


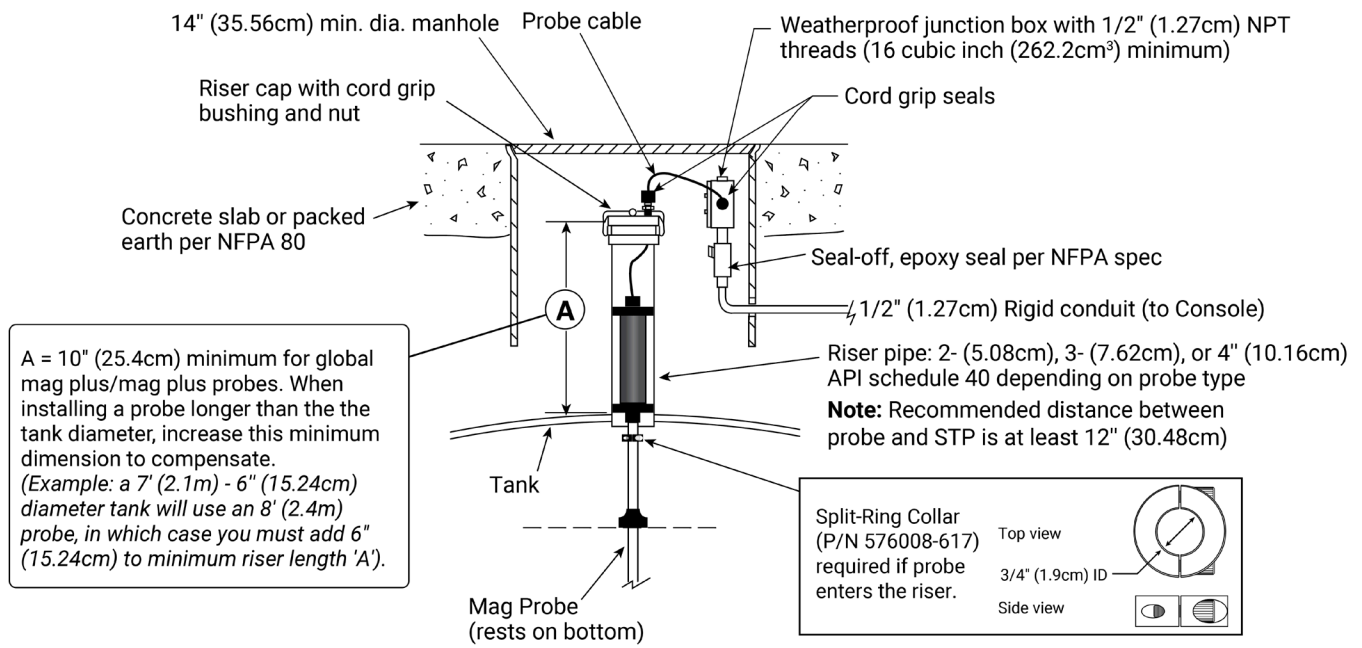
<b>Probe Description &amp; Product Application</b>	<b>Aluminum Mag Plus In-Tank Probe for Monitoring Gasoline, Retail Diesel Products &amp; Water</b> in both USTs and ASTs	
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<b>Specific Products Monitored / Product Compatibility</b>	<b>Part # &amp; Description</b>	<b>Approved Products</b>	<b>Monitoring Functionality Options</b>
		<b>Leak Detection / BIR - AccuChart Probes</b> 1. 846396-1XX Aluminum (AL) In-Tank Probe with High Grade Polymer (HGP) Canister with Water Detection & 0.1 GPH Testing Capability, UL 2. 846396-2XX AL In-Tank Probe with HGP Canister with Water Detection & 0.2 GPH Testing Capability, UL 3. 846390-1XX AL In-Tank Probe with AL Canister with Water Detection & 0.1 GPH Testing Capability, UL 4. 846390-2XX AL In-Tank Probe with AL Canister with Water Detection & 0.2 GPH Testing Capability, UL	Gasohol (<=15% Ethanol)
Gasoline with <=7% Methanol and 8% TBA			0.2 GPH static in-tank testing for USTs only
Gasoline with <=15% MTBE			0.2 GPH Continuous Statistical Leak Detection (CSLD) for USTs only
Gasoline with <=17% TAME			
Leaded Gasoline			No Leak Detection/ Inventory Only
Mineral Spirits			BIR – AccuChart for USTs only
Premium Unleaded Gasoline			
Regular Unleaded Gasoline			
Gasoline with <=15% ETBE			
Gasoline with <=12% TBA			
Diesel (Fuel Oil #2)			
Aviation Gas			
Kerosene (Fuel Oil #1)			
Bio Diesel (Low Density)			

