

Solenoid valve Model Numbering System For ORDER

● The Professional Solenoid Valves Manufactory

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.	SLP	1	D	F	02	N	1	E	20	☐
	Others eg : ZS、 SLA、 SLG、 SLE、 SLV etc.	1: Normally Closed 2: Normally Open	D: DIN Standard Connections, Fully Encapsulated A=Metallic Housing DIN standard N: Lead Wires, Water-tight, Fully Encapsulated W=Metallic Housing lead wires X: Explosion-proof S: NASS Coil	F: Class H: Class	02= AC220V AC230V 01= AC110V AC120V 03= AC36V 04= AC48V 05= AC24V 08= AC380V 12= DC12V 13= DC24V 14= DC110V	N= NBR V= VITON E= EPDM T= Teflon G= Silica Gel	1=Forged Brass 2=Cast Brass 3= SS316 Steel 4= SS304 5=Steel 6=last iron 7=plastics 8=Aluminum 9=Forged Brass	A=1/8" B=1/4" C=3/8" D=1/2" E=3/4" G=1" H=1 1/4" J=1 1/2" K=2" F= Flange Connection	01=1.0 02=2.0 03=3.0 04=4.0 05=5.0 06=6.0 09=9.0 10=10.0 13=13.0 15=15.0 16=16.0 20=20.0 25=25.0 32=32.0 35=35.0 40=40.0 50=50.0 C0=0.8 C1=1.2 C2=1.5 C3=2.5 C4=3.2 C5=3.5 C6=4.5 C7=5.5 C8=7.5 C9=10.5	M= Manual override L= Neon Lamp K= Mounting Bracket N= NPT Thread

ZS Series 2/2-Way Zero Press. differential Solenoid Valve

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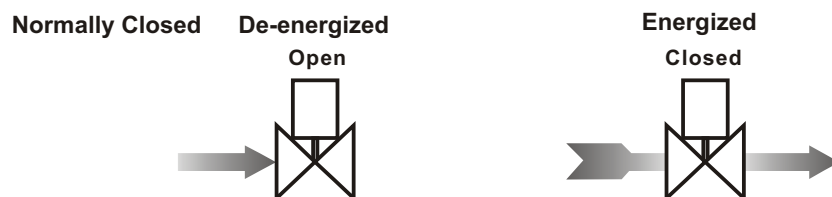
Solenoid Valves Numbering System for Order

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	F: Class 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= Silica Gel	1= Forged Brass 4= SS304 steel 2: Cast Brass 1: Forged Brass 2: Cast Brass 1: Forged Brass 2: Cast Brass 1: Forged Brass 4= SS304 steel	A= 1/8" B= 1/4" 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 50=50.0 25=25.0 35=35.0 40=40.0 50=50.0	M= Manual Override L= Neon lamp N= NPT pipe size

