

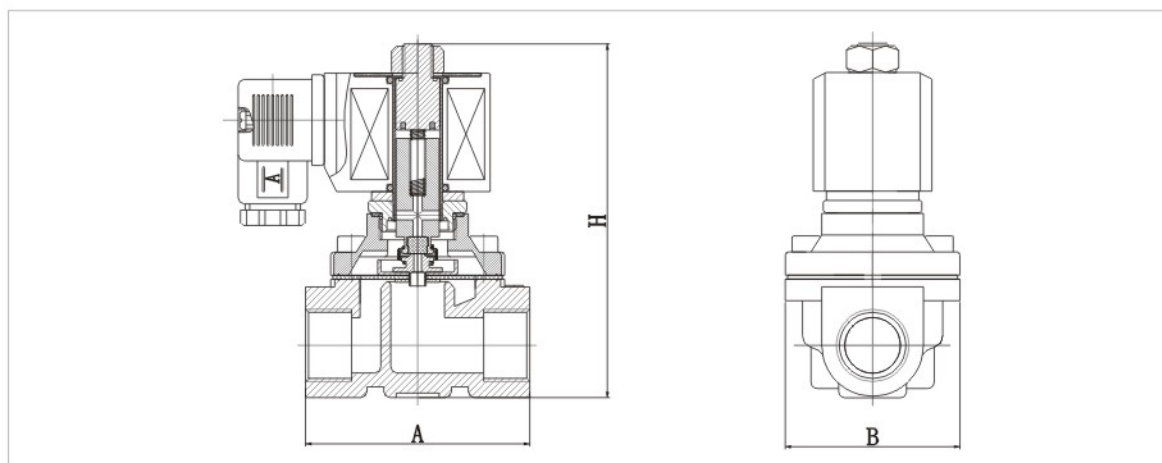
ZS 2/2-Way Large diameter Direct Acting Solenoid Valve · Normally Closed

●The Professional Solenoid Valves Manufactory

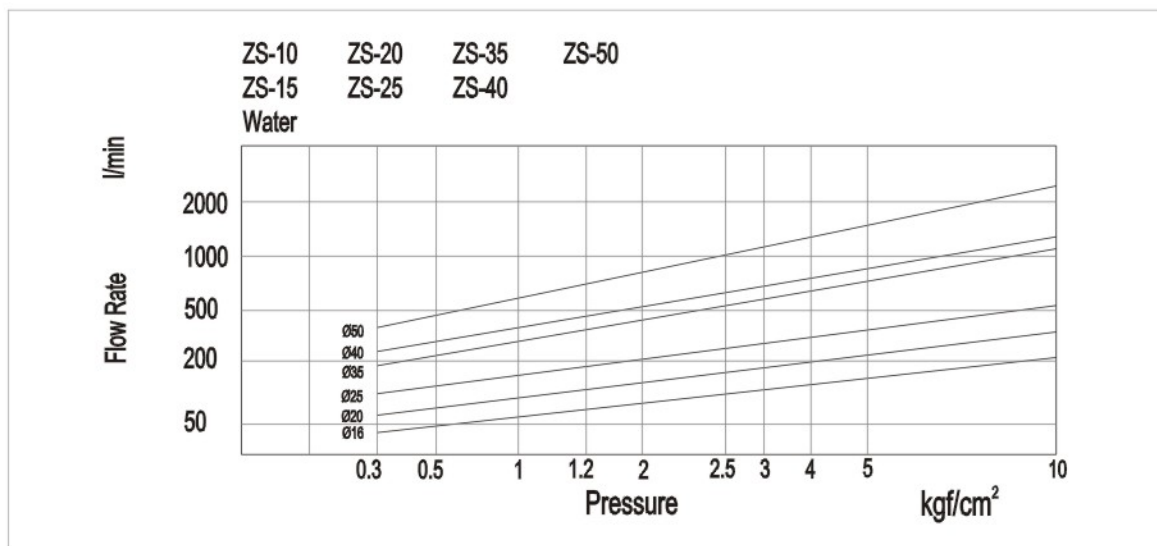
- 1: 2-Way normally closed solenoid valve, Closed when de-energized, open when energized.
- 2: Serialized products, small in size, large flow rate, widely use
- 3: Body material: forged brass, cast brass (for orifice $\Phi 32$ 、40、50 only)
- 4: Ambient Temp. $0^{\circ}\text{C}\sim 65^{\circ}\text{C}$, Fluids Temp: $0^{\circ}\text{C}\sim 120^{\circ}\text{C}$.
- 5: Flow as the arrow, mounts in any position; Best position is Solenoid vertical and upright direction.
- 6: Voltage: 220VAC/230VAC/240VAC/110VAC/24VAC 50/60HZ 24VDC/12VDC;
Voltage Tolerance: +10% to -10% applicable voltage
- 7: Coil can fix Germany Nass Coil, for orifice under $\Phi 16\sim 25\text{mm}$ only.
- 8: This series valves are offered NBR、VITON、EPDM etc
for Seals and diaphragm to provide on-off control of various fluids.



