

Veeder-Root Offers Full Range of Products for Flexible Fuels

The Renewable Fuels Standard, mandated by the Energy Policy Act of 2005, calls for the gradual escalation of biofuel use in the United States. This legislation is estimated to stimulate the use of biofuels like ethanol and biodiesel from 4 billion gallons in 2006 to 7.5 billion gallons by 2012.

In response to this growing trend for flexible fuel use, coupled with rising crude oil prices, Veeder-Root offers a full range of solutions for station owners looking to dispense flexible fuels.

High Alcohol (E85) Fuels



E85 is the term for motor fuel blends of 85 percent ethanol and just 15 percent gasoline – an alternative fuel as defined by the U.S. Department of Energy, also known as a biofuel. Besides its superior performance characteristics, ethanol burns cleaner than gasoline; it is a completely renewable, domestic, environmentally friendly fuel that enhances the nation's economy and energy independence.

This renewable alternative fuel is made from crops and waste products. It has the highest oxygen content of any transportation fuel available today. And its fewer exhaust emissions result in reduced production of smog. In addition, E85 has the highest oxygen content of any transportation fuel available today, making it burn cleaner than standard fuels.

Biodiesel



Biodiesel is a clean burning alternative fuel, produced from domestic, renewable resources that can be blended at any level with petroleum diesel to create a biodiesel blend. It can be used in compression-ignition (diesel) engines with little or no modifications. Biodiesel is simple to use, biodegradable, nontoxic, and essentially free of sulfur and aromatics.

A U.S. Department of Energy study showed that the production and use of biodiesel, compared to petroleum diesel, resulted in a 78.5% reduction in carbon dioxide emissions. In addition, for every unit of energy needed to produce a gallon of biodiesel, 3.24 units of energy are gained.

Probes, Sensors and Accessories



Mag Plus Probe



Interstitial Sensor
(fiberglass tank)



Interstitial Sensor
(steel tank)



Position Sensitive
Pan/Sump Sensor



Microsensor

Probes

Veeder-Root has a full line of Mag Plus magnetostrictive probes compatible with flexible fuels. They are made of stainless steel and can fit tank heights up to twelve feet. The probes can perform all inventory measurement and leak detection functions the same way as probes for conventional petroleum fuels. Alternative float kits should be ordered for these probes.

Sensors

All sensors below are compatible with flexible fuels, with third party certification and are UL, cUL, National Work Group and LG113 listed:

- Interstitial Solid State Sensor for Fiberglass Tanks
- Interstitial Sensor for Steel Tanks
- Position Sensitive Pan/Sump Sensor
- Microsensor



Pumps and ATGs

Red-Jacket Pumps

All Red-Jacket submersible turbine pump models including AG can be used for flexible fuels blended in conventional petroleum fuel. Capacities of 3/4 to 2 horsepower and lengths of 3'6" to 19'1/2" are available to accommodate various customer needs.



TLS Series of ATG

Compatible with flexible fuels, the TLS series of Automatic Tank Gauges has an integrated, modular design that allows station operators to choose the exact set of compliance and fuel management features needed.

As regulatory requirements change, new features can be easily added to this flexible platform.



PRODUCT	DESCRIPTION		E85	BIO DIESEL
VEEDER-ROOT © AUTOMATIC TANK GAUGES				
Veeder-Root TLS-300C 848590-521	ATG/TLS	1-2 UST configurable console with inventory monitoring and leak detection for non-retail applications	X	X
Veeder-Root TLS-350 Plus 848290-022	ATG/TLS	UST monitoring console with magnetorestrictive probe capability, CSLD, site fax option, integral printer	X	X
Veeder-Root TLS-350 R 848290-122	ATG/TLS	UST monitoring console with automatic inventory capability, BIR, CSLD, Accu-Chart tank calibration, integral printer	X	X
Gilbarco EMC	ATG/TLS	UST Environmental Management Console with automatic inventory capability, BIR, CSLD, integral printer	X	X
Red Jacket ProMax	ATG/TLS	UST console with integral printer, PLLD, CSLD, sensor input interface, and up to 4 probes / floats	X	X
Red Jacket ProPlus	ATG/TLS	UST console with integral printer, CSLD, sensor input interface, and up to 4 probes / floats	X	X
VEEDER-ROOT © TANK PROBES AND SENSORS				
Mag Plus Stainless Steel Probe 846391-4xx to -6xx	PROBE	Stainless steel alternative fuel probe (consult factory for biodiesel float kits)	X	X
Mag Plus Probe 847390-xxx	PROBE	Regular magnetorestrictive probe (consult factory for biodiesel float kits)	X	X
794380-323	SENSOR	Stainless Steel Position Sensitive Pan/Sump Sensor	X	X
794380-344	SENSOR	Microsensor	X	X
794380-345	SENSOR	Stainless Steel Interstitial Solid State Sensor for Fiberglass Tanks	X	X
794380-430	SENSOR	Stainless Steel Interstitial Sensor for Steel Tanks	X	X
RED-JACKET © SUBMERSIBLE TURBINE PUMPS AG				
AGP75S1 RJ2	STP	102" - 162", PN# 410140-019	X	
AGP150S1 RJ2	STP	104.5" - 165", PN# 410141-020	X	
AGP200-S1-3 RJ2	STP	108.5" - 168.5", PN# 410142-020	X	

Call today to learn more.

If you are interested in learning more about the full range of products to support flexible fuels or if you have any specific questions please contact Veeder-Root today: 888.561.7942.

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