VEEDER-ROOT

Density Mag Plus In-Tank Probe for Monitoring Diesel & Other Products in both USTs and ASTs

Probe Description & Product Application	Density Mag Plus In-Tank Probe for Monitoring **Diesel & Other Products** in both USTs and ASTs	

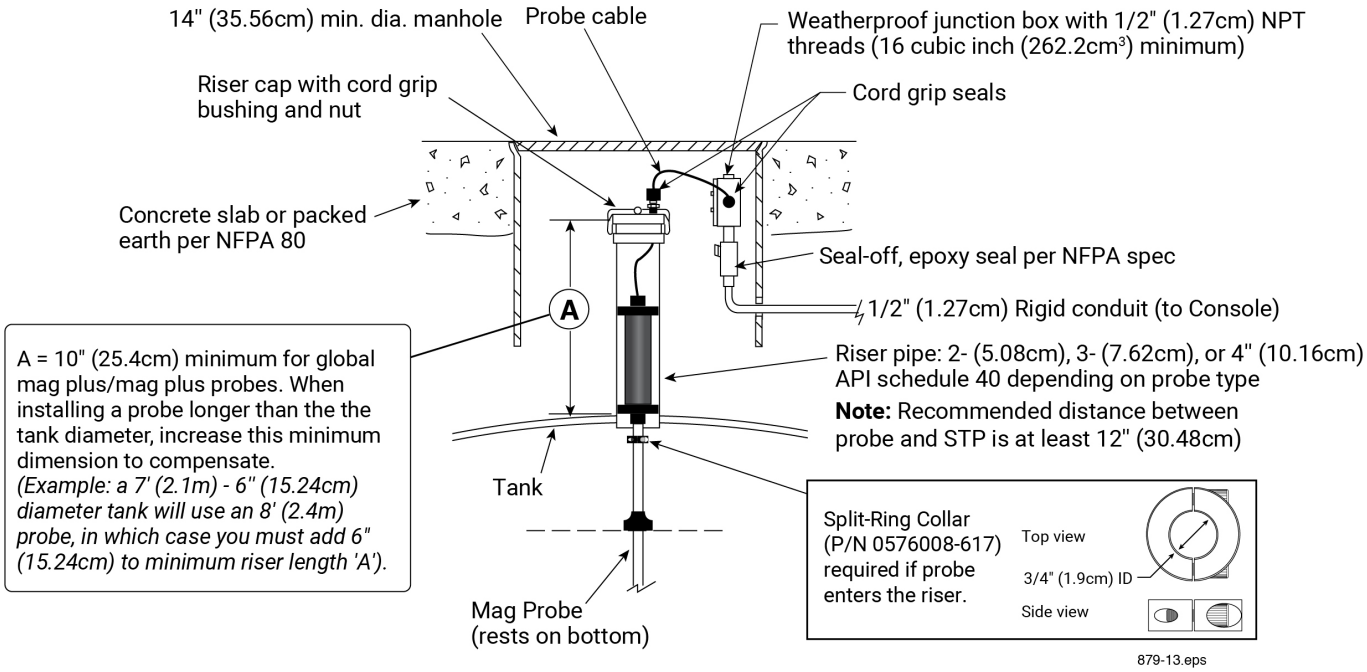
Specific Products Monitored / Product Compatibility	**Part # & Description**	**Approved Products**	**Monitoring Functionality Options**
	<u>Leak Detection / BIR – Accuchart Probes</u> 1. 0846397-7xx Stainless Steel (SS) In-Tank Probe with High Grade Polymer (HGP) Canister with Water Detection & 0.1 GPH Testing Capability, UL 2. 0846397-8xx SS In-Tank Probe with HGP Canister with Water Detection & 0.2 GPH Testing Capability, UL **<u>No Leak Detection/Inventory Only Probes</u>** 1. 0846397-9xx SS In-Tank Probe with HGP Canister with Water Detection & No Leak Detection/Inventory Only, UL	Diesel (Fuel Oil #2)	0.1 GPH static in-tank testing
		Bio Diesel (Low Density) *	0.2 GPH static in-tank testing
		Bio Diesel (High Density) *	0.2 GPH Continuous Statistical Leak Detection (CSLD)
		Kerosene (Fuel Oil #1)	No Leak Detection / Inventory Only
		Jet Fuel (JP8)	BIR – AccuChart
		Fuel Oil #4	Density Range = 800 - 900 kg/m^3
	** Tank testing approved for: B6-B20 meeting ASTM D7467 and B100 meeting ASTM D6751*		

Console Compatibility	**Maximum Probes / Console**	**Probe Interface Modules**				
		Module Part #	**Module Description**	**# of Modules per Console**	**# of Probe Inputs per Module**	**Availability**
TLS-450PLUS (8600 Series) – Minimum Software Version 5B with TLS-XB installed (3 max per system)	64 (32 with BIR)	0332812-001	Universal Sensor Module (USM) Interface for Probes, Sensors, and DPLLD	Up to 4	16	Sold Separately (either Factory Installed or as a Spare Module)
TLS4 (8601 Series)	12	No module required, probe input capability factory installed				
TLS4B (8601 Series)	6					

Float Installation Kits	**Part # & Description**	**Float Size**	**Cable Lengths**	**Min/Max Probe Length**
	0886001-1x1 Mag-D Diesel Float Kit w/ EU Seal Kit	2” (5.08cm)	5’ (1.5m), 10’ (3.05m)	48” (1.2m) - 144” (3.66m)
	0886000-1x1 Mag-D Diesel Float Kit w/ US Seal Kit			
Other Installation Accessories	0312020-952 4” NPT Riser Cap and Ring Kit for In-Tank Probes 0330020-282 4” Threaded NPT Riser Cap for In-Tank Probes			

Specifications	Product	Water
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	6.367” (16.17cm)	1.495” (3.797cm)
Operating (Working) Temperature Range	-40°F to +122°F (-40°C to +50°C)	
Third Party Evaluation / Agency Listings & Links	UL, cUL, ATEX, IECEx	
	http://www.nwglde.org/evals/veeder_root_j.html	
Product Installation Guide Link	https://www.veeder.com/us/technical-document-library	

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