

ZS Compact Series 2/2-Way Direct Acting Solenoid Valve · Normally Closed

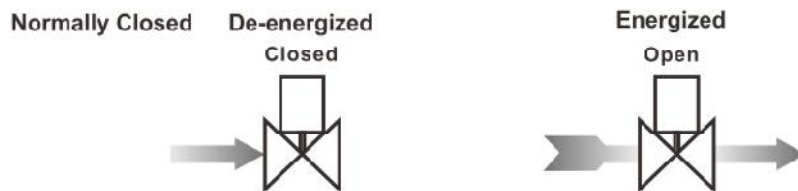
Solenoid Valves Numbering System for Order

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.	ZS	1	D	F	02	N	1	E	20	
	ZS Series	1: Normally Closed 2: Normally Open	D: DIN Standard Connections, Fully Encapsulated A: Metallic Housing, DIN Standard N= Lead wires water-tight Fully Encapsulated (for orifice under ϕ 25mm only) X: Explosion-proof S: NASS Coil M: SM Coil	F: F Class H: H Class	02=AC220V AC230V 01=AC110V AC120V 03=AC36V 04=AC48V 05=AC24V 08=AC380V 12=DC12V 13=DC24V	N=NBR V=VITON E=EPDM (for orifice under ϕ 25mm only) G=Silicone	1=Forged Brass 4= SS304 9=Forged Brass 1=Forged Brass 4= SS304 2: Cast Brass 1: Forged Brass 2: Cast Brass 1: Forged Brass 2: Cast Brass 1: Forged Brass 4= SS304	A=1/8" B=1/4" C=3/8" C=3/8" D=1/2" 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	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 10=10.0 16=16.0 20=20.0 25=25.0 32=32.0 35=35.0 40=40.0 25=25.0 35=35.0 40=40.0 50=50.0 65=65.0 80=80.0 100=100.0	M= Manual Override L= Neon lamp N= NPT pipe size K= Mounting Bracket Y= Sensor

