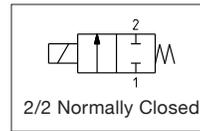


- The S Series solenoid valves are designed for use with air and inert gases
- Compact light-weight architecture and low power consumption make them ideal for portable medical devices
- Larger orifice sizes and vacuum capability make these valves extremely versatile across multiple disciplines
- Available in a variety of different porting configurations for manifold and in-line mounting
- Meets all relevant CE directives, and is RoHS compliant
- Typical applications include:
 - Respiratory Therapy
 - Anesthesia Delivery
 - Dental
 - Industrial Gas Analyzers

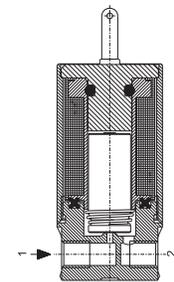


Fluids*	Temperature Range	Seal Materials*
Air or Inert Gases ¹	-23 °C to 66 °C (-10 °F to 150 °F)	FKM (fluoroelastomer)

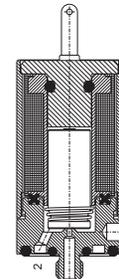
¹ Filtered at 10µm

* Ensure that the compatibility of the fluids in contact with the materials is verified

General Valve Information	
Body	Stainless steel
Seals	FKM (fluoroelastomer), EPDM (ethylenepropylene) on request
Others	Stainless steel
Response Time	< 10ms
Vacuum Rating	-1 bar (-14.5 psi)



2/2 NC Line Mount



2/2 NC Manifold Mount

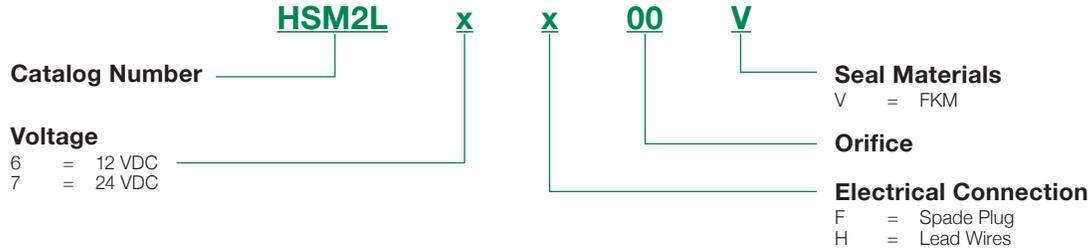
Electrical Characteristics	
Standard Voltages	12 VDC, 24 VDC
Power Consumption	0.65, 2.0 W

Insulation Class	Coil Insulation	Protection	Power Ratings				Ambient Temperature Range	Electrical Connection	Type ¹
			Inrush	Holding		Hot/Cold			
	°C (°F)	VA	VA	VA	W	W	°C (°F)		
B	-	IP40 (EN 60529)	-	-	-	1.5/1.5	-23 to 66 (-10 to 150)	Spade plug or lead wires 20 AWG, length 300mm (11.8in)	01

¹ Refer to the dimensional drawings on the following page

Specifications										
Connection	Orifice Size	Flow Coefficient		Pressure Differential bar (psi)			Power Coil		Catalog Number	
		Kv (m ³ /h)	Cv	min.	max.		W	Threaded Body	Screw-in Type Body	
	mm (inches)				air and gases					
2/2 NC - Normally Closed										
M5	0.75 (0.03)	0.016	0.018	-0.9 (-13)	-	7 (102)	-	1.5	HSM2Lxx00V	HSM2Mxx00V
	1 (0.04)	0.025	0.029	-0.9 (-13)	-	7 (102)	-	1.5	HSM2Lxx10V	HSM2Mxx10V
	2 (0.08)	0.058	0.067	-0.9 (-13)	-	3.5 (51)	-	1.5	HSM2Lxx50V	HSM2Mxx50V

