

LO-LOHM HIGH DENSITY INTERFACE (HDI) SOLENOID VALVE

The Lee Company continues to expand its High Density Interface (HDI) platform by now offering more flow capacity without sacrificing size or weight. Imagine the features of a large valve coupled together with the superior performance of a miniature valve, all in one compact design.

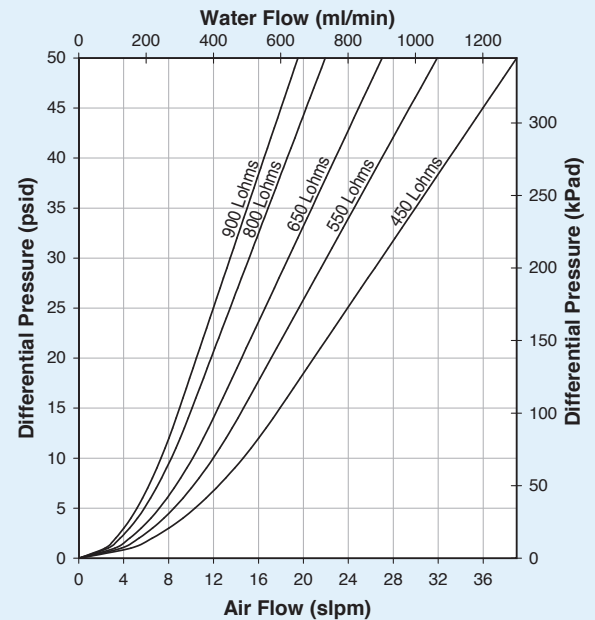
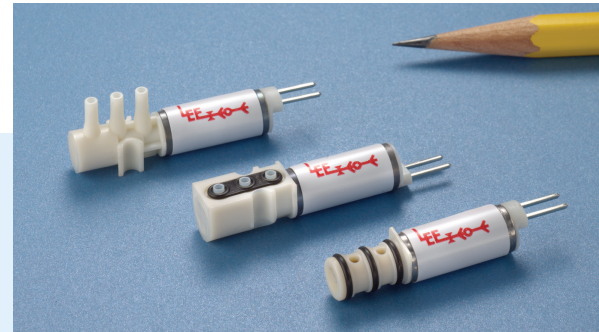
The Lo-Lohm Series solenoid valve simplifies the decisions engineers must make when designing valves into their product. Available in three styles (plug-in, face mount, and soft tube ported), this design is ideal for applications where space is limited.

The Lee Company offers an array of standard manifolds for testing as well as custom designed manifold configurations for production. Performance parameters can be optimized for a specific application.

Contact your Lee Sales Engineer for additional technical assistance and application information.

See dimensional drawings on reverse.

- Compact Size
- Light Weight: Less Than 4.5 grams
- 100% Tested
- Spike & Hold Voltage Drive Required (Ref. Lee Drawing #LFI1001750A for Schematic)
- Spike Actuation Voltage Time: 10ms
- Electrical Connection: 0.025" Sq. Pin
- Wetted Materials: Housing (PBT), Armature/Core (FeCr Alloy), Spring (316 SS), O-Ring (FKM) and Epoxy. See table below for Internal Seal and Plunger Head wetted materials.
- Operating Temperature: 40°F to 120°F (4°C to 49°C)
- Leakage: 50 μ L/min (max) on Air at 70°F (21°C) with 5 psig Applied to the Common Port

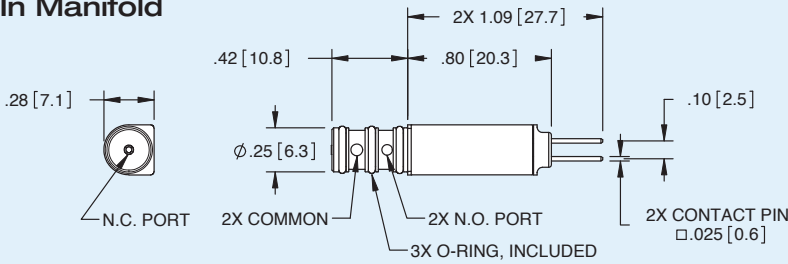


* The Lohm is a measure of flow resistance. Additional information can be found at www.theleeco.com.