External Dimensions Chart



Flow Chart



ZS 2/2-Way Large diameter Direct Acting Solenoid Valve · Normally Closed

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Valve Selection List

Pipe Conn- ection	Orifice mm	CV Factor	Operating pressure differential (kgf/cm ²)							Max. Fluids Temp.	Coil F Class Type	Power consumption		External Dimensions Length x Width x Height Lx W x H	Weight KG	Model Code Follows Voltage are 220VAC 50/60HZ		
			Min.	Max.								VA AC 220 V	W DC 24 V					
				Air Gas		Water Hot water Liquids		Light oil ≤20CST										
				AC	DC	AC	DC	AC	DC								AC	DC
3/8"	16	4.8	0	10	6	10	6	7	4	80	D	33	20	69×57×106	0.9	ZS1DF02N1C16		
	16	4.8	0	10	6	10	6			120	D	33	20	69×57×106	0.9	ZS1DF02E1C16		
	16	4.8	0	10	6	10	6	7	4	120	D	33	20	69×57×106	0.9	ZS1DF02V1C16		
	16	4.8	0			3	3			120	D	33	20	69×57×106	0.9	ZS1DF02G1C16		
1/2"	16	4.8	0	10	6	10	6	7	4	80	D	33	20	69×57×106	0.9	ZS1DF02N1D16		
	16	4.8	0	10	6	10	6			120	D	33	20	69×57×106	0.9	ZS1DF02E1D16		
	16	4.8	0	10	6	10	6	7	4	120	D	33	20	69×57×106	0.9	ZS1DF02V1D16		
	16	4.8	0			3	3			120	D	33	20	69×57×106	0.9	ZS1DF02G1D16		
3/4"	20	7.6	0	10	6	10	6	7	4	80	D	33	20	73×57×114	1.08	ZS1DF02N1E20		
	20	7.6	0	10	6	10	6			120	D	33	20	73×57×114	1.08	ZS1DF02E1E20		
	20	7.6	0	10	6	10	6	7	4	120	D	33	20	73×57×114	1.08	ZS1DF02V1E20		
	20	7.6	0			3	3			120	D	33	20	73×57×114	1.08	ZS1DF02G1E20		
1"	25	12	0	10	6	10	6	7	4	80	D	33	20	99×77×121	1.4	ZS1DF02N1G25		
	25	12	0	10	6	10	6			120	D	33	20	99×77×121	1.4	ZS1DF02E1G25		
	25	12	0	10	6	10	6	7	4	120	D	33	20	99×77×121	1.4	ZS1DF02V1G25		
	25	12	0			3	3			120	D	33	20	99×77×121	1.4	ZS1DF02G1G25		
1 1/4"	32	24	0	10	6	10	6	7	4	80	D	70	40	112×86.5×150	2.5	ZS1DF02N2H32		
	32	24	0	10	6	10	6			120	D	70	40	112×86.5×150	2.5	ZS1DF02E2H32		
	32	24	0	10	6	10	6	7	4	120	D	70	40	112×86.5×150	2.5	ZS1DF02V2H32		
	32	24	0	10	6	10	6	7	4	80	D	70	40	112×86.5×150	2.7	ZS1DF02N1H32		
	32	24	0	10	6	10	6			120	D	70	40	112×86.5×150	2.7	ZS1DF02E1H32		
	32	24	0	10	6	10	6	7	4	120	D	70	40	112×86.5×150	2.7	ZS1DF02V1H32		
1 1/2"	40	29	0	10	6	10	6	7	4	80	D	70	40	123×94×160	2.9	ZS1DF02N2J40		
	40	29	0	10	6	10	6			120	D	70	40	123×94×160	2.9	ZS1DF02E2J40		
	40	29	0	10	6	10	6	7	4	120	D	70	40	123×94×160	2.9	ZS1DF02V2J40		
	40	29	0	10	6	10	6	7	4	80	D	70	40	123×94×160	3.2	ZS1DF02N1J40		
	40	29	0	10	6	10	6			120	D	70	40	123×94×160	3.2	ZS1DF02E1J40		
	40	29	0	10	6	10	6	7	4	120	D	70	40	123×94×160	3.2	ZS1DF02V1J40		
2"	50	48	0	10	6	10	6	7	4	80	D	70	40	168×123×183	5.2	ZS1DF02N2K50		
	50	48	0	10	6	10	6			120	D	70	40	168×123×183	5.2	ZS1DF02E2K50		
	50	48	0	10	6	10	6	7	4	120	D	70	40	168×123×183	5.2	ZS1DF02V2K50		
	50	48	0	10	6	10	6	7	4	80	D	70	40	168×123×183	5.4	ZS1DF02N1K50		
	50	48	0	10	6	10	6			120	D	70	40	168×123×183	5.4	ZS1DF02E1K50		
	50	48	0	10	6	10	6	7	4	120	D	70	40	168×123×183	5.4	ZS1DF02V1K50		

ZS 2/2-Way Large diameter Direct Acting Solenoid Valve • Normally Closed

●The Professional Solenoid Valves Manufactory

- 1: 2-Way normally closed solenoid valve, Closed when de-energized, open when energized.
- 2: Body material: 304 stainless steel and 316 stainless steel
- 3: Fluids Temp: 0°C~120°C; Ambient Temp. 0°C~65°C
- 4: Serialized products, small in size, large flow rate, widely use
- 5: Flow as the arrow, mounts in any position; Best position is Solenoid vertical and upright direction.
- 6: Voltage: 220VAC/230VAC/240VAC/110VAC/24VAC 50/60HZ 24VDC/12VDC;
Voltage Tolerance: +10% to -10% applicable voltage
- 7: Coil can fix Germany Nass Coil, for orifice under DN25 only.
- 8: This series valves are offered NBR, VITON, EPDM etc
for Seals and diaphragm to provide on-off control of various fluids.