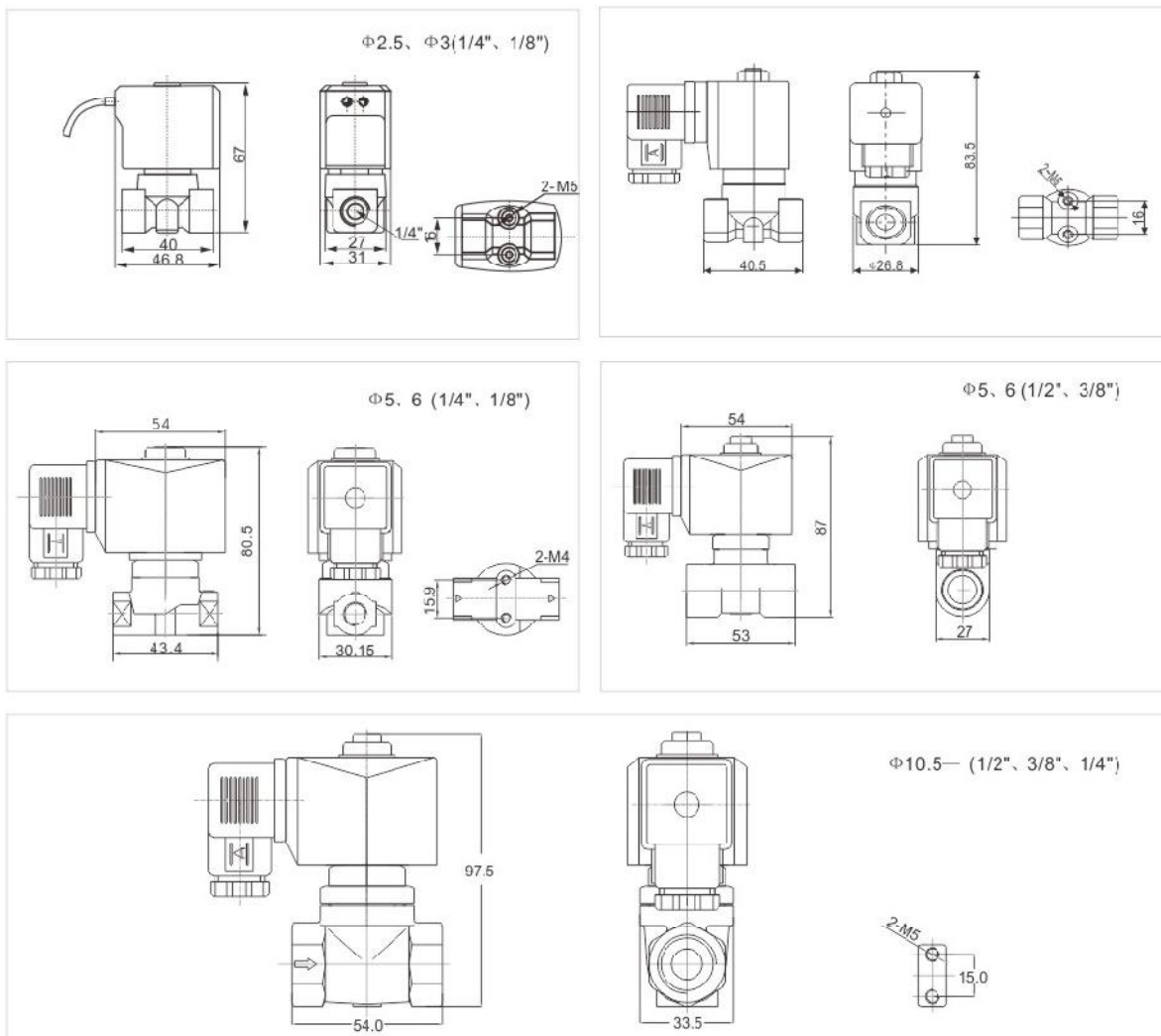
Sanlixin Solenoid Valve

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- 1: 2-Way normally closed solenoid valve, Closed when de-energized, open when energized. Body material: brass
- 2: Max. Allowable pressure 16kgf/cm²; Fluids Temp: 0℃~120℃
- 3: Serialized products, small in size, large flow rate, widely use
- 4: Flow as the arrow, mounts in any position; Best position is solenoid vertical and upright direction.
- 5: Voltage: 220VAC/230VAC/240VAC/110VAC/24VAC 50/60HZ 24VDC/12VDC; Voltage Tolerance: +10% to -10% applicable voltage
- 6: Coil can fix Germany Nass Coil, for orifice under DN25 only.
- 7: This series valves are offered NBR, VITON, EPDM etc for Seats and diaphragm to provide on-off control of various fluids.
- 8: Coil can fix SM Coil. AC 220V/AC110V/AC24V/DC24V