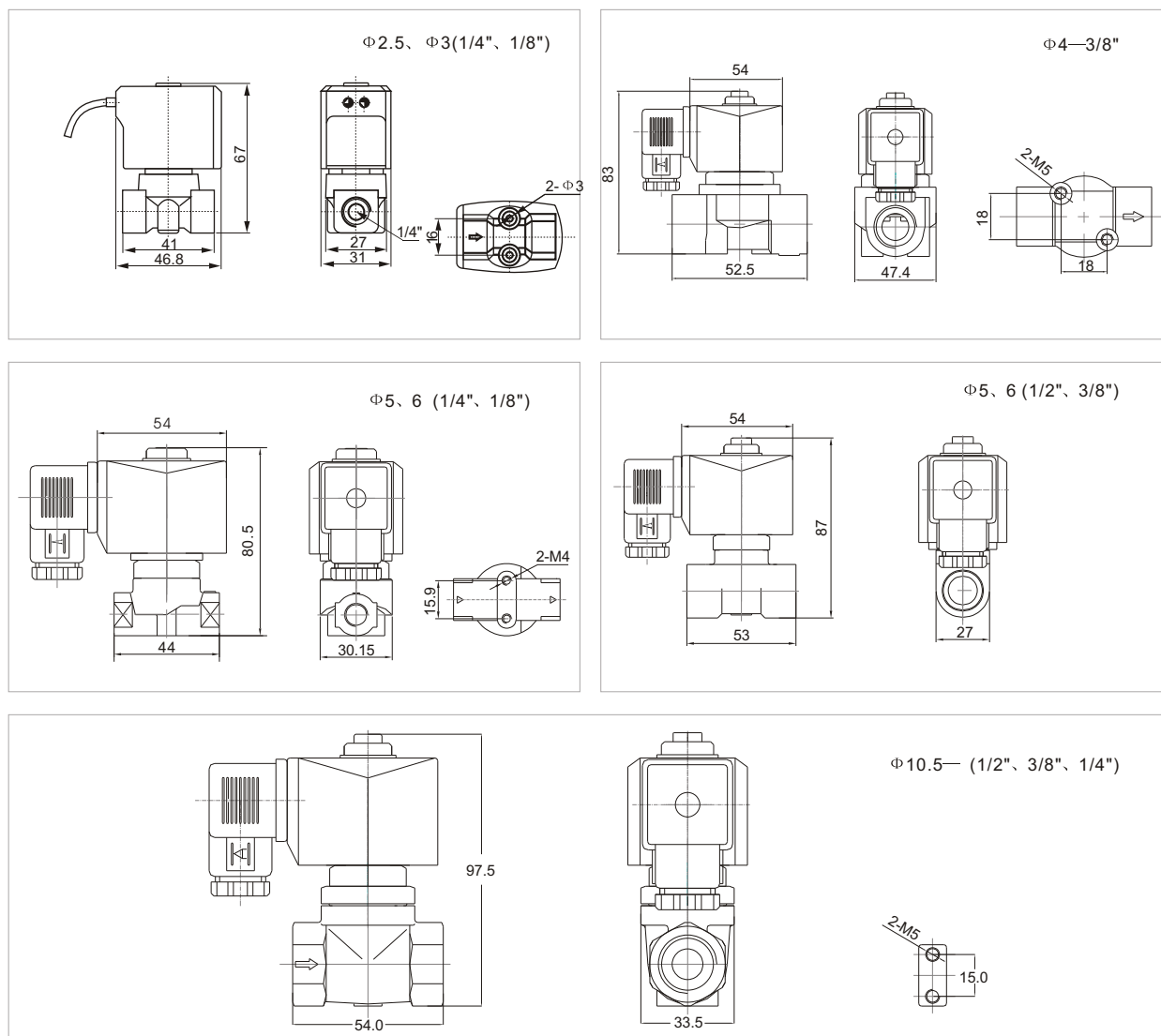
Z S Compact Series 2/2-Way Direct Acting Solenoid Valve • Normally Closed

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- 1: 2-Way normally closed solenoid valve, Closed when de-energized, open when energized. Body material: brass
- 2: Max. pressure 16kgf/cm²; Fluids Temp: 0°C~120°C
- 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 Seals and diaphragm to provide on-off control of various fluids.

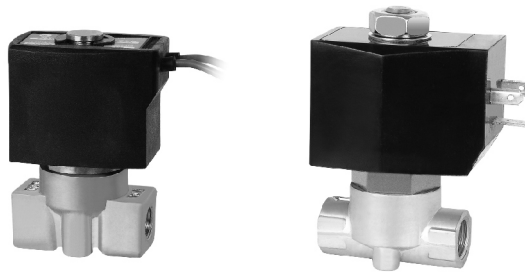


External Dimensions Chart



Z S Compact Series 2/2-Way Direct Acting Solenoid Valve

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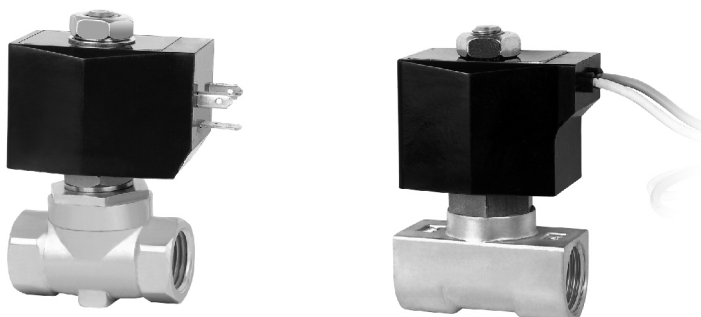


