

ELECTRONIC LINE LEAK DETECTORS QUICK REFERENCE

**Note: Leak detection equipment installed in systems with greater than 10% ethanol should be free of zinc, lead, aluminum, tin or their alloys (brass, terne (lead-tin alloy)).**

MA# Manufacturer	MODEL	TEST TYPE	THRESHOLD	COMMENTS	
20050005 Veeder-Root Co.	Probe 8475 TLS, TLSPC (volumetric)	0.1	0.079	Rigid 3inch maximum diameter + 158 gallon maximum	
		0.2	0.1	Flexible 49.6 gallon maximum	
		3.0 GPH	1.5	Remove mechanical flow restrictors.	
	PROBE 8484 TLS, TLSPC (Pressurized PLLD) Hybrid Piping: Rigid/Flex	0.1	Pre-set Limit	Rigid 3inch maximum diameter 119.4 gallon maximum	
		0.2		Flexible 119.4 gallons maximum	
3.0 GPH		Remove mechanical flow restrictors.			
Prb.8494 TLS,TLSPC,LLD300	as above	3.0 GPH	3.0 GPH ONLY- any combination of rigid/flex up to 212 gallons maximum		
20060002 Franklin Fueling	TS-LS500	0.1	0.05	Audio/visual, Optional shutdown	Rigid 95.5 gal. or less Flex 312.2 gal. Or less Hybrid 415.8 gal. or less Remove flow restrictors.
		0.2	1.0	Audio/visual, Optional shutdown	
		3.0 GPH	1.5	Audio/visual and shutdown	
20040010 Veeder Root (Revised 990047)	Red Jacket CPT Line Testing	0.1	0.1	Automatically runs.2 & .1	
		0.2	0.2	Annual Test May be Manually Started	
		3.0 GPH	3		
20080007 Franklin Fueling (Renewal for 20030009) Formerly Intelligent Controls	Incon TS-LS300 & EBW AS-LS300 (Autolearn LLD)	0.1	0.05	Audio/visual, NO shutdown	Rigid 163 gal. or less Flex 39.5 gal. Or less Remove Flow restrictors
		0.2	1.0	Audio/visual, NO shutdown	
		3.0 GPH	1.5	Audio/visual and shutdown	
20030007 Veeder-Root Co. Red Jackets	ProMax Volumetric LLD Probe 8475	0.1	0.079	Remove mechanical flow restrictors.	
		0.2	0.1	Rigid Maximum 3inch diameter + <158 gallons.	
		3.0 GPH	1.5	Flex <49.6 gallons	
	ProMax Pressurized LLD PROBE 8484	0.1	Pre-set Limit	Remove mechanical flow restrictors.	
		0.2		Rigid Maximum 3inch diameter + <98.4 gallons	
Probe 8494	as above	3.0 GPH	Flex <40.8 gallons		
20030004R1 Veeder-Root Co.	Probe 8475 TLS, TLSPC (volumetric)	0.1	0.079	Rigid 3inch maximum diameter + 158 gallon maximum	
		0.2	0.1	Flexible 49.6 gallon maximum	
		3.0 GPH	1.5	Remove mechanical flow restrictors.	
	PROBE 8484 TLS, TLSPC (Pressurized PLLD)	0.1	Pre-set Limit	Rigid 3inch maximum diameter 98.4 gallon maximum	
		0.2		Flexible 40.8 gallons maximum	
		3.0 GPH	Remove mechanical flow restrictors.		
	Prb.8494 TLS,TLSPC,LLD300	as above	3.0 GPH	Rigid maximum 3inch diameter + <100 gallons	

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20030003 OPW Fuel Management (EECO System)	Electronic Pressurized Line Leak Detector	0.1	Pre-set	Automatically performs hourly, monthly and annual tests. Flex <39.5 gallons Rigid <163 gallons System failure: Audible, visual and printout. Flow restrictors must be removed.
		0.2	Limit	
		3.0 GPH		
20020011 Intelligent Controls	INCON TS-LLD	0.1	0.05	Remove mechanical flow restrictors.
		0.2	0.1	Flex Maximum volume 39.5 gallons
		3.0 GPH	1.5	Rigid Maximum volume 163 gallons
20020005R1 GILBARCO, INC.	EMC, EMC-PC Volumetric PAO2630000501/VLLD PAO316/HGVLLD	0.1	0.079	Rigid 3inch maximum diameter 158 gallon maximum
		0.2	0.1	Flexible 49.6 gallon maximum
		3.0 GPH	1.5	Remove mechanical flow restrictors.
	EMC, EMC-PC Pressurized PAO263000060/PLLD	0.1	0.079	Rigid 3inch maximum diameter 98.4 gallon maximum
		0.2	0.1	Flexible 40.8 gallon maximum
		3.0 GPH	1.5	Remove mechanical flow restrictors.
	EMC, EMC-PC Wireless PAO263000060/WPLLD	0.1	0.079	Remove mechanical flow restrictors.
		0.2	0.1	Rigid 3inch maximum diameter 100 gallon maximum
		3.0 GPH	1.5	
20020004 EBW, Inc.	Electric Pressurized Line Leak Detector AutoStik II Software version 37	3.0 GPH	1.5	Runs automatically every 45 min. Hourly test failure shuts down system, audible and visual warnings, and prints report.
		0.2	0.1	Runs automatically
		0.1	0.05	Runs automatically
				Flex Maximum Volume 39.5 gallons Rigid Maximum Volume 163 gallons
20010019 EMCO Electronics (EECO System)	EECO FAMILY LLD	3.0 GPH	2.0	Remove mechanical flow restrictors.
		0.2	0.1293	Rigid <=68 gallons Flex <=50 gallons
		0.1	0.0793	
990050 Marley Pump Co	CPT Line Testing	0.1	0.1	Automatically runs.2 & .1
		0.2	0.2	Annual Test May be Manually Started
		3.0 GPH	3	
990047 Marley Pump	PPM 4000, RLM 9000,CPT	0.1	0.1	Automatically initiates
	ST1401L, ST1801L, ProLink	0.2	0.2	
		3.0 GPH	3	Annual tests may be manually started.

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990012 Petro Vend Inc.	LT2	0.1	0.062	If leak is declared, the system will shut down and alarm will sound.
		3.0 GPH	2	
	2001J	0.1	0.05	
		3.0 GPH	2.5	
980023 Campo/Miller	LS300,LS300-120,XLC	3.0 GPH	3	Remove mechanical flow restrictors.
	LS300-120 PLUS,GRS	3.0 GPH	3	
		0.2	0.2	TEST PRIOR TO SUNRISE
	LS300-120 PLUS AL	3.0 GPH	3	Can be interfaced w/ Auto/Stik II 960 console
		0.1	0.1	
		0.2	0.2	
	PL 400 Annual TT	0.1	0.1	30 minute data collection.
930071 Tidel Engineering	EMS 3500	0.1	0.1	
	EMS 3000	3.0 GPH	0.3	
920092 Ronan Engineering	LLD X76	0.1	0.1	
		0.2	0.2	
		3.0 GPH	3	