



NEXT GENERATION SOLENOID VALVE-SM SERIES
SOLENOID VALVE PATENT NUMBER:ZL 2015 2 0192971.0
COIL PATENT NUMBER:ZL 2015 2 0454099.2

Low Power Strong Thrust Solenoid Valve



Characteristics of SM coil :

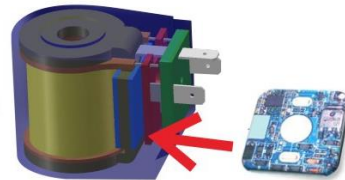
1. Power will be 1/4 of the original coil
2. Working long time will no get heat and long life cycle
3. Coil put tension enhanced 3 times faster response speed
4. Significantly lowering the controller power
5. Suit for super high pressure solenoid valve
No need larger power coil
6. Suitable for all kinds of AC/DC solenoid valve

Parameters of the solenoid valve with old type& new type coil

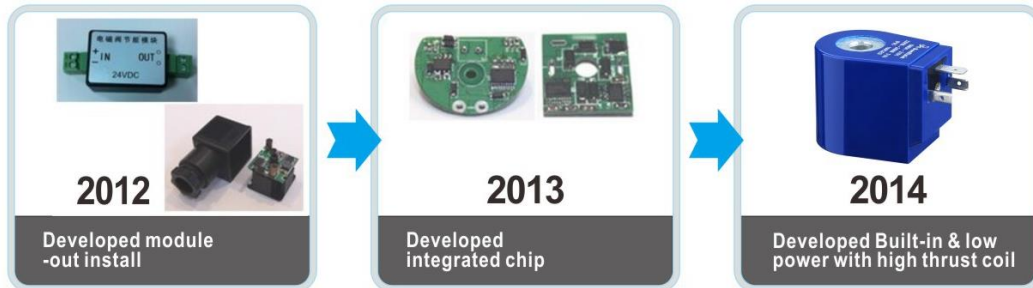
Point	Standard coil	New type coil
Orifice	3.00 mm	3.00 mm
Power consumption	12W/22VA	3W/4.5VA
Max working pressure	13bar	50bar
Coil temp.	≥80℃	≤50℃
Noise	AC maybe has the noise	AC no noise
coil life cycle	≤1,000,000	≥50,000,00

Green technology :

Low Power Strong Thrust Solenoid Valve Innovation Research And Application



They key technology and research process



SMS Series 2/2-way Direct Acting Solenoid Valve-Normally Closed

Solenoid Valves Model Numbering System for Order

Position description	1	2	3	4	5	6	7	8	9	10
	Valve Series	Mode of Operation	Coil Type	Coil Class	Voltage	Seal Material	Body Material	Pipe Size	Orifice (mm)	Options
E.G.	SMS	1	M	F	02	N	1	B	05	□
	SMS	1: Normally Closed	M=SM Series Coil	F=F Class	02= AC220V AC230V 01= AC110V AC120V 13=DC24V 05=AC24V	N=NBR V=VITON E=EPDM T=PTFE	1= Forged brass 3=SS316 1= Forged brass 4=SS304 4=SS304	A=1/8" B=1/4" C=3/8" D=1/2" C=3/8" D=1/2" E=3/4" G=1" H=1 1/4" J=1 1/2" K=2" F= flange connection	02=2.0 C3=2.5 03=3.0 04=4.0 05=5.0 06=6.0 C8=7.5 04=4.0 05=5.0 06=6.0 C8=7.5 16=16.0 20=20.0 25=25.0 32=32.0 40=40.0 50=50.0 15=15.0 20=20.0 25=25.0 32=32.0 40=40.0 50=50.0	L= Neon lamp K= Mounting Bracket N=NPT P=PT R=RC T=Timer

