

LFN SERIES 2-WAY MICRO INERT SOLENOID VALVE

The Lee Company's LFN Series Micro Inert Solenoid Valve is a chemically inert, isolation style valve with zero dead volume and extremely low internal volume. This 2-way normally closed, bi-directional design provides consistent, reliable switching performance in an ultra-miniature footprint, enabling multiple valves to be mounted together in extremely tight spaces.

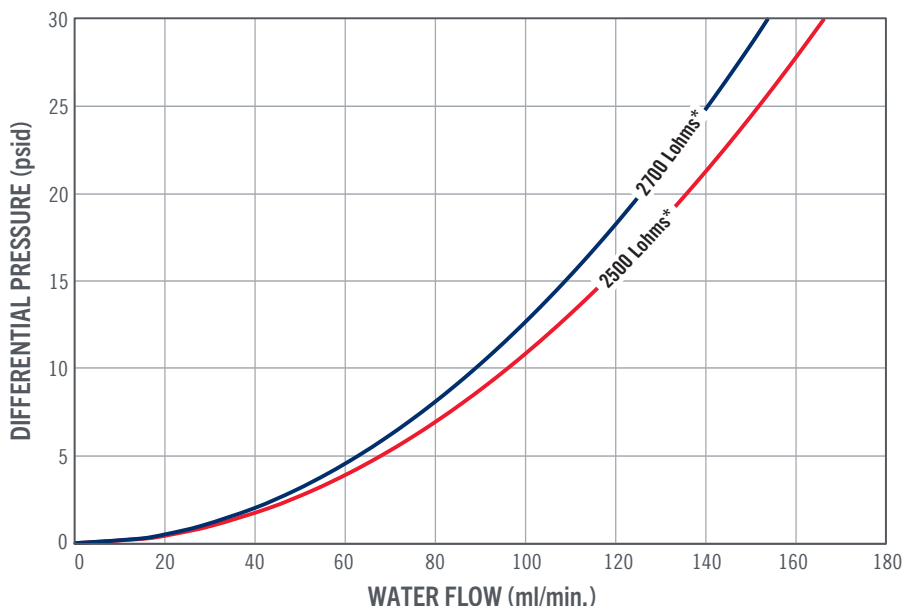
With fast response times and excellent flushing characteristics that reduce reagent consumption, the LFN Series valve is used in a variety of medical and scientific applications, in markets such as in vitro diagnostics, genomics, biotechnology, environmental analyzers and other OEM devices. Each valve is 100% functionally tested for performance and designed using materials that ensure consistent, long-term operation.

Performance parameters can be optimized to meet specific application requirements. The Lee Company also offers an array of standard manifolds for prototype testing, as well as custom design capabilities for production. Contact your Lee Sales Engineer for additional technical assistance and application information.

- Chemically inert
- Compact size: 7 mm
- Light weight: less than 6 grams
- Zero dead volume
- Low internal volume: 9 μ L
- Bi-directional flow
- Style: flange mount
- Low power consumption: 900 mW



FLOW PERFORMANCE CHARACTERISTICS



PART NUMBER	OPERATING VOLTAGE (Vdc)	LOHM* RATE	OPERATING PRESSURE (psig)	WETTED MATERIALS
LFNA1250125H	12	2500 Lohms (Cv = 0.008)	Vac - 30	FKM/PEEK
LFNA2450125H	24		Vac - 30	FKM/PEEK
LFNA1250225H	12		Vac - 30	EPDM/PEEK
LFNA2450225H	24		Vac - 30	EPDM/PEEK
LFNA1250427H	12	2700 Lohms (Cv = 0.007)	Vac - 30	FFKM/PEEK
LFNA2450427H	24		Vac - 30	FFKM/PEEK

* The Lohm is a measure of flow resistance. Additional information can be found at theleeco.com/Lohm.

FLANGE MOUNT

Technical drawing of the FLANGE MOUNT component, showing dimensions in inches and millimeters.

Top View Dimensions:

- Overall Width: .51 [13.06]
- Mounting Hole Spacing: .39 [9.86]
- Mounting Hole Diameter: 2X Ø.07 [1.78]
- Mounting Hole Depth: .105 [2.67]
- Mounting Hole Position: .29 [7.24] and .16 [4.04]

Side View Dimensions:

- Overall Length: 1.57 [39.88] MAX
- Gasket Thickness: .08 [2.03]
- Contact Pin Diameter: 2X .26 [6.60]
- Contact Pin Position: .10 [2.54]

Labels:

- 2X MOUNTING HOLES Ø.08 THRU [2.03] (#1 SCREW)
- GASKET INCLUDED
- 2X CONTACT PINS □.025 [0.6]