

LO-LOHM HIGH DENSITY INTERFACE (HDI) SOLENOID VALVE

The Lee Company's High Density Interface (HDI) solenoid valve just got better by offering more flow capacity without sacrificing size and weight. Imagine the features of a large valve coupled with the superior performance of a miniature valve in one compact design.

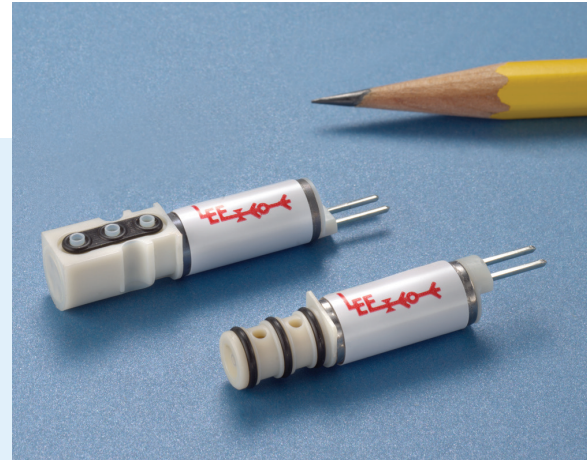
A spike and hold voltage drive is used to achieve an extended flow and pressure range. Refer to the table on the right for spike actuation voltage requirements at 50 psid. The graph directly below shows the spike actuation voltage requirement for lower pressure operation.

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.

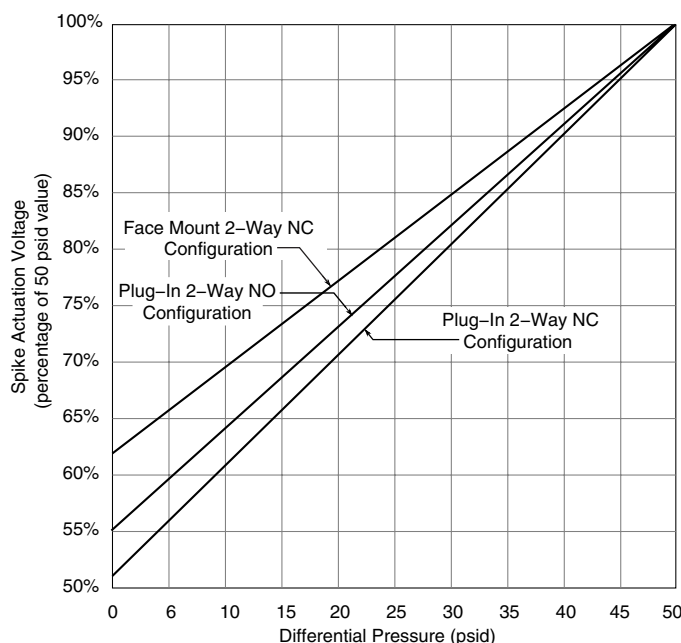
See dimensional drawings on reverse.

- Compact Size
- Light Weight: Less Than 4.5 grams
- Operating Pressure Range: Vac - 50 psig (0-50 psid)
- Spike & Hold Voltage Drive Required
- Electrical Connection: 0.025" Sq. Pin
- Wetted Materials: PPA, PBT, 316SS, 430F SS, FKM, Epoxy
- Operating Temperature Range: 40°F to 120°F

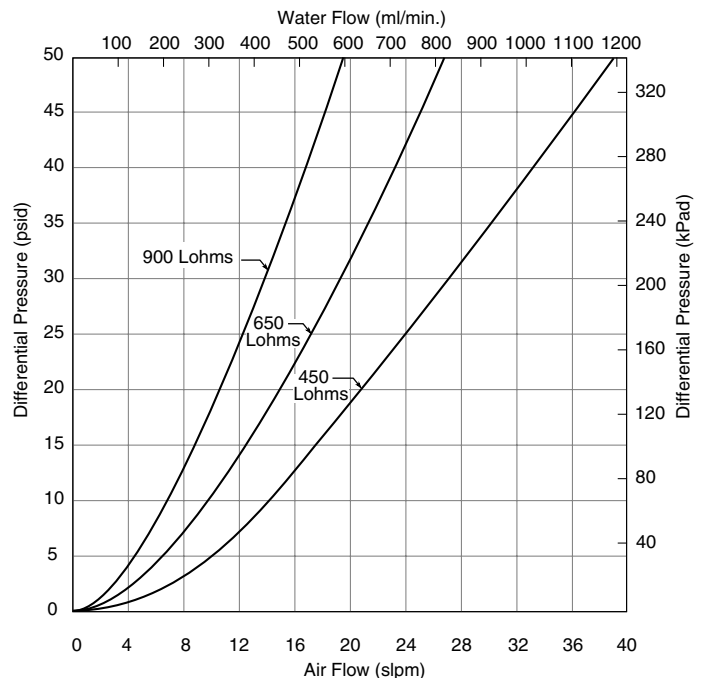


STYLE	CONFIGURATION	LEE PART NUMBER	FLOW CAPACITY	SPIKE ACTUATION VOLTAGE (vdc) @ 50 psid	HOLD VOLTAGE (vdc)
Plug-In	2-Way NC (Common Inlet)	LHDA0560245D	450 Lohms	15	5
		LHDA1260245D	(39 SLPM @ 50 psid; Cv = 0.044)	32	12
		LHDA2460245D		64	24
	2-Way NO (NO Inlet)	LHDA0560365D	650 Lohms	11	5
		LHDA1260365D	(27 SLPM @ 50 psid; Cv = 0.031)	25	12
		LHDA2460365D		50	24
Face Mount	2-Way NC (Common Inlet)	LHDA0570290D	900 Lohms	19	5
		LHDA1270290D	(19 SLPM @ 50 psid; Cv = 0.022)	45	12
		LHDA2470290D		90	24