Valve Selection List (Female Thread)

Pipe Conn- ection	Orifice mm	CV Factor	Operating pressure differential (kgf/cm ²)							Max. Fluids Temp.	Coil F Class Type	Power consumption		External Dimensions Length x Width x Height A x B x H	Weight KG	Model Code Follows Voltage are 220VAC 50/60HZ
			Min.	Max.								VA AC 220 V	W DC 24 V			
				Air Gas		Water Hot water Liquids		Light oil								
				AC	DC	AC	DC							AC	DC	
3/8"	16	4.8	0	10	6	10	6	7	4	80	D	33	20	69×57×106	0.8	ZS1DF02N4C16
	16	4.8	0	10	6	10	6			120	D	33	20	69×57×106	0.8	ZS1DF02E4C16
	16	4.8	0	10	6	10	6	7	4	120	D	33	20	69×57×106	0.8	ZS1DF02V4C16
	16	4.8	0			3	3			120	D	33	20	69×57×106	0.8	ZS1DF02G4C16
1/2"	16	4.8	0	10	6	10	6	7	4	80	D	33	20	69×57×106	0.85	ZS1DF02N4D16
	16	4.8	0	10	6	10	6			120	D	33	20	69×57×106	0.85	ZS1DF02E4D16
	16	4.8	0	10	6	10	6	7	4	120	D	33	20	69×57×106	0.85	ZS1DF02V4D16
	16	4.8	0			3	3			120	D	33	20	69×57×106	0.85	ZS1DF02G4D16
3/4"	20	7.6	0	10	6	10	6	7	4	80	D	33	20	73×57×114	1.1	ZS1DF02N4E20
	20	7.6	0	10	6	10	6			120	D	33	20	73×57×114	1.1	ZS1DF02E4E20
	20	7.6	0	10	6	10	6	7	4	120	D	33	20	73×57×114	1.1	ZS1DF02V4E20
	20	7.6	0			3	3			120	D	33	20	73×57×114	1.1	ZS1DF02G4E20
1"	25	12	0	10	6	10	6	7	4	80	D	33	20	99×77×121	1.45	ZS1DF02N4G25
	25	12	0	10	6	10	6			120	D	33	20	99×77×121	1.45	ZS1DF02E4G25
	25	12	0	10	6	10	6	7	4	120	D	33	20	99×77×121	1.45	ZS1DF02V4G25
	25	12	0	10	6	3	3			120	D	33	20	99×77×121	1.45	ZS1DF02G4G25
1 1/4"	32	24	0	10	6	10	6	7	4	80	D	70	40	112×86.5×150	2.3	ZS1DF02N4H32
	32	24	0	10	6	10				120	D	70	40	112×86.5×150	2.3	ZS1DF02E4H32
	32	24	0	10	6	10	6	7	7	120	D	70	40	112×86.5×150	2.3	ZS1DF02V4H32
1 1/2"	40	29	0	10	6	10	6	7	4	80	D	70	40	123×94×160	2.9	ZS1DF02N4J40
	40	29	0	10	6	10				120	D	70	40	123×94×160	2.9	ZS1DF02E4J40
	40	29	0	10	6	10	6	7	7	120	D	70	40	123×94×160	2.9	ZS1DF02V4J40
2"	50	48	0	10	6	10	6	7	4	80	D	70	40	168×123×183	4.8	ZS1DF02N4K50
	50	48	0	10	6	10				120	D	70	40	168×123×183	4.8	ZS1DF02E4K50
	50	48	0	10	6	10	6	7	4	120	D	70	40	168×123×183	4.8	ZS1DF02V4K50

ZS 2/2-Way Large diameter Direct Acting Solenoid Valve · Normally Closed

● The Professional Solenoid Valves Manufactory



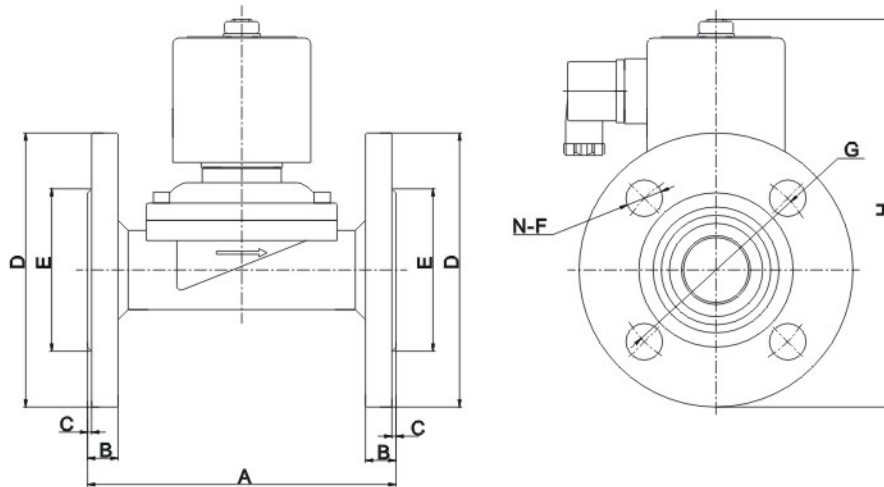
Valve Selection List(Flange)