External Dimensions Chart



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Valve Selection List

Pipe Conn- ection	Orifice mm	CV Factor	Operating pressure differential (kgf/cm ²)							Max. fluids Temp. ℃	Coil Type	Power consumption		Coil Class	Model Code Follows Voltage are 220VAC		Weight (KG)	
			Min.	Max.								VA 220V	W 24V		Body material:			
				Air Gas		Water Hot water Liquids		Light oil ≤ 20CST										
				AC	DC	AC	DC	AC	DC									Forged brass
	1/8 "	2.5	0.23	0	7	5	7	5	7	5	80	N	13	8.5	B	ZS1NF02N1AC3	ZS1NF02N4AC3	0.35
2.5		0.23	0	7	5	7	5			120	N	13	8.5	B	ZS1NF02E1AC3	ZS1NF02E4AC3	0.35	
2.5		0.23	0	7	5	7	5	7	5	120	N	13	8.5	B	ZS1NF02V1AC3	ZS1NF02V4AC3	0.35	
3		0.3	0	5	4	5	4	5	4	80	N	13	8.5	B	ZS1NF02N1A03	ZS1NF02N4A03	0.35	
3		0.3	0	5	4	5	4			120	N	13	8.5	B	ZS1NF02E1A03	ZS1NF02E4A03	0.35	
3		0.3	0	5	4	5	4	5	4	120	N	13	8.5	B	ZS1NF02V1A03	ZS1NF02V4A03	0.35	
1/8 "	5	0.65	0	6	4	6	4	4	3	80	D	20	20	F	ZS1DF02N1A05	ZS1DF02N4A05	0.46	
	5	0.65	0	6	4	6	4			120	D	20	20	F	ZS1DF02E1A05	ZS1DF02E4A05	0.46	
	5	0.65	0	6	4	6	4	4	3	120	D	20	20	F	ZS1DF02V1A05	ZS1DF02V4A05	0.46	
	6	0.8	0	4	2.5	4	2.5	3	2.5	80	D	20	20	F	ZS1DF02N1A06	ZS1DF02N4A06	0.46	
	6	0.8	0	4	2.5	4	2.5			120	D	20	20	F	ZS1DF02E1A06	ZS1DF02E4A06	0.46	
	6	0.8	0	4	2.5	4	2.5	3	2.5	120	D	20	20	F	ZS1DF02V1A06	ZS1DF02V4A06	0.46	
	7.5	1.0	0	1.5	1	1.5	1	1.5	1	80	D	20	20	F	ZS1DF02N1AC8	ZS1DF02N4AC8	0.45	
	7.5	1.0	0	1.5	1	1.5	1			120	D	20	20	F	ZS1DF02E1AC8	ZS1DF02E4AC8	0.45	
	7.5	1.0	0	1.5	1	1.5	1	1.5	1	120	D	20	20	F	ZS1DF02V1AC8	ZS1DF02V4AC8	0.45	
1/4 "	2.5	0.23	0	7	5	7	5	7	5	80	N	13	8.5	B	ZS1NF02N1BC3	ZS1NF02N4BC3	0.34	
	2.5	0.23	0	7	5	7	5			120	N	13	8.5	B	ZS1NF02E1BC3	ZS1NF02E4BC3	0.34	
	2.5	0.23	0	7	5	7	5	7	5	120	N	13	8.5	B	ZS1NF02V1BC3	ZS1NF02V4BC3	0.34	
	3	0.3	0	5	4	5	4	5	4	80	N	13	8.5	B	ZS1NF02N1B03	ZS1NF02N4B03	0.34	
	3	0.3	0	5	4	5	4			120	N	13	8.5	B	ZS1NF02E1B03	ZS1NF02E4B03	0.34	
	3	0.3	0	5	4	5	4	5	4	120	N	13	8.5	B	ZS1NF02V1B03	ZS1NF02V4B03	0.34	
1/4 "	5	0.65	0	6	4	6	4	4	3	80	D	20	20	F	ZS1DF02N1B05	ZS1DF02N4B05	0.45	
	5	0.65	0	6	4	6	4			120	D	20	20	F	ZS1DF02E1B05	ZS1DF02E4B05	0.45	
	5	0.65	0	6	4	6	4	4	3	120	D	20	20	F	ZS1DF02V1B05	ZS1DF02V4B05	0.45	
	6	0.8	0	4	2.5	4	2.5	3	2.5	80	D	20	20	F	ZS1DF02N1B06	ZS1DF02N4B06	0.45	
	6	0.8	0	4	2.5	4	2.5			120	D	20	20	F	ZS1DF02E1B06	ZS1DF02E4B06	0.45	
	6	0.8	0	4	2.5	4	2.5	3	2.5	120	D	20	20	F	ZS1DF02V1B06	ZS1DF02V4B06	0.45	
	7.5	1.0	0	1.5	1	1.5	1	1.5	1	80	D	20	20	F	ZS1DF02N1BC8	ZS1DF02N4BC8	0.44	
	7.5	1.0	0	1.5	1	1.5	1			120	D	20	20	F	ZS1DF02E1BC8	ZS1DF02E4BC8	0.44	
	7.5	1.0	0	1.5	1	1.5	1	1.5	1	120	D	20	20	F	ZS1DF02V1BC8	ZS1DF02V4BC8	0.44	