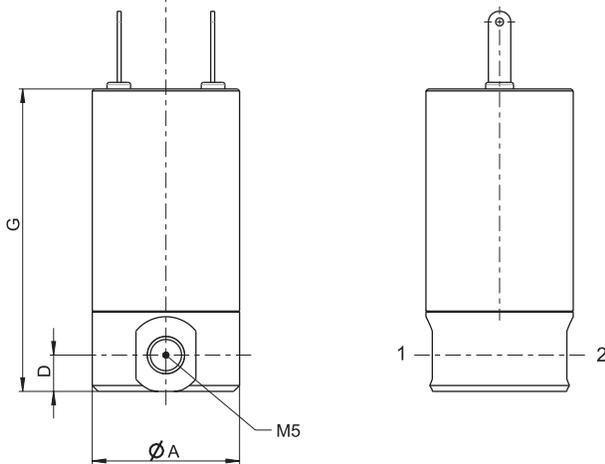
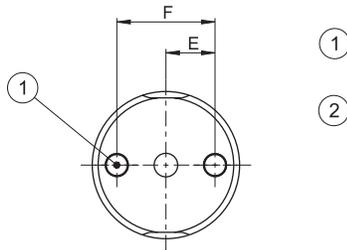
How to Order



Dimensions: mm (inches)

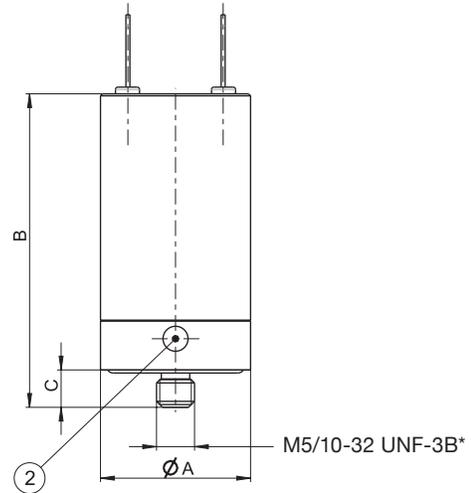
Dimensional Drawings

HSM2Lxx00V/HSM2Lxx10V/HSM2Lxx50V
HSM2Lxx00V/HSM2Lxx10V/HSM2Lxx50V



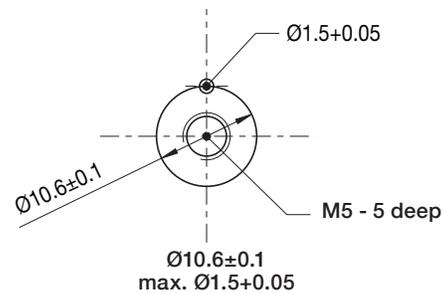
- ① 2 mounting holes $\text{Ø}M3 \times 0.5$
- ② Mounting with hook spanner wrench DIN 1810B

HSM2Mxx00V/HSM2Mxx10V/HSM2Mxx50V
HSM2Mxx00V/HSM2Mxx10V/HSM2Mxx50V



* Supplied with 10-32 UNF-3B male thread compatible with M5 female counter-thread

Screw-in Mounting Pattern



Connection Type	Catalog Number	A	B	C	D	E	F	G
threaded body	HSM2Lxx00V/HSM2Lxx10V/HSM2Lxx50V HSM2Lxx00V/HSM2Lxx10V/HSM2Lxx50V	19.05 (0.75)	-	-	4.7 (0.18)	6.35 (0.25)	12.7 (0.50)	39.11 (1.54)
screw-in type body	HSM2Mxx00V/HSM2Mxx10V/HSM2Mxx50V HSM2Mxx00V/HSM2Mxx10V/HSM2Mxx50V	19.05 (0.75)	39.62 (1.56)	4.8 (0.19)	-	-	-	-

Options

- Seals made from EPDM (ethylene-propylene) available on request
- Oxygen service

Installation

- The solenoid valves can be mounted in any position without affecting operation
- Threaded solenoid valves have 2 mounting holes in body