Orifice mm	CV Factor	Operating pressure differential (Kg/cm ²)							Max. Fluids Temp.	Coil	Power		Weight KG	Model Code 220VAC 50/60HZ
		Min.	Max.							F Class	VA	W		
			Air Gas		Water Hot water Liquids		Light oil			Type	AC 220 V	DC 24 V		
AC	DC	AC	DC	AC	DC									
25	12	0	10	6	10	6	7	4	80	D	33	20	2.9	ZS1DF02N4F25
25	12	0	10	6	10	6			120	D	33	20	2.9	ZS1DF02E4F25
25	12	0	10	6	10	6	7	4	120	D	33	20	2.9	ZS1DF02V4F25
32	24	0	10	6	10	6	7	4	80	A	70	40	5.1	ZS1AF02N4F32
32	24	0	10	6	10	6			120	A	70	40	5.1	ZS1AF02E4F32
32	24	0	10	6	10	6	7	4	120	A	70	40	5.1	ZS1AF02V4F32
40	29	0	10	6	10	6	7	4	80	A	70	40	6.1	ZS1AF02N4F40
40	29	0	10	6	10	6			120	A	70	40	6.1	ZS1AF02E4F40
40	29	0	10	6	10	6	7	4	120	A	70	40	6.1	ZS1AF02V4F40
50	48	0	10	6	10	6	7	4	80	A	70	40	8.2	ZS1AF02N4F50
50	48	0	10	6	10	6			120	A	70	40	8.2	ZS1AF02E4F50
50	48	0	10	6	10	6	7	4	120	A	70	40	8.2	ZS1AF02V4F50
65	75	0	6	5	6	5	3	2	80	A	55	64	15.2	ZS1AF02N4F65
65	75	0	6	5	6	5			120	A	55	64	15.2	ZS1AF02E4F65
65	75	0	6	5	6	5	3	2	120	A	55	64	15.2	ZS1AF02V4F65
80	90	0	6	5	6	5	3	2	80	A	55	64	18	ZS1AF02N4F80
80	90	0	6	5	6	5			120	A	55	64	18	ZS1AF02E4F80
80	90	0	6	5	6	5	3	2	120	A	55	64	18	ZS1AF02V4F80
100	160	0	6	5	6	5	3	2	80	A	55	64	23.5	ZS1AF02N4F100
100	160	0	6	5	6	5			120	A	55	64	23.5	ZS1AF02E4F100
100	160	0	6	5	6	5	3	2	120	A	55	64	23.5	ZS1AF02V4F100

ZS 2/2-Way Large diameter Direct Acting Solenoid Valve · Normally Closed

●The Professional Solenoid Valves Manufactory

External Dimensions (Flange Type)

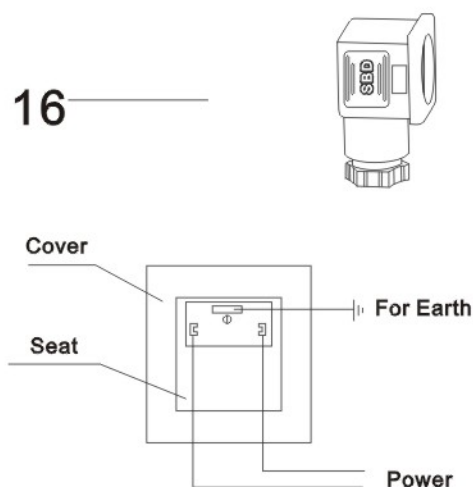
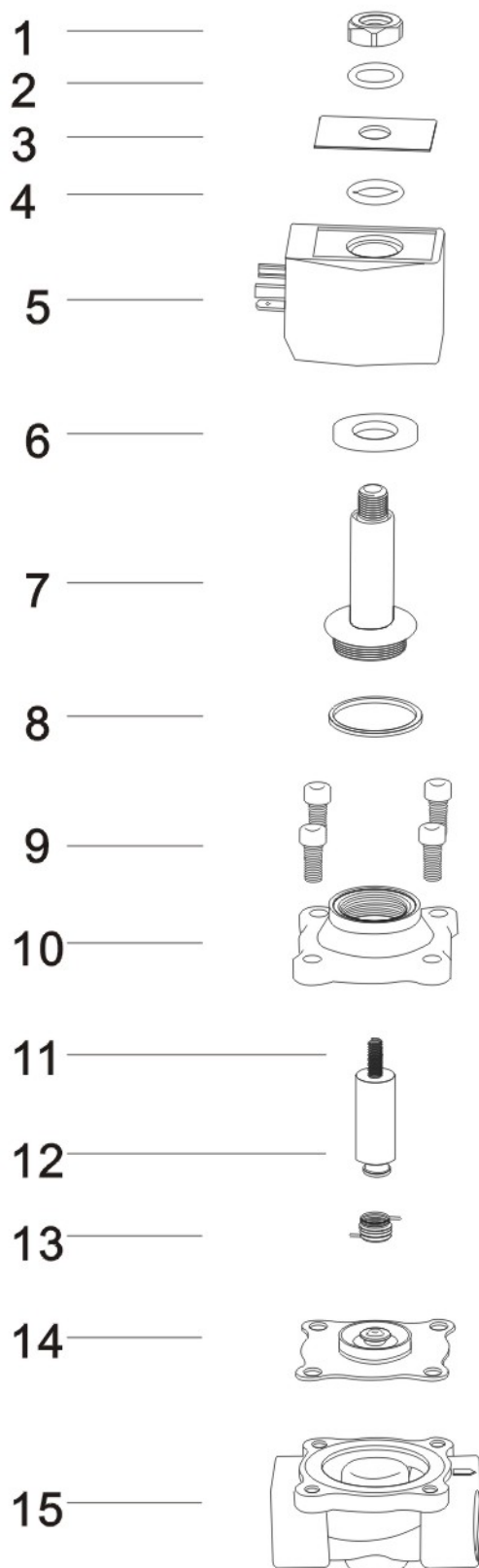


	A	B	C	ΦD	ΦE	N-ΦF	ΦG	H
ZS-25BF	140	14	2	115	62	4-14	85	160
ZS-32BF	152	15	2	135	76	4-18	100	215
ZS-40BF	152	15	2	145	84	4-18	110	215
ZS-50BF	195	16	2	160	98	4-18	125	220
ZS-65BF	250	19	3	185	118	4-18	145	308
ZS-80BF	270	19	3	202	134	4-18	160	320
ZS-100BF	342	21	3	222	162	8-18	180	345

ZS 2/2-Way Large diameter Direct Acting Solenoid Valve • Normally Closed

● The Professional Solenoid Valves Manufactory

Components Chart



Electric Wirig Chart

Code	Components
01	Locknut
02	Gasket
03	Label
04	O Ring
05	Coil
06	Plate
07	Plunger Tube Assembly
08	Plunger Tube Seal Ring
09	Bolts
10	Valve Cover
11	Plunger Spring
12	Plunger Assembly
13	Diaphragm Spring
14	Diaphragm Assembly
15	Valve Body
16	Plug

ZS Plastic Series 2/2-Way Zero Press Differential Solenoid Valve · Normally Closed

●The Professional Solenoid Valves Manufactory

1: 2-Way normally closed solenoids valve.