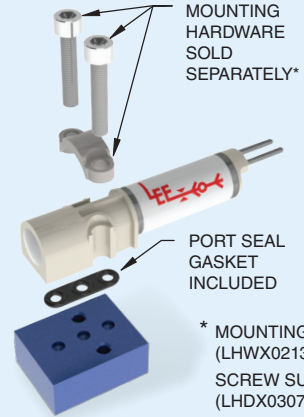
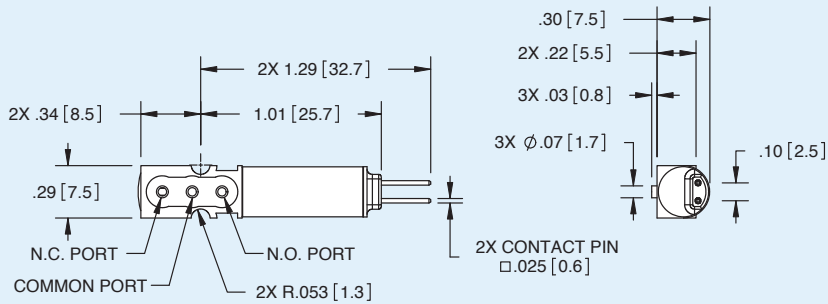
STYLE	CONFIGURATION	PART NUMBER	SPIKE ACTUATION VOLTAGE (vdc)	HOLD VOLTAGE (vdc)	FLOW CAPACITY (air)	OPERATING PRESSURE RANGE	POWER CONSUMPTION AT HOLD VOLTAGE (mW)	INTERNAL SEAL	PLUNGER HEAD	
Plug-In	2-Way NC (Common Inlet)	LHDA0560245D	15	5	450 Lohms (39 SLPM @ 50 psid; Ref. Cv = 0.044)	Inlet: Vac - 50 psig Differential: 50 psid (max)	540	FKM	PPA	
		LHDA1260245D	32	12			550	FKM	PPA	
	2-Way NO (NO Inlet)	LHDA0560365D	11	5	650 Lohms (27 SLPM @ 50 psid; Ref. Cv = 0.031)	Inlet: Vac - 45 psig Differential: 15 psid (max)	540	FKM	PPA	
		LHDA1260365D	25	12			550	FKM	PPA	
	3-Way (Common Inlet)		LHDB0313155D	5	2.5	550 Lohms (14.6 SLPM @ 15 psid; Ref. Cv = 0.036)	Inlet: Vac - 45 psig Differential: 15 psid (max)	520	Silicone	PPS
			LHDB0613155D	12	6			590	Silicone	PPS
LHDB0313255D			5	2.5	520			FKM	PPA	
LHDB0613255D			12	6	590			FKM	PPA	
Face Mount	2-Way NC (Common Inlet)	LHDA0570290D	19	5	900 Lohms (19.5 SLPM @ 50 psid; Ref. Cv = 0.022)	Inlet: Vac - 50 psig Differential: 50 psid (max)	540	FKM	PPA	
		LHDA1270290D	45	12			550	FKM	PPA	
	3-Way (Common Inlet)		LHDB0323180D	5	2.5	800 Lohms (10.1 SLPM @ 15 psid; Ref. Cv = 0.025)	Inlet: Vac - 45 psig Differential: 15 psid (max)	520	Silicone	PPS
			LHDB0623180D	12	6			590	Silicone	PPS
			LHDB0323280D	5	2.5			520	FKM	PPA
			LHDB0623280D	12	6			590	FKM	PPA
Ported	3-Way (Common Inlet)	LHDB0333180D	5	2.5	800 Lohms (10.1 SLPM @ 15 psid; Ref. Cv = 0.025)	Inlet: Vac - 45 psig Differential: 15 psid (max)	520	Silicone	PPS	
		LHDB0633180D	12	6			590	Silicone	PPS	
		LHDB0333280D	5	2.5			520	FKM	PPA	
		LHDB0633280D	12	6			590	FKM	PPA	
		LHDB0333280D	5	2.5			520	FKM	PPA	
		LHDB0633280D	12	6			590	FKM	PPA	

