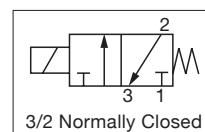
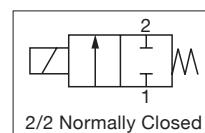


ASCO™ MINIATURE SOLENOID VALVES

GENERAL SERVICE VALVES

- 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), (EPDM on request)

¹ Filtered at 10µm

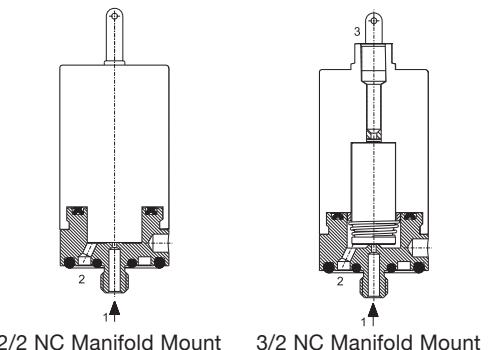
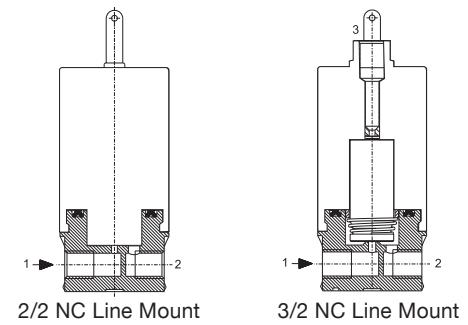
* Ensure that the compatibility of the materials in contact with the fluids is verified.

General Valve Information

Body	Stainless steel
Others	Stainless steel
Response Time	< 10ms
Vacuum Rating	-1 bar (-14.5 psi)

Electrical Characteristics

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



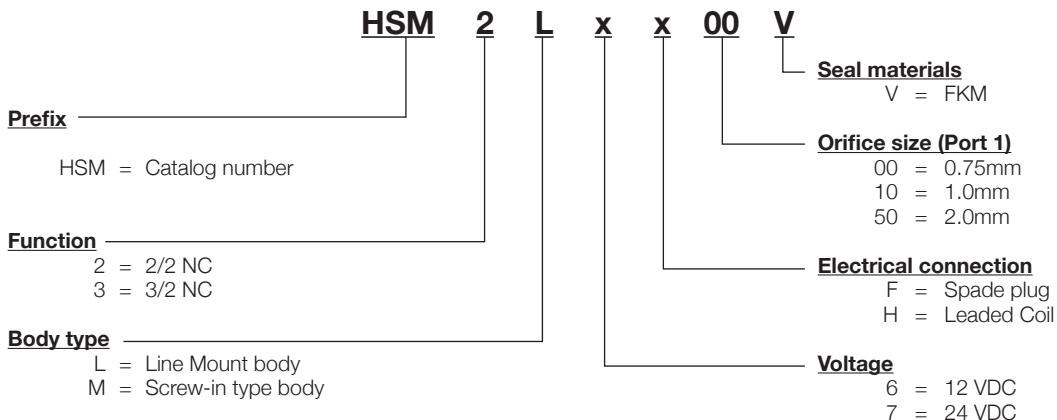
Insulation Class	Coil Insulation	Protection	Power Ratings			Ambient Temperature Range	Electrical Connection	Type ¹
			Inrush	Holding	Hot/Cold			
			°C (°F)	VA	VA	W	W	°C (°F)
B	-	IP40 (EN 60529)	-	-	-	1.5/1.5	-23 to 66 (-10 to 150)	Spade plug or lead wires 20 AWG, length 300mm (11.8in)