2: Closed when de-energized, open when energized

3: Body material: Nylon(PA6)

4: Max pressure: 10bar Ambient temp 0-65°C

5: Serialized products, small in size, large flow rate

6: Voltage: AC 220V/230V/240V/110V/24V/12V

7: Voltage tolerance: -10% ~ +10%

8: Diaphragm seals: NBR, VITON, EPDM, SILICA GEL

9: Plastic body: Its advantages are low cost, light, good appearance and easy to install. Consult factory for other size.



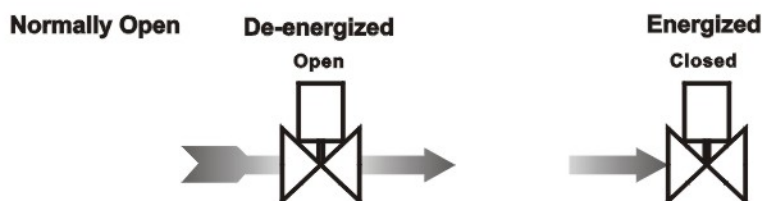
Valve Selection List

Pipe Size	Orifice mm	Operating pressure differential (kgf/cm ²)						Max. Fluids Temp. °C	Coil		Power		External Dimensions Length x Width x Height L x W x H	Weight KG	Model Code 220VAC 50/60HZ
		CV Factor	Min.	Max.					F Class Type	VA AC 220 V	W DC 24 V				
				Air		Water Hot water Liquids									
												AC			
1/2"	16	4.8	0	8	6	8	6	80	D	33	20	69×57×106	0.4	ZS1DF02N7D16	
	16	4.8	0	8	6	8	6	120	D	33	20	69×57×106	0.4	ZS1DF02E7D16	
	16	4.8	0	8	6	8	6	120	D	33	20	69×57×106	0.4	ZS1DF02V7D16	
	16	4.8	0			3	3	120	D	33	20	69×57×106	0.4	ZS1DF02G7D16	
3/4"	20	7.6	0	8	6	8	6	80	D	33	20	73×57×114	0.45	ZS1DF02N7E20	
	20	7.6	0	8	6	8	6	120	D	33	20	73×57×114	0.45	ZS1DF02E7E20	
	20	7.6	0	8	6	8	6	120	D	33	20	73×57×114	0.45	ZS1DF02V7E20	
	20	7.6	0			3	3	120	D	33	20	73×57×114	0.45	ZS1DF02G7E20	
1"	25	12	0	8	6	8	6	80	D	33	20	99×77×121	0.56	ZS1DF02N7G25	
	25	12	0	8	6	8	6	120	D	33	20	99×77×121	0.56	ZS1DF02E7G25	
	25	12	0	8	6	8	6	120	D	33	20	99×77×121	0.56	ZS1DF02V7G25	
	25	12	0			3	3	120	D	33	20	99×77×121	0.56	ZS1DF02G7G25	

ZS 2/2-Way Direct Acting Solenoid Valve · Normally Open

● The Professional Solenoid Valves Manufactory

- 1: 2-Way normally open solenoid valve, open when de-energized, Closed when energized.
- 2: Body material: brass
- 3: Max.Allowable pressure 10kgf/cm²; Ambient Temp. 0°C~65°C
- 4: Serialized products, small in size, large flow rate, widely use.
- 5: Flow as the arrow, mounts in any position; Best position is Solenoid vertical and upright direction.
- 6: Voltage: 220VAC/230VAC/240VAC/110VAC/24VAC 50/60Hz 24VDC/12VDC;
Voltage Tolerance: +10% to -10% applicable voltage
- 7: This series valves are offered NBR, VITON, EPDM etc for Seals and diaphragm to provide on-off control of various fluids.



Valve Selection List

Pipe Conn- ection	Orifice mm	CV Factor	Operating pressure differential (kgf/cm ²)								Max. Fluids Temp.	Coil Type	Power consumption		External Dimensions Length x Width x Height A x B x H	Weight KG	Model Code Follows Voltage are 220VAC 50/60HZ		
			Min.	Max.									F Class	VA				W	
				Air Gas		Water Hot water Liquids		Light oil ≤20CST		AC 220 V				DC 24 V					
3/8"	4.0	0.6	0	5	5	5	5	3	3	80	D	57	32	52.5 x 32.5 x 115	0.7	ZS2DF02N1C04			
	4.0	0.6	0	5	3	3	5			120	D	57	32	52.5 x 32.5 x 115	0.7	ZS2DF02E1C04			
	4.0	0.6	0	5	3	3	5	3	3	120	D	57	32	52.5 x 32.5 x 115	0.7	ZS2DF02V4C04			
	16	4.8	0	5	3	3	5	3	3	80	D	57	32	69 x 57 x 135	1.2	ZS2DF02N1C16			
	16	4.8	0	5	3	3	5			120	D	57	32	69 x 57 x 135	1.2	ZS2DF02E1C16			
	16	4.8	0	5	3	3	5	3	3	120	D	57	32	69 x 57 x 135	1.2	ZS2DF02V1C16			

