

Specifications and Compatible Fluids Requirements

The table below lists Veeder-Root Line Leak Detector specifications.

SPECIFICATION	PLLD	WPLLD
OPERATING TEMP:	-25 TO +130°F	-25 TO +130°F
COMPATIBLE FUELS:	UNLEADED GASOLINE LEADED GASOLINE 5% METHANOL / 95% UNLEADED 0 - 100% ETHANOL 10% ETHANOL / 90% UNLEADED 15% MTBE / 85% UNLEADED DIESEL KEROSENE JET FUEL AVIATION GASOLINE	UNLEADED GASOLINE LEADED GASOLINE 5% METHANOL / 95% UNLEADED 10% ETHANOL / 90% UNLEADED 15% MTBE / 85% UNLEADED DIESEL KEROSENE JET FUEL AVIATION GASOLINE
LINE FLOW RATE:	120 GPM MAX. W/SWIFTCHECK VALVE	120 GPM MAX. W/SWIFTCHECK VALVE
OPERATING RANGE:	0 - 70 PSI	0 - 70 PSI
PROOF PRESSURE:	200 PSI	200 PSI
MAX. VERTICAL PIPELINE HEIGHT ABOVE TRANSDUCER:	11 FEET	11 FEET
MINIMUM PUMP OUTPUT PRESSURE*	23 psi	23 psi

*Pump output pressure should be a minimum of 4 psi above the check valve's relief pressure.

All Veeder-Root Line Electronic Leak Detectors require a TLS-350 and TLS-4XX Console with installed system software versions shown in the table below.

LINE LEAK DETECTOR TYPE	TLS-350 REQUIRED SYSTEM SOFTWARE	TLS-4XX REQUIRED SYSTEM SOFTWARE
PLLD	VERSION 7 OR HIGHER	VERSION 1 OR HIGHER
WPLLD	VERSION 12 OR HIGHER	NOT AVAILABLE

Veeder-Root recommends that system software for the console be upgraded to the latest version when installing any new hardware. For TLS-350 Consoles, when installing Version 19 software and subsequent releases, PLLD or WPLLD must be specified and customer must upgrade to ECPU2 if not already installed. See Accessories/Upgrades section of price book or your local Veeder-Root authorized distributor for details.



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Concerned Regulatory Agency

Re: Veeder-Roott Compatibility with E85

To whom it may concern:

Veeder-Roott TLS branded automatic tank gauging products have UL listings for product safety. The wetted component materials used with the below listed products are deemed by Veeder-Roott to be compatible with ethanol 85 applications.

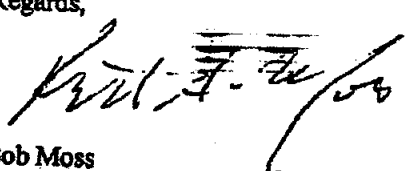
<u>VR Part Number</u>	<u>Description</u>
848480-003	Pressurized Line Leak Detector
846391-4XX, 5XX, 6XX	Mag Plus Probes for Alternative Fluids without water detection
846400-004,304,104	Mag Float Kit (5" cable) for Alternative Fluids 4", 3" & 2" floats
846400-014,314,114	Mag Float Kit (10" cable) for Alternative Fluids 4", 3" & 2" floats
846400-024,324,124	Mag Float Kit (20" cable) for Alternative Fluids 4", 3" & 2" floats
794380-323	Position Sensitive Pan/Sump Sensor
794380-344	MicroSensor
794380-345	Interstitial Solid State Sensor for Fiberglass Tanks
794380-430	Interstitial Sensor for Steel Tanks

The following sensor is exposed to Brine and is not of concern in an E85 application.

794380-301 Hydrostatic Sensor

Please contact Veeder-Roott Technical Support at 1-800-323-1799 with further questions. —

Regards,


Bob Moss
VP Engineering

OPW 61T Drop Tube

The OPW 61T Drop Tube is installed in the fill riser pipe to an underground storage tank. It is designed to transfer product from the fill connection point (between the delivery drop elbow and tight-fill adaptor) to within 6" (or per local requirements) of the bottom of the tank. This allows for submerged filling of the tank, resulting in a more efficient delivery flow rate while reducing the build-up of vapors or foam in the tank.

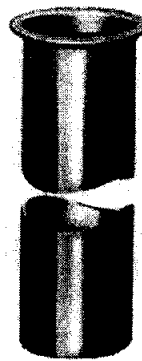
OPW 61TC Coaxial Fill Drop Tubes

The OPW 61TC Coaxial Drop Tube is designed to replace an OPW 61T Conventional Drop Tube when Stage I Vapor Recovery is required and a vapor recovery riser pipe is not available on the tank or would require excavation to the top of the tank. The 61TC is used in conjunction with OPW 633TC Coaxial Vapor Recovery Adaptors to return vapors to the tank truck through one riser pipe during a fuel delivery to an underground storage tank. The upper section of the 61TC is tapered to allow vapors to return to the tank truck through the interstitial space between the riser pipe and outside wall of the drop tube. Simultaneously, product is delivered to the tank through the center of the 61TC.

OPW 61TCP Poppeted Coaxial Fill Drop Tubes

The OPW 61TCP Poppeted Coaxial Fill Drop Tube is similar to the 61TC, but is spring-loaded. When used in conjunction with the OPW 633TCP, the 61TCP acts as a poppet to close off the vapor return side of the coaxial fill tube.

61T



Stainless Steel
Construction
E85 EVR Approved

61T-SS



Features

- ◆ **.062" Thick Drop Tube Walls** – deter denting and damage to the tube upon installation or removal for long service life.
- ◆ **Various Lengths and Diameters** – accommodate a variety of tank diameters and fill riser pipe sizes.

Ordering Specifications

Product #	Diameter		Weight		Drop Tube Length	
	in.	mm	lbs.	kg	ft.	m
61T-7268	4	102	6.18	2.80	12	3.66
61T-7368	4	102	7.65	3.48	15	4.57
61T-7468	4	102	13	5.9	17	5.19
E85 EVR Approved:						
61T-SS-0412	4	102	6.18	2.80	12	3.66
61T-SS-0417	4	102	13	5.9	17	5.19
61T-DET0112*	4	102	6.18	2.8	12	3.66

*For DEF Applications Only

Replacement gaskets for the 61T-4" and the 6150 Series are available. Order the OPW 61TG (4000).

Features

- ◆ **.052" Thick Drop Tube Walls** – deter denting and damage to the tube upon installation or removal for long service life.
- ◆ **Various Lengths and Diameters** – accommodate a variety of tank diameters and fill riser pipe sizes.
- ◆ **Fully Welded Retaining Brackets** – ensure a secure installation in the riser pipe.
- ◆ **Three Centering Springs** – enable even flow of vapors back to the tank truck.

Ordering Specifications

Product #	Diameter		Length		Weight	
	in.	mm	ft.	m	lbs.	kg
61TC-7270	4	102	13	3.05	8.64	3.93
61TC-7272	4	102	16	4.88	13.82	6.28
61TCP-3800	4	102	13	3.96	8.96	4.07

61T Drop Tube Instruction Sheet Order Number: 200652

61TCP-3800 Instruction Sheet Order Number: H12064M