Sanlixin Solenoid Valve

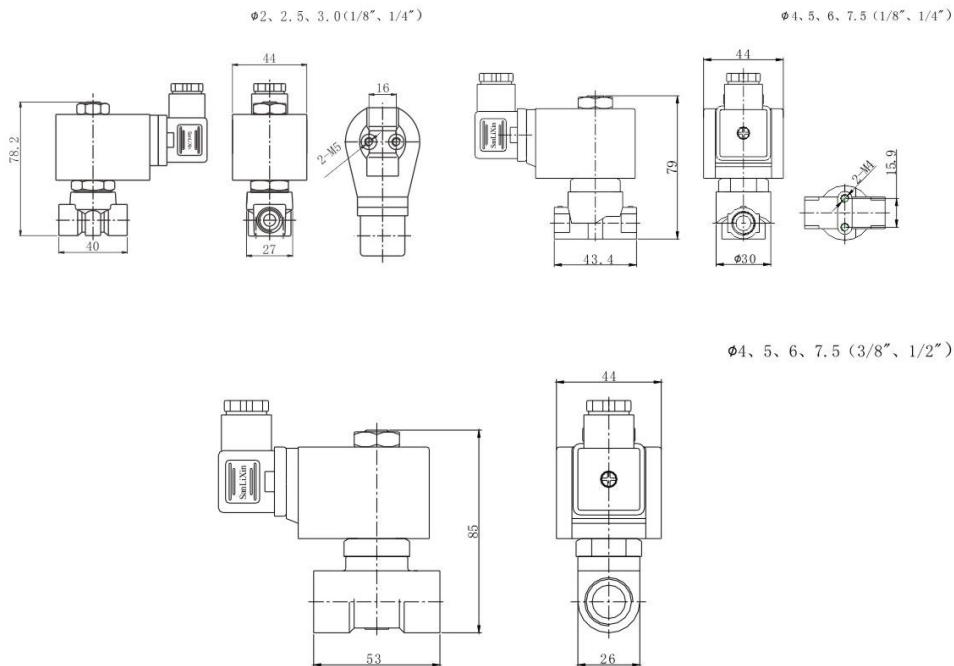
SMS Series 2/2-way Direct Acting Solenoid Valve-Normally Closed

1. 2/2-way normally closed direct acting solenoid valve, closed when de-energized, open when energized.
2. The product is special design, power will be normal type 1/4, low temperature, small in size, large flow rate, widely use.
3. Body material: Forged Brass, Stainless Steel
4. Ambient temp.: 0°C~65°C Fluids temp.: 0°C~130°C
5. Flow as the arrow, mounts in any position; Best position is solenoid vertical and upright direction.
6. Voltage: AC 220V/230V/110V/ DC 24V Voltage Tolerance: +10% to -10% applicable voltage
7. This series valve are offered NBR, VITON, EPDM etc for seals and diaphragm to provide on-off various fluids.

Normally Closed

De-energized

Energized



Sanlixin Solenoid Valve

SMS Series 2/2-way Direct Acting Solenoid Valve-Normally Closed



Valve Selection List

Pipe Conn- ection	Orifice mm	CV Factor	Operating pressure differential (kgf/cm ²)								Coil Type	Coil Class	Max. fluids Temp. °C	Model Code		Weight Kg
			Min.	Max.						Follows Voltage are 220VAC						
				Air Gas		Water Hot water Liquids		Light oil ≤20CST		Forged Brass				Stainless Steel		
				AC	DC	AC	DC	AC	DC							
3/8"	4.0	0.6	0	45	35	45	35	45	35	M	F	80	SMS1MF02N1C04	SMS1MF02N4C04	0.57	
	4.0	0.6	0	45	35	45	35			M	F	130	SMS1MF02E1C04	SMS1MF02E4C04		
	4.0	0.6	0	45	35	45	35	45	35	M	F	120	SMS1MF02V1C04	SMS1MF02V4C04		
	3/8"	5.0	0.65	0	24	16	24	16	24	16	M	F	80	SMS1MF02N1C05	SMS1MF02N4C05	0.58
		5.0	0.65	0	24	16	24	16			M	F	130	SMS1MF02E1C05	SMS1MF02E4C05	
		5.0	0.65	0	24	16	24	16	24	16	M	F	120	SMS1MF02V1C05	SMS1MF02V4C05	
		6.0	0.8	0	16	12	16	12	16	12	M	F	80	SMS1MF02N1C06	SMS1MF02N4C06	0.58
		6.0	0.8	0	16	12	16	12			M	F	130	SMS1MF02E1C06	SMS1MF02E4C06	
		6.0	0.8	0	16	12	16	12	16	12	M	F	120	SMS1MF02V1C06	SMS1MF02V4C06	
		3/8"	7.5	1.0	0	8	5	8	5	8	5	M	F	80	SMS1MF02N1CC8	SMS1MF02N4CC8
7.5	1.0		0	8	5	8	5			M	F	130	SMS1MF02E1CC8	SMS1MF02E4CC8		
7.5	1.0		0	8	5	8	5	8	5	M	F	120	SMS1MF02V1CC8	SMS1MF02V4CC8		
1/2"	4.0		0.6	0	45	35	45	35	45	35	M	F	80	SMS1MF02N1D04	SMS1MF02N4D04	0.57
	4.0		0.6	0	45	35	45	35			M	F	130	SMS1MF02E1D04	SMS1MF02E4D04	
	4.0	0.6	0	45	35	45	35	45	35	M	F	120	SMS1MF02V1D04	SMS1MF02V4D04		
	1/2"	5.0	0.65	0	24	16	24	16	24	16	M	F	80	SMS1MF02N1D05	SMS1MF02N4D05	0.57
		5.0	0.65	0	24	16	24	16			M	F	130	SMS1MF02E1D05	SMS1MF02E4D05	
		5.0	0.65	0	24	16	24	16	24	16	M	F	120	SMS1MF02V1D05	SMS1MF02V4D05	
		6.0	0.8	0	16	12	16	12	16	12	M	F	80	SMS1MF02N1D06	SMS1MF02N4D06	0.57
		6.0	0.8	0	16	12	16	12			M	F	130	SMS1MF02E1D06	SMS1MF02E4D06	
		6.0	0.8	0	16	12	16	12	16	12	M	F	120	SMS1MF02V1D06	SMS1MF02V4D06	
		1/2"	7.5	1.0	0	8	5	8	5	8	5	M	F	80	SMS1MF02N1DC8	SMS1MF02N4DC8
7.5	1.0		0	8	5	8	5			M	F	130	SMS1MF02E1DC8	SMS1MF02E4DC8		
7.5	1.0		0	8	5	8	5	8	5	M	F	120	SMS1MF02V1DC8	SMS1MF02V4DC8		