ZS 2/2-Way Direct Acting Solenoid Valve · Normally Open

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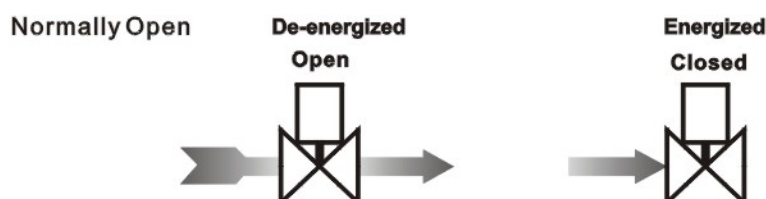
Valve Selection List

Pipe Conn- ection	Orifice mm	CV Factor	Operating pressure differential (kgf/cm ²)								Max. Fluids Temp.	Coil F Class Type	Power consumption		External Dimensions Length x Width x Height A x B x H	Weight KG	Model Code Follows Voltage are 220VAC 50/60HZ	
			Min.	Max.									VA AC 220 V	W DC 24 V				
				Air Gas		Water Hot water Liquids		Light oil ≤20CST										
										AC								DC
1/2"	16	4.8	0	5	5	5	5	3	3	80	D	33	20	69×57×135	1.15	ZS2DF02N1D16		
	16	4.8	0	5	5	5	5			120	D	33	20	69×57×135	1.15	ZS2DF02E1D16		
	16	4.8	0	5	5	5	5	3	3	120	D	33	20	69×57×135	1.15	ZS2DF02V1D16		
3/4"	20	7.6	0	5	5	5	5	3	3	80	D	33	20	73×57×142	1.25	ZS2DF02N1E20		
	20	7.6	0	5	5	5	5			120	D	33	20	73×57×142	1.25	ZS2DF02E1E20		
	20	7.6	0	5	5	5	5	3	3	120	D	33	20	73×57×142	1.25	ZS2DF02V1E20		
1"	25	12	0	5	5	5	5	3	3	80	D	33	20	99×77.5×150	1.7	ZS2DF02N1G25		
	25	12	0	5	5	5	5			120	D	33	20	99×77.5×150	1.7	ZS2DF02E1G25		
	25	12	0	5	5	5	5	3	3	120	D	33	20	99×77.5×150	1.7	ZS2DF02V1G25		
1 1/4"	32	24	0	5	5	5	5	3	3	80	D	70	40	112×86.5×180	2.75	ZS2DF02N2H32		
	32	24	0	5	5	5	5			120	D	70	40	112×86.5×180	2.75	ZS2DF02E2H32		
	32	24	0	5	5	5	5	3	3	120	D	70	40	112×86.5×180	2.75	ZS2DF02V2H32		
	32	24	0	5	5	5	5	3	3	80	D	70	40	112×86.5×180	2.9	ZS2DF02N1H32		
	32	24	0	5	5	5	5			120	D	70	40	112×86.5×180	2.9	ZS2DF02E1H32		
	32	24	0	5	5	5	5	3	3	120	D	70	40	112×86.5×180	2.9	ZS2DF02V1H32		
1 1/2"	40	29	0	5	5	5	5	3	3	80	D	70	40	123×94×190	3.15	ZS2DF02N2J40		
	40	29	0	5	5	5	5			120	D	70	40	123×94×190	3.15	ZS2DF02E2J40		
	40	29	0	5	5	5	5	3	3	120	D	70	40	123×94×190	3.15	ZS2DF02V2J40		
	40	29	0	5	5	5	5	3	3	80	D	70	40	123×94×190	3.2	ZS2DF02N1J40		
	40	29	0	5	5	5	5			120	D	70	40	123×94×190	3.2	ZS2DF02E1J40		
	40	29	0	5	5	5	5	3	3	120	D	70	40	123×94×190	3.2	ZS2DF02V1J40		
2"	50	48	0	5	5	5	5	3	3	80	D	70	40	168×123×216	5.4	ZS2DF02N2K50		
	50	48	0	5	5	5	5			120	D	70	40	168×123×216	5.4	ZS2DF02E2K50		
	50	48	0	5	5	5	5	3	3	120	D	70	40	168×123×216	5.4	ZS2DF02V2K50		
	50	48	0	5	5	5	5	3	3	80	D	70	40	168×123×216	5.6	ZS2DF02N1K50		
	50	48	0	5	5	5	5			120	D	70	40	168×123×216	5.6	ZS2DF02E1K50		
	50	48	0	5	5	5	5	3	3	120	D	70	40	168×123×216	5.6	ZS2DF02V1K50		

ZS 2/2-Way Direct Acting Solenoid Valve · Normally Open

● The Professional Solenoid Valves Manufactory

- 1: 2-Way normally open solenoid valve, open when de-energized, Closed when energized.
- 2: Body material: SS304 (standard). SS316 (special made)
- 3: Max. Allowable pressure 10kgf/cm²; Ambient Temp. 0°C~65°C
- 4: Serialized products, small in size, large flow rate, widely use.
- 5: Flow as the arrow, mounts in any position; Best position is Solenoid vertical and upright direction.
- 6: Voltage: 220VAC/230VAC/240VAC/110VAC/24VAC 50/60Hz 24VDC/12VDC;
Voltage Tolerance: +10% to -10% applicable voltage
- 7: This series valves are offered NBR、VITON、EPDM etc for Seals and diaphragm to provide on-off control of various fluids.



