In fact, a new leak test is performed every time new data from an idle period is added.

Series 8463 0.2 GPH Mag Probe for Alternative Fluids

The 0.2 GPH Mag Probe for Alternative Fluids provides the same reliable inventory control features and fluid compatibility as the 0.1 GPH Mag Probe for Alternative Fluids, but offers 0.2 GPH leak detection at a lower cost.

The 0.2 GPH Mag Probe for Alternative Fluids has also been third-party tested and certified to exceed U.S. E.P.A. standards for 0.2 GPH automatic tank gauging. (See the summary of leak test performance on back or call us for a copy of the complete test results.)

Approved for Aboveground Tank Applications

Veeder-Root Magnetostrictive Probes are approved for use in aboveground storage tanks to monitor fuel inventory. An AST installation Kit (Form Number 312020-984) is required for these applications and is available from Veeder-Root, Customer Service 800-873-3313 or your authorized Veeder-Root distributor.

Features & Benefits

- Non-corrosive, stainless steel tubing for long-life monitoring in fuels up to 100% alcohol
- Highly accurate Magnetostrictive measurement technology
- Fast accurate leak tests
- 0.1 GPH Mag Probe for Alternative Fluids is third-party certified to exceed U.S. E.P.A. performance standards for 0.1 GPH Volumetric Tank Tightness Testing
- 0.1 GPH Mag Probe for Alternative Fluids is compatible with TLS-300 and TLS-350R with CSLD for continuous statistical leak detection
- 0.2 GPH Mag Probe for Alternative Fluids is third-party certified to exceed U.S. E.P.A. performance standards for 0.2 GPH Automatic Tank Gauging
- 2", 3" and 4" Float Kits available

Magnetostrictive Probes for Alternative Fluids are available in 0.1 GPH and 0.2 GPH Versions



Probe Models

| Tank I.D. | Mag Plus Probes for Alternative Fluids with Water Detection Part No* | | | Mag Plus Probes for Alternative Fluids without Water Detection Part No* | | |
|---------------|--|------------------------|----------------|---|------------------------|----------------|
| | 0.1 GPH Leak Detection | 0.2 GPH Leak Detection | Inventory Only | 0.1 GPH Leak Detection | 0.2 GPH Leak Detection | Inventory Only |
| 4' | 846391-101 | 846391-201 | 846391-301 | 846391-401 | 846391-501 | 846391-601 |
| 5' | 846391-102 | 846391-202 | 846391-302 | 846391-402 | 846391-502 | 846391-602 |
| 5'4" | 846391-103 | 846391-203 | 846391-303 | 846391-403 | 846391-503 | 846391-603 |
| 6' | 846391-104 | 846391-204 | 846391-304 | 846391-404 | 846391-504 | 846391-604 |
| 7' | 846391-105 | 846391-205 | 846391-305 | 846391-405 | 846391-505 | 846391-605 |
| 7'6" | 846391-106 | 846391-206 | 846391-306 | 846391-406 | 846391-506 | 846391-606 |
| 8' | 846391-107 | 846391-207 | 846391-307 | 846391-407 | 846391-507 | 846391-607 |
| 9' | 846391-108 | 846391-208 | 846391-308 | 846391-408 | 846391-508 | 846391-608 |
| 9'6" | 846391-117 | 846391-217 | 846391-317 | 846391-417 | 846391-517 | 846391-617 |
| 10' | 846391-109 | 846391-209 | 846391-309 | 846391-409 | 846391-509 | 846391-609 |
| 10'6" | 846391-110 | 846391-210 | 846391-310 | 846391-410 | 846391-510 | 846391-610 |
| 11' | 846391-111 | 846391-211 | 846391-311 | 846391-411 | 846391-511 | 846391-611 |
| 12' | 846391-112 | 846391-212 | 846391-312 | 846391-412 | 846391-512 | 846391-612 |
| 2.0M | 846391-113 | 846391-213 | 846391-313 | 846391-413 | 846391-513 | 846391-613 |
| 2.5M | 846391-114 | 846391-214 | 846391-314 | 846391-414 | 846391-514 | 846391-614 |
| 2.67M | 846391-116 | 846391-216 | 846391-316 | 846391-416 | 846391-516 | 846391-616 |
| 3.0M | 846391-115 | 846391-215 | 846391-315 | 846391-415 | 846391-515 | 846391-615 |
| Custom Length | 846391-199 | 846391-299 | 846391-399 | 846391-499 | 846391-599 | 846391-699 |

*Float kits must be ordered separately from probes, water floats not recommended for fuel blends with >20% alcohol

Floats Match Table

| Product | Probe | Functions | Float Kit |
|--|---|---|---|
| Gasoline (<=20% Alcohol) | Mag Plus Probe for Alternative Fluids with Water Detection P/N 846391-1xx or -2xx | Inventory: Yes Leak Detection: Yes Water detection: Yes | Gasoline Float Kit P/N 846400-xy0* (*see note for definition of xy below) |
| | Inventory Only Mag Plus Probe for Alternative Fluids with Water Detection P/N 846391-3xx | Inventory: Yes Leak Detection: No Water detection: Yes | |
| Alcohol / Ethanol (<=100% Alcohol, including E85) Methanol (<=100% Alcohol) ETBE (<=100% Ether) MTBE (<=100% Ether) Used Oil | Mag Plus Probe for Alternative Fluids without Water Detection P/N 846391-4xx or -5xx | Inventory: Yes Leak Detection: Yes Water Detection: No | Alternative Fluids Float Kit P/N 846400-xy4* *Notes: x=0 -> 4" floats x=1 -> 2" floats x=3 -> 3" floats y=0 -> 5' cable y=1 -> 10' cable y=2 -> 20' cable |
| | Mag Plus Probe for Alternative Fluids without Water Detection P/N 846391-6xx | Inventory: Yes Leak Detection: No Water Detection: No | |
| Fuel Oil #4 & #6 Fuel Oil #4 & #6 Ethylene Glycol Propylene Glycol Windshield Washer Fluid | Mag Plus Probe for Alternative Fluids without Water Detection P/N 846391-6xx | Inventory: Yes Leak Detection: No Water Detection: No | |

Leak Test Performance (Third Party Certified for all TLS-3xx Consoles*)

| PROBE | TEST TYPE | P(D) | P(FA) | TEST TIME |
|--------------------------|-----------|------|-------|------------|
| 0.1 GPH Mag Probe | 0.1 GPH | 99% | 1% | 3 Hours |
| 0.1 GPH Mag Probe | 0.2 GPH | 99% | <.1% | 2 Hours |
| 0.1 GPH Mag Probe w/CSLD | 0.2 GPH | 99% | <.1% | Continuous |
| 0.2 GPH Mag 2 | 0.2 GPH | 99% | <.1% | 2 Hours |

Veeder-Root reserves the right to change product specifications without advance notice. Please ensure that you are using the latest version of product literature.



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