SMS 2/2-way Large diameter Direct Acting Solenoid Valve · Normally Closed

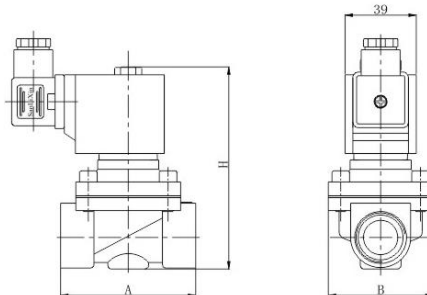
- 2/2-way normally closed direct acting solenoid valve, closed when de-energized, open when energized.
- The product is special design, power will be normal type 1/4, low temperature, small in size, large flow rate, widely use.
- Body material: Forged Brass, Stainless Steel
- Ambient temp.: 0°C~65°C Fluids temp.: 0°C~130°C
- Flow as the arrow, mounts in any position; Best position is solenoid vertical and upright direction.
- Voltage: AC 220V/230V/110V DC 24V Voltage Tolerance: +10% to -10% applicable voltage
- This series valve are offered NBR, VITON, EPDM etc for seals and diaphragm to provide on-off various fluids.



Valve Selection List

Pipe Connection	Orifice mm	CV Factor	Operating pressure differential (kgf/cm ²)								Max. fluids Temp. °C	External Dimensions Length x Width x Height A x B x H	Model Code		Weight Kg	
			Min.	Max.						AC			DC	Follows Voltage are 220VAC		
				Air Gas		Water Hot water Liquids		Light oil ≤20CST						Forged Brass		Stainless Steel
				AC	DC	AC	DC	AC	DC							
3/8"	16	4.8	0	10	10	10	10	8	8	80	69×57×103	SMS1MF02N1C16	SMS1MF02N4C16	0.87		
	16	4.8	0	10	10	10	10			130	69×57×103	SMS1MF02E1C16	SMS1MF02E4C16			
	16	4.8	0	10	10	10	10	8	8	120	69×57×103	SMS1MF02V1C16	SMS1MF02V4C16			
1/2"	16	4.8	0	10	10	10	10	8	8	80	69×57×103	SMS1MF02N1D16	SMS1MF02N4D16	0.87		
	16	4.8	0	10	10	10	10			130	69×57×103	SMS1MF02E1D16	SMS1MF02E4D16			
	16	4.8	0	10	10	10	10	8	8	120	69×57×103	SMS1MF02V1D16	SMS1MF02V4D16			
3/4"	20	7.6	0	10	10	10	10	8	8	80	73×57×110	SMS1MF02N1E20	SMS1MF02N4E20	1.04		
	20	7.6	0	10	10	10	10			130	73×57×110	SMS1MF02E1E20	SMS1MF02E4E20			
	20	7.6	0	10	10	10	10	8	8	120	73×57×110	SMS1MF02V1E20	SMS1MF02V4E20			
1"	25	12	0	10	10	10	10	8	8	80	99×77×119	SMS1MF02N1G25	SMS1MF02N4G25	1.37		
	25	12	0	10	10	10	10			130	99×77×119	SMS1MF02E1G25	SMS1MF02E4G25			
	25	12	0	10	10	10	10	8	8	120	99×77×119	SMS1MF02V1G25	SMS1MF02V4G25			
1 1/4"	32	24	0	10	10	10	10	8	8	80	112×86.5×129	SMS1MF02N1H32	SMS1MF02N4H32	2.1		
	32	24	0	10	10	10	10			130	112×86.5×129	SMS1MF02E1H32	SMS1MF02E4H32			
	32	24	0	10	10	10	10	8	8	120	112×86.5×129	SMS1MF02V1H32	SMS1MF02V4H32			
1 1/2"	40	29	0	10	10	10	10	8	8	80	123×94×139	SMS1MF02N1J40	SMS1MF02N4J40	2.5		
	40	29	0	10	10	10	10			130	123×94×139	SMS1MF02E1J40	SMS1MF02E4J40			
	40	29	0	10	10	10	10	8	8	120	123×94×139	SMS1MF02V1J40	SMS1MF02V4J40			
2"	50	48	0	10	10	10	10	8	8	80	168×123×162	SMS1MF02N1K50	SMS1MF02N4K50	4.3		
	50	48	0	10	10	10	10			130	168×123×162	SMS1MF02E1K50	SMS1MF02E4K50			
	50	48	0	10	10	10	10	8	8	120	168×123×162	SMS1MF02V1K50	SMS1MF02V4K50			