Valve Selection List

Pipe Conn- ection	Orifice mm	CV Factor	Operating pressure differential (kgf/cm ²)							Max. 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	33	20	F	ZS1DF02N1A05	ZS1DF02N4A05	0.46
	5	0.65	0	6	4	6	4			120	D	33	20	F	ZS1DF02E1A05	ZS1DF02E4A05	0.46
	5	0.65	0	6	4	6	4	4	3	120	D	33	20	F	ZS1DF02V1A05	ZS1DF02V4A05	0.46
	6	0.8	0	4	2.5	4	2.5	3	2.5	80	D	33	20	F	ZS1DF02N1A06	ZS1DF02N4A06	0.46
	6	0.8	0	4	2.5	4	2.5			120	D	33	20	F	ZS1DF02E1A06	ZS1DF02E4A06	0.46
	6	0.8	0	4	2.5	4	2.5	3	2.5	120	D	33	20	F	ZS1DF02V1A06	ZS1DF02V4A06	0.46
	7.5	1.0	0	1.5	1	1.5	1	1.5	1	80	D	33	20	F	ZS1DF02N1AC8	ZS1DF02N4AC8	0.45
	7.5	1.0	0	1.5	1	1.5	1			120	D	33	20	F	ZS1DF02E1AC8	ZS1DF02E4AC8	0.45
	7.5	1.0	0	1.5	1	1.5	1	1.5	1	120	D	33	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	33	20	F	ZS1DF02N1B05	ZS1DF02N4B05	0.45
	5	0.65	0	6	4	6	4			120	D	33	20	F	ZS1DF02E1B05	ZS1DF02E4B05	0.45
	5	0.65	0	6	4	6	4	4	3	120	D	33	20	F	ZS1DF02V1B05	ZS1DF02V4B05	0.45
	6	0.8	0	4	2.5	4	2.5	3	2.5	80	D	33	20	F	ZS1DF02N1B06	ZS1DF02N4B06	0.45
	6	0.8	0	4	2.5	4	2.5			120	D	33	20	F	ZS1DF02E1B06	ZS1DF02E4B06	0.45
	6	0.8	0	4	2.5	4	2.5	3	2.5	120	D	33	20	F	ZS1DF02V1B06	ZS1DF02V4B06	0.45
	7.5	1.0	0	1.5	1	1.5	1	1.5	1	80	D	33	20	F	ZS1DF02N1BC8	ZS1DF02N4BC8	0.44
	7.5	1.0	0	1.5	1	1.5	1			120	D	33	20	F	ZS1DF02E1BC8	ZS1DF02E4BC8	0.44
	7.5	1.0	0	1.5	1	1.5	1	1.5	1	120	D	33	20	F	ZS1DF02V1BC8	ZS1DF02V4BC8	0.44

