

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 | |
|---|---|---|------------------|---|--|
| 20140006 Franklin Fueling (Revision for 20120008) | 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 | |
| | TS-LS500 SLLD | 0.2 | 0.08 | Audio/visual and shutdown | |
| 20140001 OPW Fuel Management (Renewal for 20120009) | Model 327 VLLD | 0.1 | 0.05 | Audio/visual, Optional shutdown | Rigid 425.8 gal. or less Flex 109.8 gal. or less Hybrid 535.7 gal. or less Remove flow restrictors. |
| | | 0.2 | 1.0 | Audio/visual, Optional shutdown | |
| | | 3.0 GPH | 1.5 | Audio/visual and shutdown | |
| | | | | | |
| 20110008 Franklin Fueling (Renewal for 20080007) 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 | |
| | | | | | |
| 20090008 Franklin Fueling (Supersedes 20060002) | 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 | |
| | | | | | |
| 20090004 Veeder-Root Co. (Revised 20050005) | PROBE 8484 TLS, ProMax (Pressurized PLLD) Hybrid Piping: Rigid/Flex Prb.8494 TLS, TLSPC, EMC Series | 0.1 | Preset Limit | Rigid 3inch maximum diameter 119.4 gallon maximum | |
| | | 0.2 | | Flexible 119.4 gallons maximum | |
| | | 3.0 GPH | | Remove mechanical flow restrictors. | |
| | | 3.0 GPH | | 3.0 GPH ONLY- any combination of rigid/flex up to 212 gallons maximum | |
| | as above | Rigid maximum 3inch diameter + <100 gallons | | | |
| 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 | |
| | | | | | |
| 20040010 Veeder Root (Revised 990047) 20030007 Veeder-Root Co. Red Jackets | 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 | | |
| | 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 | |
| | | 3.0 GPH | | Flex <40.8 gallons | |
| | Probe 8494 | as above | | Rigid Maximum 3inch diameter + <100 gallons | |

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|--|--|-------------------------------------|---|--|
| 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 | | Rigid maximum 3inch diameter + <100 gallons | |
| 20030003 OPW Fuel Management (EECO System) | Electronic Pressurized Line Leak Detector | 0.1 | Pre-set Limit | Automatically performs hourly,monthly and annual tests. |
| | | 0.2 | | Flex <39.5 gallons Rigid <163 gallons |
| | | 3.0 GPH | | System failure: Audible, visual and printout. |
| | | | Flow restrictors must be removed. | |
| 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 | |

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| 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. |
| 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 | |

ADDRESSES AND PHONE #

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