¹ Refer to the dimensional drawings on the following page

Specifications

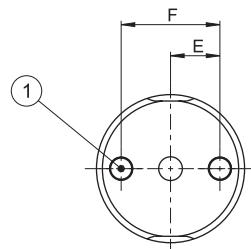
Connection	Orifice Size	Flow Coefficient	Operating Pressure, bar (psi)			Power Rating	Catalog Number				
			min.	max.			air and gases	W	Line Mount Body	Screw-in Type Body	
				mm (inches)	Kv (m³/h)	Cv					
2/2 NC - Normally Closed											
M5	0.75 (0.03)	0.025	0.016	-0.9 (-13)	-	7 (102)	-	1.5	HSM2Lxx00V	HSM2Mxx00V	
	1 (0.04)	0.041	0.027	-0.9 (-13)	-	7 (102)	-	1.5	HSM2Lxx10V	HSM2Mxx10V	
	2 (0.08)	0.085	0.057	-0.9 (-13)	-	3.5 (51)	-	1.5	HSM2Lxx50V	HSM2Mxx50V	
3/2 NC - Normally Closed											
M5	0.75 (0.03)	1 (0.04)	0.025	0.016	-0.9 (-13)	-	7 (102)	-	1.5	HSM3Lxx00V	HSM3Mxx00V
	1 (0.04)	1 (0.04)	0.041	0.027	-0.9 (-13)	-	7 (102)	-	1.5	HSM3Lxx10V	HSM3Mxx10V
	2 (0.08)	1 (0.04)	0.085	0.057	-0.9 (-13)	-	3.5 (51)	-	1.5	HSM3Lxx50V	HSM3Mxx50V

How to Order

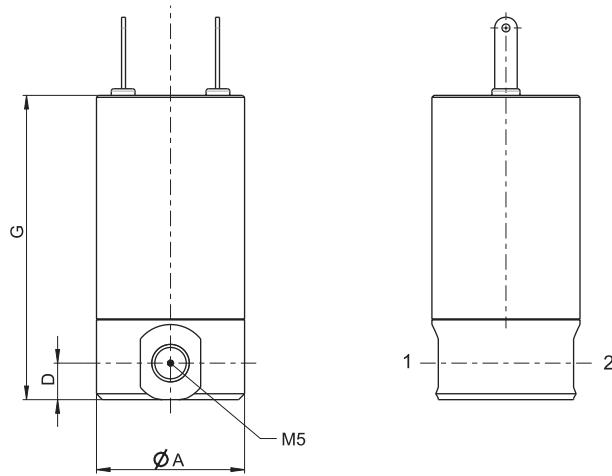


Dimensions: mm (inches)

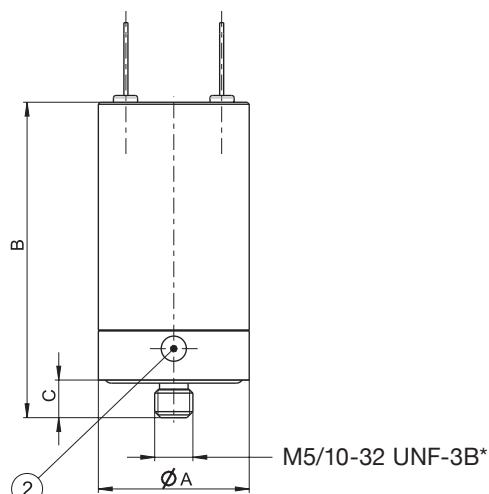
HSM2Lxx00V/HSM2Lxx10V/HSM2Lxx50V
HSM2Mxx00V/HSM2Mxx10V/HSM2Mxx50V