Z S Compact Series 2/2-Way 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. 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						AC	DC		Forged brass
3/8"	4	0.6	0	8	5	8	5	5	5	80	D	33	20	F	ZS1DF02N1C04	ZS1DF02N4C04	0.6	
	4	0.6	0	8	5	8	5			120	D	33	20	F	ZS1DF02E1C04	ZS1DF02E4C04	0.6	
	4	0.6	0	8	5	8	5	5	5	120	D	33	20	F	ZS1DF02V1C04	ZS1DF02V4C04	0.6	
	5	0.65	0	6	4	6	4	4	3	80	D	33	20	F	ZS1DF02N1C05	ZS1DF02N4C05	0.51	
	5	0.65	0	6	4	6	4			120	D	33	20	F	ZS1DF02E1C05	ZS1DF02E4C05	0.51	
	5	0.65	0	6	4	6	4	4	3	120	D	33	20	F	ZS1DF02V1C05	ZS1DF02V4C05	0.51	
	6	0.8	0	4	2.5	4	2.5	3	2.5	80	D	33	20	F	ZS1DF02N1C06	ZS1DF02N4C06	0.51	
	6	0.8	0	4	2.5	4	2.5			120	D	33	20	F	ZS1DF02E1C06	ZS1DF02E4C06	0.51	
	6	0.8	0	4	2.5	4	2.5	3	2.5	120	D	33	20	F	ZS1DF02V1C06	ZS1DF02V4C06	0.51	
	7.5	1.0	0	1.5	1	1.5	1	1.5	1	80	D	33	20	F	ZS1DF02N1CC8	ZS1DF02N4CC8	0.49	
	7.5	1.0	0	1.5	1	1.5	1			120	D	33	20	F	ZS1DF02E1CC8	ZS1DF02E4CC8	0.49	
	7.5	1.0	0	1.5	1	1.5	1	1.5	1	120	D	33	20	F	ZS1DF02V1CC8	ZS1DF02V4CC8	0.49	
	10	1.6	0	0.5	0.3	0.5	0.3	0.4	0.2	80	D	33	20	F	ZS1DF02N1C10	—————	0.62	
	10	1.6	0	0.5	0.3	0.5	0.3			120	D	33	20	F	ZS1DF02E1C10		0.62	
	10	1.6	0	0.5	0.3	0.5	0.3	0.4	0.2	120	D	33	20	F	ZS1DF02V1C10		0.62	
1/2"	5	0.65	0	6	4	6	4	4	3	80	D	33	20	F	ZS1DF02N1D05	ZS1DF02N4D05	0.48	
	5	0.65	0	6	4	6	4			120	D	33	20	F	ZS1DF02E1D05	ZS1DF02E4D05	0.48	
	5	0.65	0	6	4	6	4	4	3	120	D	33	20	F	ZS1DF02V1D05	ZS1DF02V4D05	0.48	
	6	0.8	0	4	2.5	4	2.5	3	2.5	80	D	33	20	F	ZS1DF02N1D06	ZS1DF02N4D06	0.48	
	6	0.8	0	4	2.5	4	2.5			120	D	33	20	F	ZS1DF02E1D06	ZS1DF02E4D06	0.48	
	6	0.8	0	4	2.5	4	2.5	3	2.5	120	D	33	20	F	ZS1DF02V1D06	ZS1DF02V4D06	0.48	
	7.5	1.0	0	1.5	1	1.5	1	1.5	1	80	D	33	20	F	ZS1DF02N1DC8	ZS1DF02N4DC8	0.46	
	7.5	1.0	0	1.5	1	1.5	1			120	D	33	20	F	ZS1DF02E1DC8	ZS1DF02E4DC8	0.46	
	7.5	1.0	0	1.5	1	1.5	1	1.5	1	120	D	33	20	F	ZS1DF02V1DC8	ZS1DF02V4DC8	0.46	
	10	1.65	0	0.5	0.3	0.5	0.3	0.4	0.2	80	D	33	20	F	ZS1DF02N1D10	—————	0.59	
	10	1.65	0	0.5	0.3	0.5	0.3			120	D	33	20	F	ZS1DF02E1D10			
	10	1.65	0	0.5	0.3	0.5	0.3	0.4	0.2	120	D	33	20	F	ZS1DF02V1D10			

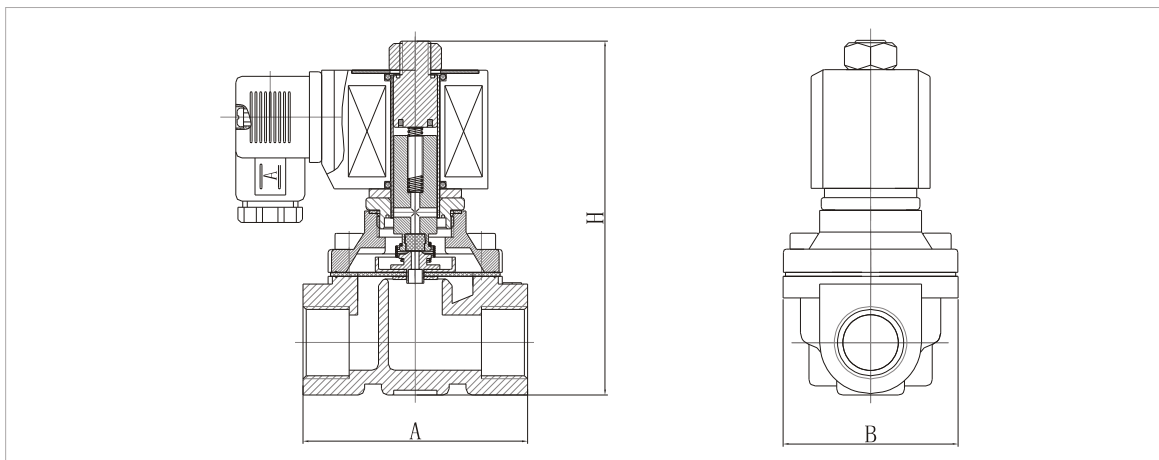
ZS Brass Series 2/2-Way Zero Pressure Differential Solenoid Valve • Normally Closed