Spike Actuation Voltage vs. Differential Pressure

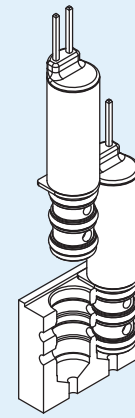
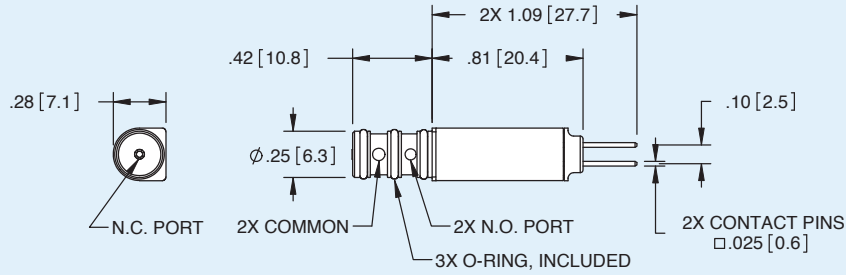


Flow Performance Characteristics

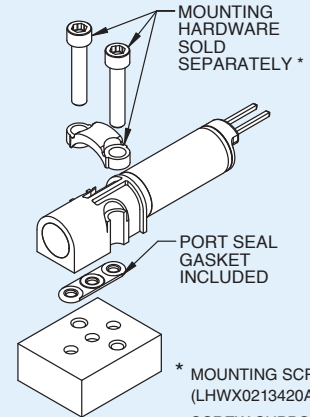
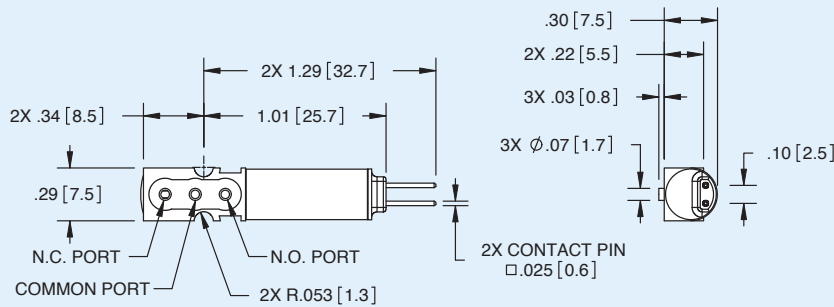


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Plug-In Manifold

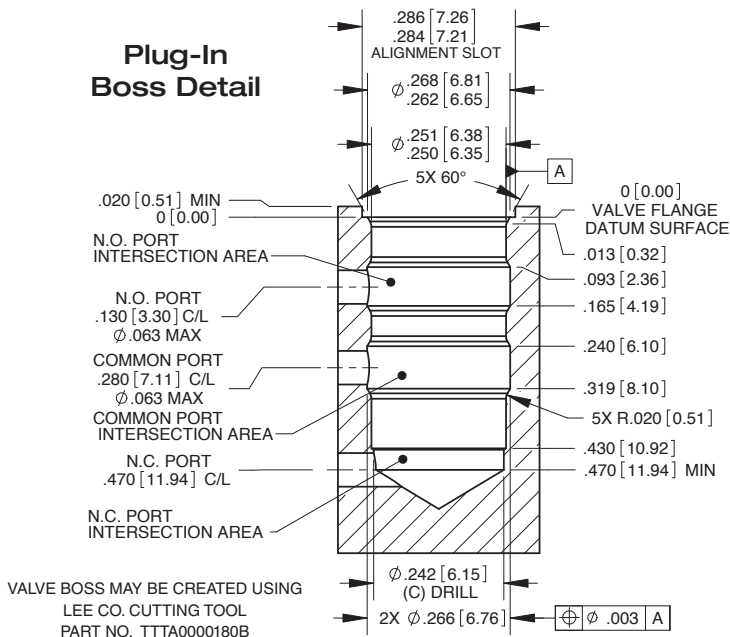


Face Mount Manifold

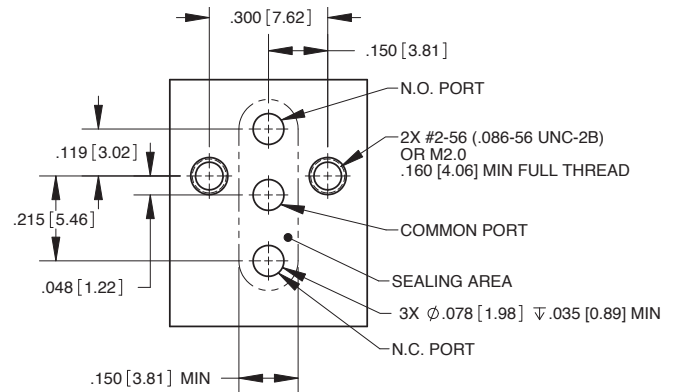


* MOUNTING SCREW (LHWX0213420A)
SCREW SUPPORT (LHDX0307140A)

Plug-In Boss Detail



Face Mount Boss Detail



NOTE: SECONDARY RETENTION IS NECESSARY ON THE PLUG-IN STYLE VALVE FOR OPERATING PRESSURES ABOVE 15 PSIG.

NOTE: Boss detail drawings not to scale.