① 2 mounting holes
ØM3x0.5
② Mounting with hook
spanner wrench DIN 1810B

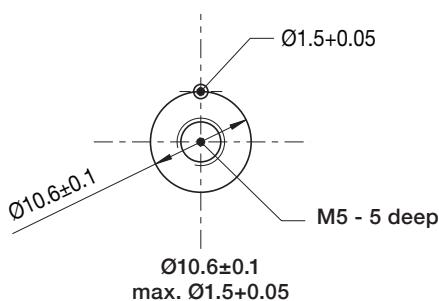


① 2 mounting holes ØM3x0.5
② Mounting with hook spanner wrench DIN 1810B



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

Screw-in Mounting Pattern



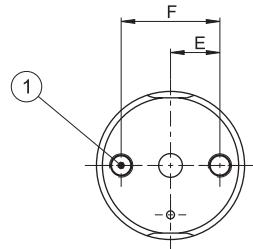
Connection Type	Catalog Number	A	B	C	D	E	F	G
Line Mount body	HSM2Lxx00V/HSM2Lxx10V/HSM2Lxx50V	19.05 (0.75)	-	-	4.7 (0.18)	6.35 (0.25)	12.7 (0.50)	39.11 (1.54)
Screw-in type body	HSM2Mxx00V/HSM2Mxx10V/HSM2Mxx50V	19.05 (0.75)	39.62 (1.56)	4.8 (0.19)	-	-	-	-

ASCO™ MINIATURE SOLENOID VALVES

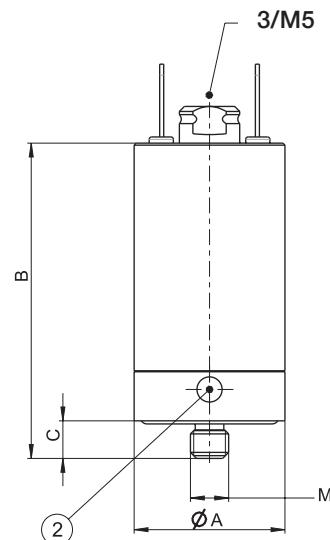
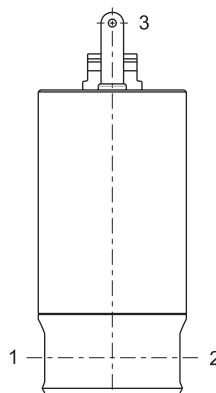
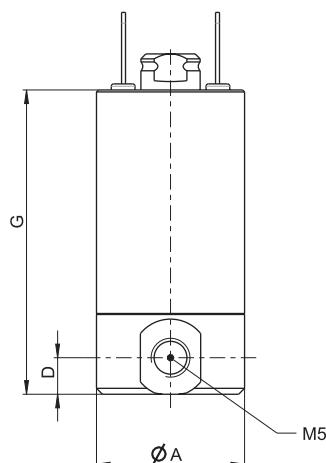
GENERAL SERVICE VALVES

Dimensions: mm (inches)

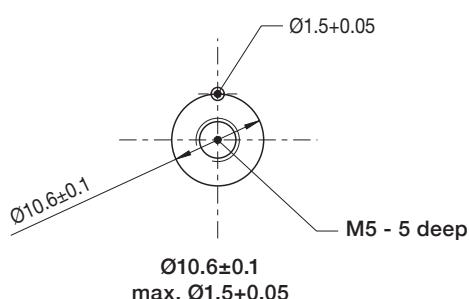
HSM3Lxx00V/HSM3Lxx10V/HSM3Lxx50V
HSM3Mxx00V/HSM3Mxx10V/HSM3Mxx50V



- ① 2 mounting holes ØM3x0.5
- ② Mounting with hook spanner wrench DIN 1810B



Manifold Mounting Pattern



Connection Type	Catalog Number	A	B	C	D	E	F	G
Line Mount body	HSM3Lxx00V/HSM3Lxx10V/HSM3Lxx50V	19.05 (0.75)	-	-	4.7 (0.18)	6.35 (0.25)	12.7 (0.50)	39.11 (1.54)
Screw-in type body	HSM3Mxx00V/HSM3Mxx10V/HSM3Mxx50V	19.05 (0.75)	39.62 (1.56)	4.8 (0.19)	-	-	-	-

Options

- EPDM seals available on request
- Oxygen service
- Other pipe connections available on request (10-32 UNF-3B)

Installation

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