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Pipe Conn- ection	Orifice mm	CV Factor	Operating pressure differential (kgf/cm ²)							Max. fluids Temp. °C	Coil Type	Power consumption		Coil Class	Model Code Follows Voltage are 220VAC		Weight (KG)
			Min.	Max.								VA AC 220V	W DC 24V		Body material:		
				Air Gas		Water Hot water Liquids		Light oil ≤20CST									
				AC	DC	AC	DC	AC	DC							Forged brass	
3/8"	4	0.6	0	8	5	8	5	5	5	80	D	20	20	F	ZS1DF02N1C04	ZS1DF02N4C04	0.6
	4	0.6	0	8	5	8	5			120	D	20	20	F	ZS1DF02E1C04	ZS1DF02E4C04	0.6
	4	0.6	0	8	5	8	5	5	5	120	D	20	20	F	ZS1DF02V1C04	ZS1DF02V4C04	0.6
	5	0.65	0	6	4	6	4	4	3	80	D	20	20	F	ZS1DF02N1C05	ZS1DF02N4C05	0.51
	5	0.65	0	6	4	6	4			120	D	20	20	F	ZS1DF02E1C05	ZS1DF02E4C05	0.51
	5	0.65	0	6	4	6	4	4	3	120	D	20	20	F	ZS1DF02V1C05	ZS1DF02V4C05	0.51
	6	0.8	0	4	2.5	4	2.5	3	2.5	80	D	20	20	F	ZS1DF02N1C06	ZS1DF02N4C06	0.51
	6	0.8	0	4	2.5	4	2.5			120	D	20	20	F	ZS1DF02E1C06	ZS1DF02E4C06	0.51
	6	0.8	0	4	2.5	4	2.5	3	2.5	120	D	20	20	F	ZS1DF02V1C06	ZS1DF02V4C06	0.51
	7.5	1.0	0	1.5	1	1.5	1	1.5	1	80	D	20	20	F	ZS1DF02N1CC8	ZS1DF02N4CC8	0.49
	7.5	1.0	0	1.5	1	1.5	1			120	D	20	20	F	ZS1DF02E1CC8	ZS1DF02E4CC8	0.49
	7.5	1.0	0	1.5	1	1.5	1	1.5	1	120	D	20	20	F	ZS1DF02V1CC8	ZS1DF02V4CC8	0.49
	10	1.6	0	0.5	0.3	0.5	0.3	0.4	0.2	80	D	20	20	F	ZS1DF02N1C10	ZS1DF02N4C08	0.62
	10	1.6	0	0.5	0.3	0.5	0.3			120	D	20	20	F	ZS1DF02E1C10	ZS1DF02E4C08	0.62
	10	1.6	0	0.5	0.3	0.5	0.3	0.4	0.2	120	D	20	20	F	ZS1DF02V1C10	ZS1DF02V4C08	0.62
1/2"	4	0.6	0	8	5	8	4	4	3	80	D	20	20	F	ZS1DF02N1D04	ZS1DF02N4D04	0.48
	4	0.6	0	8	5	8	4			120	D	20	20	F	ZS1DF02E1D04	ZS1DF02E4D04	0.48
	4	0.6	0	8	5	8	5	5	5	120	D	20	20	F	ZS1DF02V1D04	ZS1DF02V4D04	0.48
	5	0.65	0	6	4	6	5	5	5	80	D	20	20	F	ZS1DF02N1D05	ZS1DF02N4D05	0.48
	5	0.65	0	6	4	6	5			120	D	20	20	F	ZS1DF02E1D05	ZS1DF02E4D05	0.48
	5	0.65	0	6	4	6	4	4	3	120	D	20	20	F	ZS1DF02V1D05	ZS1DF02V4D05	0.48
	6	0.8	0	4	2.5	4	2.5	3	2.5	80	D	20	20	F	ZS1DF02N1D06	ZS1DF02N4D06	0.46
	6	0.8	0	4	2.5	4	2.5			120	D	20	20	F	ZS1DF02E1D06	ZS1DF02E4D06	0.46
	6	0.8	0	4	2.5	4	2.5	3	2.5	120	D	20	20	F	ZS1DF02V1D06	ZS1DF02V4D06	0.46
	7.5	1.0	0	1.5	1	1.5	1	1.5	1	80	D	20	20	F	ZS1DF02N1DC8	ZS1DF02N4DC8	0.45
	7.5	1.0	0	1.5	1	1.5	1			120	D	20	20	F	ZS1DF02E1DC8	ZS1DF02E4DC8	
	7.5	1.0	0	1.5	1	1.5	1	1.5	1	120	D	20	20	F	ZS1DF02V1DC8	ZS1DF02V4DC8	
	10	1.65	0	0.5	0.3	0.5	0.3	0.4	0.2	80	D	20	20	F	ZS1DF02N1D10	ZS1DF02N4D08	0.59
	10	1.65	0	0.5	0.3	0.5	0.3			120	D	20	20	F	ZS1DF02E1D10	ZS1DF02E4D08	
	10	1.65	0	0.5	0.3	0.5	0.3	0.4	0.2	120	D	20	20	F	ZS1DF02V1D10	ZS1DF02V4D08	