External Dimensions:



Sanlixin Solenoid Valve

SMG Series 2/2-way High Pressure Solenoid Valve-Normally Closed



Solenoid Valves Model Numbering System for Order

Pipe Conn- ection	Orifice mm	CV Factor	Operating pressure differential(kgf/cm ²)						Coil Type	Coil Class	Max. fluids Temp. °C	Model Code		Weight Kg	
			Min.	Max.								Follows Voltage are 220VAC seal material is VITON			
				Air Gas		Water Hot water Liquids		Light oil ≤20CST				Forged Brass	Stainless Steel		
				AC	DC	AC	DC	AC							DC
1/8"	1.5	0.08	0	190	170	190	170	190	170	M	F	110	-----	SMG1MF02V3AC2	0.48
	2.0	0.14	0	120	100	120	100	120	100	M	F	110	SMG1MF02V1A02	SMG1MF02V3A02	
	2.5	0.23	0	80	80	80	80	80	80	M	F	110	SMG1MF02V1AC3	SMG1MF02V3AC3	
	3.0	0.25	0	50	50	50	50	50	50	M	F	110	SMG1MF02V1A03	SMG1MF02V3A03	
1/4"	1.5	0.08	0	190	170	190	170	190	170	M	F	110	-----	SMG1MF02V3BC2	0.47
	2.0	0.14	0	120	100	120	100	120	100	M	F	110	SMG1MF02V1B02	SMG1MF02V3B02	
	2.5	0.23	0	80	80	80	80	80	80	M	F	110	SMG1MF02V1BC3	SMG1MF02V3BC3	
	3.0	0.25	0	50	50	50	50	50	50	M	F	110	SMG1MF02V1B03	SMG1MF02V3B03	
3/8"	8.0	1.0	1	110	90	110	90	110	90	M	F	110	SMG1MF02V1B08	SMG1MF02V3B08	1.18
	3.0	0.25	0	50	50	50	50	50	50	M	F	110	SMG1MF02V1C03	SMG1MF02V3C03	1.17
	4.0	0.6	0	30	24	30	24	30	24	M	F	110	SMG1MF02V1C04	SMG1MF02V3C04	0.47
	8.0	1.2	1	110	90	110	90	110	90	M	F	110	SMG1MF02V1C08	SMG1MF02V4C08	1.16
1/2"	15	4.2	1	100	100	100	100	100	100	M	F	110	SMG1MF02V1C15	SMG1MF02V4C15	1.35
	8.0	1.2	1	110	90	110	90	110	90	M	F	110	SMG1MF02V1D08	SMG1MF02V4D08	1.15
3/4"	15	4.2	1	100	100	100	100	100	100	M	F	110	SMG1MF02V1D15	SMG1MF02V4D15	1.25
	20	7	1	80	80	80	80	80	80	M	F	110	SMG1MF02V1E20	SMG1MF02V4E20	1.53
1"	25	11	1	65	65	65	65	65	65	M	F	110	SMG1MF02V1G25	SMG1MF02V4G25	2.27

ø8 (1/4", 3/8", 1/2")