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Plug-In Manifold

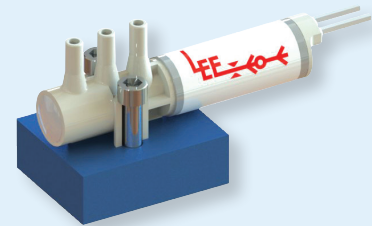
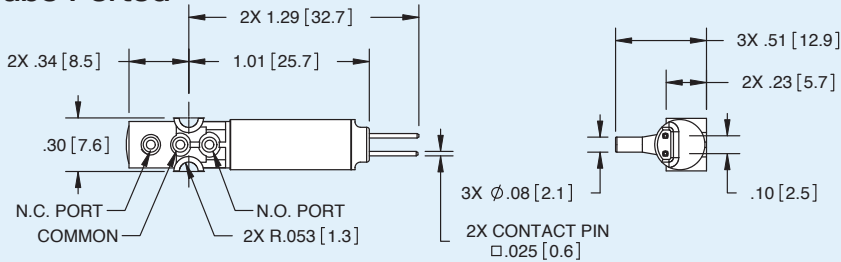


Face Mount Manifold

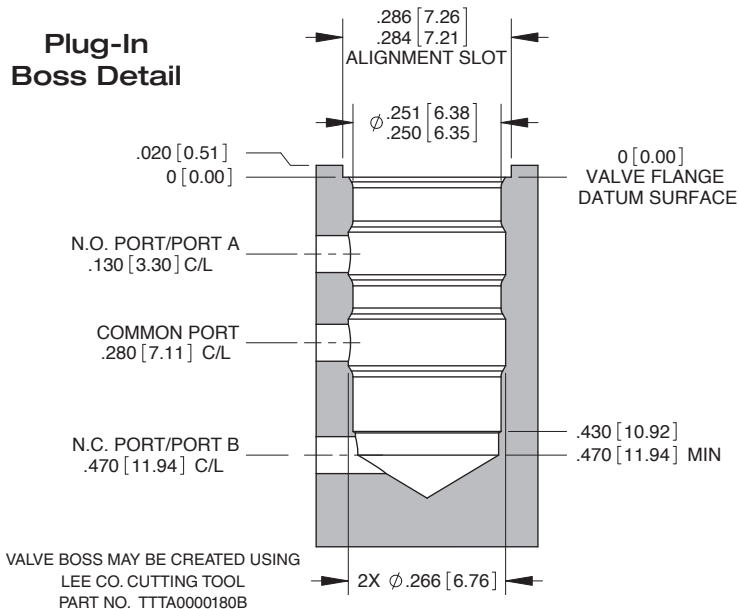


* MOUNTING SCREW (LHWX0213420A)
SCREW SUPPORT (LHDX0307140A)

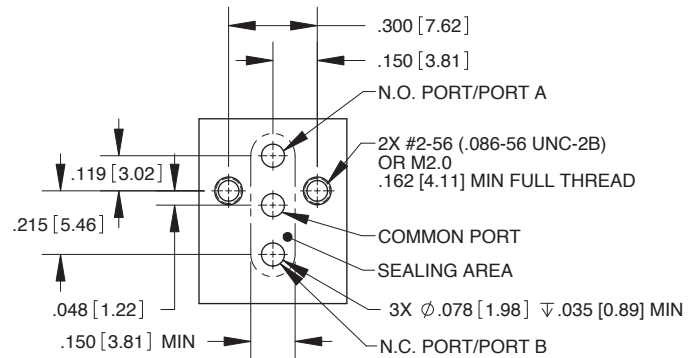
Soft Tube Ported



Plug-In Boss Detail



Face Mount Boss Detail



Reference Drawing Number LFIX1001150A for Face Mount Boss Details.

NOTES: (1) All dimensions are in inches [mm].
(2) Boss detail drawings not to scale.

Reference Drawing Number LCFX0300100B for Plug-In Boss Details.