Valve Selection List

Pipe Conn- ection	Orifice mm	CV Factor	Operating pressure differential (kgf/cm ²)								Max. Fluids Temp.	Coil	Power consumption		External Dimensions Length xWidth x Height A x B x H	Weight KG	Model Code Follows Voltage are 220VAC 50/60HZ		
			Min.	Max.									F Class Type	VA					
				Air Gas		Water Hot water Liquids		Light oil ≤20CST		AC 220				W DC 24					
AC	DC	AC	DC	AC	DC														
3/8"	4.0	0.6	0	5	5	5	5	3	3	80	D	33	20	52.5×32.5×115	0.7	ZS2DF02N4C04			
	4.0	0.6	0	5	5	5	5			120	D	33	20	52.5×32.5×115	0.7	ZS2DF02E4C04			
	4.0	0.6	0	5	5	5	5	3	3	120	D	33	20	52.5×32.5×115	0.7	ZS2DF02V4C04			
	16	4.8	0	5	5	5	5	3	3	80	D	33	20	69×57×135	1.1	ZS2DF02N4C16			
	16	4.8	0	5	5	5	5			120	D	33	20	69×57×135	1.1	ZS2DF02E4C16			
	16	4.8	0	5	5	5	5	3	3	120	D	33	20	69×57×135	1.1	ZS2DF02V4C16			
1/2"	16	4.8	0	5	5	5	5	3	3	80	D	33	20	69×57×135	1.05	ZS2DF02N4D16			
	16	4.8	0	5	5	5	5			120	D	33	20	69×57×135	1.05	ZS2DF02E4D16			
	16	4.8	0	5	5	5	5	3	3	120	D	33	20	69×57×135	1.05	ZS2DF02V4D16			
3/4"	20	7.6	0	5	5	5	5	3	3	80	D	33	20	73×57×142	1.2	ZS2DF02N4E20			
	20	7.6	0	5	5	5	5			120	D	33	20	73×57×142	1.2	ZS2DF02E4E20			
	20	7.6	0	5	5	5	5	3	3	120	D	33	20	73×57×142	1.2	ZS2DF02V4E20			

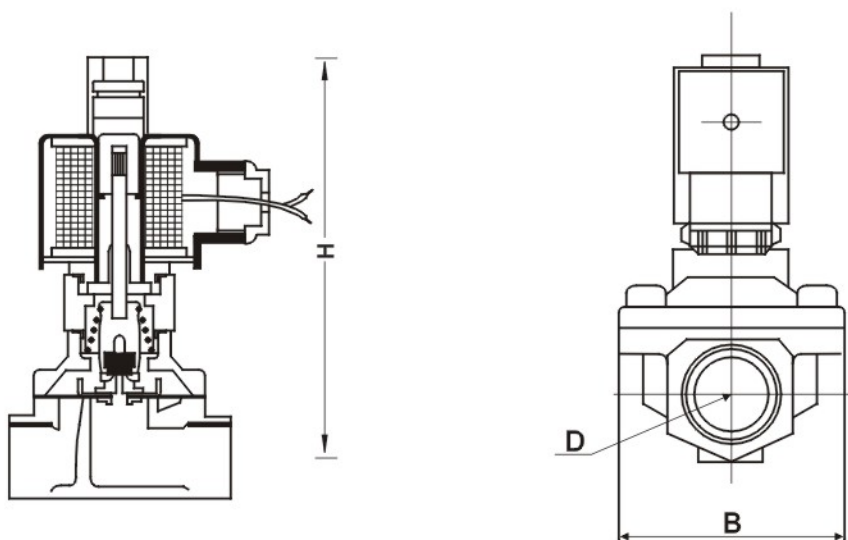
ZS 2/2-Way Direct Acting Solenoid Valve · Normally Open

●The Professional Solenoid Valves Manufactory

Valve Selection List (Female Thread)

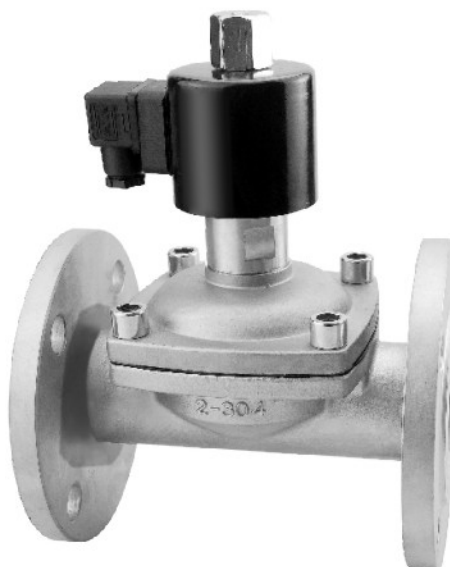
Pipe Conn- ection	Orifice mm	CV Factor	Operating pressure differential (kgf/cm ²)								Max. Fluids Temp.	Coil	Power consumption		External Dimensions Length xWidth x Height Lx W x H	Weight KG	Model Code Follows Voltage are 220VAC 50/60HZ		
			Min.	Max.									F Class Type	VA AC 220				W DC 24	
				Air Gas		Water Hot water Liquids		Light oil ≤20CST											
AC	DC	AC	DC	AC	DC														
1 "	25	12	0	5	3	5	3	3	3	80	D	57.2	32	99×77.5×150	1.6	ZS2DF02N4G25			
	25	12	0	5	3	5	3			120	D	57.2	32	99×77.5×150	1.6	ZS2DF02E4G25			
	25	12	0	5	3	5	3	3	3	120	D	57.2	32	99×77.5×150	1.6	ZS2DF02V4G25			
1 1/4 "	32	24	0	5	3	5	3	3	3	80	D	70	40	112×86.5×180	2.6	ZS2DF02N4H32			
	32	24	0	5	3	5	3			120	D	70	40	112×86.5×180	2.6	ZS2DF02E4H32			
	32	24	0	5	3	5	3	3	3	120	D	70	40	112×86.5×180	2.6	ZS2DF02V4H32			
1 1/2 "	40	29	0	5	3	5	3	3	3	80	D	70	40	123×94×190	3.2	ZS2DF02N4J40			
	40	29	0	5	3	5	3			120	D	70	40	123×94×190	3.2	ZS2DF02E4J40			
	40	29	0	5	3	5	3	3	3	120	D	70	40	123×94×190	3.2	ZS2DF02V4J40			
2 "	50	48	0	5	3	5	3	3	3	80	D	70	40	168×123×216	5.2	ZS2DF02N4K50			
	50	48	0	5	3	5	3			120	D	70	40	168×123×216	5.2	ZS2DF02E4K50			
	50	48	0	5	3	5	3	3	3	120	D	70	40	168×123×216	5.2	ZS2DF02V4K50			

