



**Quality Petroleum Equipment
Solutions for Over 20 Years**

**VMI MLLDs
A Higher Level of Performance**

VMI = Higher Level of Performance

- **Shortest Profile MLLD Available**
 - VMI MLLDs will fit in tight installations where others won't
- **Stainless Steel Metering Pin & Poppet Maintain Consistent Fluid Metering**
 - Minimal expansion & contraction with thermal variations
 - Minimal wear
 - Maintains 3GPH @ 10PSI compliance over a longer period of time

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- One MLLD for Any Fuel
 - Alcohols, Biodiesel, Aviation Fuels, Gasoline, Diesel, Kerosene
 - SS vent kit recommended when working with Alcohol concentrations over 20%, Biodiesel over 5%, or any Aviation Fuel
- Specialty units for uncommonly monitored chemicals: MPK, MEK, Ammonia, etc.
 - Contact factory for chemical solutions

VMI = Higher Level of Performance

- VMI MLLDs have a higher level of performance over a broader range of applications
 - Burial depth (head pressure)
 - LD-2000 & LD-2200 8 - 10ft.
 - LD-2000HH - 15ft.
 - LD-3000 12 - 15ft.

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■ Piping System Types

- Steel
- Fiberglass
- Flexible

VMI = Higher Level of Performance

■ High Line Resiliency

- Any type of pipe may have high line resiliency due to installation problems

VMI = Higher Level of Performance

- **Field Adjustable Leak Threshold**
 - **At initial installation**
 - **High resiliency lines**
 - **During annual testing**

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- Available Electronic assists to prevent false-alarm slow flow problems

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■ Any Pump

- LD-2000 or LD-2200 for fractional through 2 HP pumps
- LD-3000 for 3, 4 & 5 HP pumps
- Centrifugal pumps (flooded suction) require in-line installation of LD-2000 or LD-2200 in 2" adapter tee, LD99-5040, or installation of LD-3000
 - Non flooded suction require solenoid valve or foot-valve

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- **LD-2000 Only 2” MLLD Available with Integrated Check Valve**
 - **Maintain Line Pressure if STP check valve fails**
 - **Maintains a higher PSI than with non-c/v MLLD**
 - **Allows LD-2000 to work in higher resiliency and higher head pressure applications**
 - **When installed in older pumps, won't allow system to drop into slow flow with multiple nozzles open**
 - **Less service calls**

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- **The LD-3000 - Only 3” MLLD Available with Integrated Check Valve**
- **Thermal issues can be solved with the electronic assists**
- **The LD-3000 can be mounted vertically, horizontally, or diagonally**

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■ Longer Lasting

- Numbers reported to VMI by technicians
 - 5-6 year mean time to failure for VMI
 - We have received back a 13 year old LD-2000 that was still detecting a 3 GPH leak

VMI = Higher Level of Performance

- Less stock at the warehouse and on trucks because of fewer models needed
- Field adjustable
- Happier Customers
- Less Slow Flow service calls

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■ VMI Know How

- There are properties of VMI leak detectors that allow them superior field performance that are not discussed in this document.
- This intellectual property is the result of over 20 years of research and is not released to the public.

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- LD-2200 cost about the same as an FX-1
 - Less than FE Petro
- LD-2000 cost = FX-2 The FX-2, no check valve, and has an incorrectly placed test port
- Difference between LD-2200 vs. LD-2000 is less than $\frac{1}{2}$ the price of a service call
 - Will save at least the price of a service call, probably several, over its life
 - Longer life = cost savings

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- Who else has a High Head Pressure MLLD?
- Who else has False Alarm Interface to defeat thermal contraction?
- Who else can perform positive STP shutdown utilizing an MLLD?
- Who else works with high line resiliency?

NO ONE !!