<b>Console Compatibility</b>	<b>Maximum Probes / Console</b>	<b>Probe Interface Modules</b>				
		<b>Module Part #</b>	<b>Module Description</b>	<b># of Modules per Console</b>	<b># of Probe Inputs per Module</b>	<b>Availability</b>
TLS-450PLUS (8600 Series) with TLS-XB installed (3 max per system)	64 (32 with BIR)	332812-001	Universal Sensor Module (USM) Interface for Probes, Sensors, and DPLLD	Up to 4	16	Sold Separately (either Factory Installed or as a Spare Module)
TLS4i (8601 Series)	4	No module required, probe input capability factory installed				
TLS4c (8601 Series)	2					
TLS-350/R/PLUS	16	329356-002	4-Input Probe Interface Module	4	4	Sold Separately (either Factory Installed or as a Spare Module)
TLS-300i	4	No module required, probe input capability factory installed				
TLS-300C	2					

Part # & Description	Float Size	Cable Lengths	Min/Max Probe Length
<b>Float Installation Kits</b>			
886100-XX0 Mag Plus Phase-Two Separation Float Kit	4" (10.16cm)	5' (1.5m), 10' (3.05m), 20' (6.1m)	48" (1.2m) - 144" (3.66m)
846400-3X0 Mag Plus Gasoline Float Kit	3" (7.62cm)		
846400-1X0 Mag Plus Gasoline Float Kit	2" (5.08cm)		
846400-0X1 Mag Plus Diesel Float Kit	4" (10.16cm)		
846400-3X1 Mag Plus Diesel Float Kit	3" (7.62cm)		
846400-1X1 Mag Plus Diesel Float Kit	2" (5.08cm)		
<b>Other Installation Accessories</b>	312020-952 4" (10.16cm) NPT Riser Cap and Ring Kit for In-Tank Probes 330020-282 4" (10.16cm) Threaded NPT Riser Cap for In-Tank Probes		
<b>Specifications</b>	<b>Product</b>	<b>Water</b>	
Measurement Accuracy	+/- 0.0300" (0.762mm)	+/- 0.0300" (0.762mm)	
Resolution - One Sample Reading	+/- 0.002857" (0.072571mm)	+/- 0.002857" (0.072571mm)	
Minimum Measurement - 2" (5.08cm) Float Kits	3.23" (8.2cm)	0.867" (2.2cm)	
Minimum Measurement - 3" (7.62cm) Float Kits	3.04" (7.7cm)	0.630" (1.6cm)	
Minimum Measurement - 4" (10.16cm) Float Kits	3.04" (7.7cm) / 7.0" (17.78cm) for Phase-Two Float Kit	0.630" (1.6cm)	
Operating (Working) Temperature Range	-40 to +122°F (-40 to +50°C)		
Third Party Evaluation / Agency Listings & Links	UL, cUL, ATEX, IECEx <a href="http://www.nwglde.org/evals/veeder_root_j.html">http://www.nwglde.org/evals/veeder_root_j.html</a>		
Product Installation Guide Link	<a href="https://www.veeder.com/us/technical-document-library">https://www.veeder.com/us/technical-document-library</a>		

**Example Installation**



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## **Example Illustrations**

Illustrations used in this guide for example sensor installations may contain components that are customer supplied and not included with the sensor. Please check with your Veeder-Root Distributor for recommended installation accessories.

## **Third Party Evaluations**

Third party evaluations of the Veeder-Root sensors contained in this application guide can be found under the Veeder-Root vendor name on the National Work Group on Leak Detection Evaluations (NWGLDE) website:

<http://www.nwglde.org>