Construction, External Dimensions Chart



ZS 2/2-Way Direct Acting Solenoid Valve · Normally Open

● The Professional Solenoid Valves Manufactory



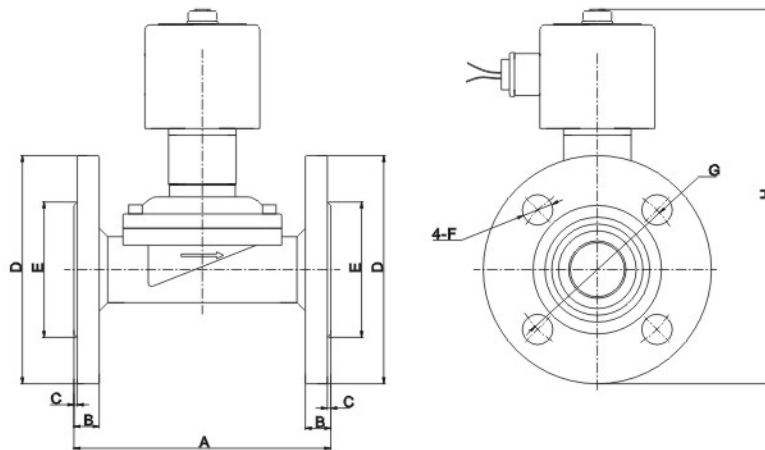
Valve Selection List (Flange)

Orifice mm	CV Factor	Operating pressure differential (kgf/cm ²)							Max. Fluids Temp.	Coil	Power consumption		Weight KG	Model Code 220VAC 50/60HZ
		Min.	Max.							F Class	VA	W		
			Air Gas		Water Hot water Liquids		Light oil			Type	AC 220 V	DC 24 V		
AC	DC	AC	DC	AC	DC									
25	12	0	5	5	5	5	3	3	80	D	57	32	3.05	ZS2DF02N4F25
25	12	0	5	5	5	5			120	D	57	32	3.05	ZS2DF02E4F25
25	12	0	5	5	5	5	3	3	120	D	57	32	3.05	ZS2DF02V4F25
32	24	0	5	5	5	5	3	3	80	D	70	40	5.4	ZS2DF02N4F32
32	24	0	5	5	5	5			120	D	70	40	5.4	ZS2DF02E4F32
32	24	0	5	5	5	5	3	3	120	D	70	40	5.4	ZS2DF02V4F32
40	29	0	5	5	5	5	3	3	80	D	70	40	6.4	ZS2DF02N4F40
40	29	0	5	5	5	5			120	D	70	40	6.4	ZS2DF02E4F40
40	29	0	5	5	5	5	3	3	120	D	70	40	6.4	ZS2DF02V4F40
50	48	0	5	5	5	5	3	3	80	D	70	40	8.6	ZS2DF02N4F50
50	48	0	5	5	5	5			120	D	70	40	8.6	ZS2DF02E4F50
50	48	0	5	5	5	5	3	3	120	D	70	40	8.6	ZS2DF02V4F50

ZS 2/2-Way Direct Acting Solenoid Valve · Normally Open

●The Professional Solenoid Valves Manufactory

External Dimensions (Flange Series)



Model	A	B	C	ϕD	ϕE	ϕF	ϕG	H
ZS-25BH	140	14	2	115	62	4-14	85	180
ZS-32BH	152	15	2	135	76	4-18	100	235
ZS-40BH	152	15	2	145	84	4-18	110	240
ZS-50BH	195	16	2	160	98	4-18	125	255

ZS Series Coil parameters tables

● The Professional Solenoid Valves Manufactory

ZS Series Coils Characteristics List

Coils Model Code	Voltage	Power consumption					The orifice for suitable Valve Model. (mm)		
		50HZ VA		60HZ VA		DC	Normally closed	Normally open	
		Inrush	Holding	Inrush	Holding	W			
N05-2101	AC220V	32	13	32	12		φ 2.5		
N05-2102	AC110V	32	13	32	12	——	φ 3.0		
N05-2103	DC24V	—————				8.5	———		
N05-2104	DC12V					8.5			
D01-4101 N01-4101	AC220V	82	33	82	28	——	φ 4~ φ 25	φ 2.5~ φ 3.0 φ 4~ φ 25	
A01-4101	AC220V	70	28	70	23	———	φ 4~ φ 25	φ 4~ φ 25	
D01-4102	AC110V	82	33	82	28				
N01-4102	AC110V	82	33	82	28				
A01-4102	AC110V	70	28	70	23				
D01-4104	DC24V	—————				20	φ 4~ φ 25		
D01-4105	DC12V								
D10-6101 N10-6101	AC220V	175	70	175	56	———	φ 32~ φ 50		
A10-6101	AC220V	110	44	10	36				
D10-6102 N10-6102	AC110V	110	45	110	36				
A10-6102	AC110V	110	44	110	36				
D10-6104 N10-6104	DC24V	—————							40
A10-6104	DC24V								49
A01-9101	AC220V	159	55	150	50	——	φ 65~ φ 100		
A01-9104	DC24V	—————				64			