●The Professional Solenoid Valves Manufactory

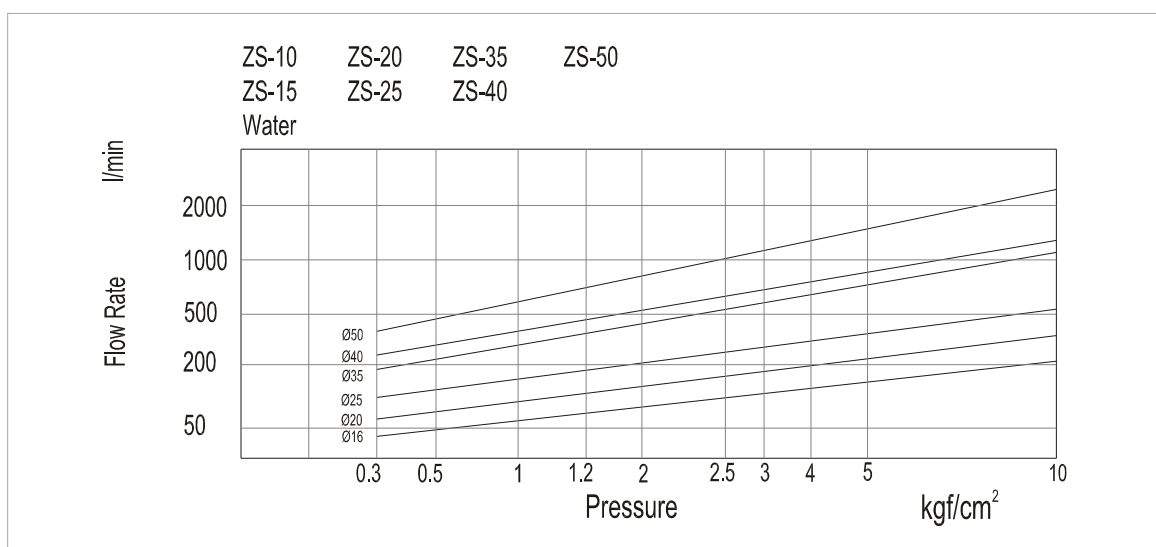
- 1: 2-Way normally closed solenoid valve, Closed when de-energized, open when energized.
- 2: Serialized products, small in size, large flow rate, widely use
- 3: Body material: forged brass, cast brass (for orifice under $\Phi 32$ 、40、50 only)
- 4: Ambient Temp. $0^{\circ}\text{C}\sim 65^{\circ}\text{C}$, 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 Brass Series 2/2-Way Zero Press. Differential Solenoid Valve • Normally Closed

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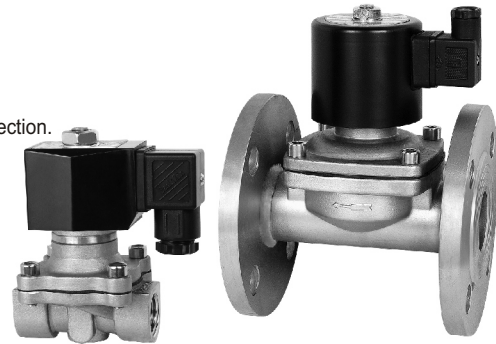
Valve Selection List

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 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
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	7		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	123×94×160	3.4	ZS1DF02N1H35		
	32	24	0	10	6	10	6			120	D	70	40	123×94×160	3.4	ZS1DF02E1H35		
	32	24	0	10	6	10	6	7	4	120	D	70	40	123×94×160	3.4	ZS1DF02V1H35		
1 1/2"	40	29	0	10	6	10	6	7	4	80	D	70	40	123×94×160	3.3	ZS1DF02N1J40		
	40	29	0	10	6	10	6			120	D	70	40	123×94×160	3.3	ZS1DF02E1J40		
	40	29	0	10	6	10	6	7	4	120	D	70	40	123×94×160	3.3	ZS1DF02V1J40		
2"	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		

Stainless Steel Series 2/2-Way Zero Press. Differential 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.



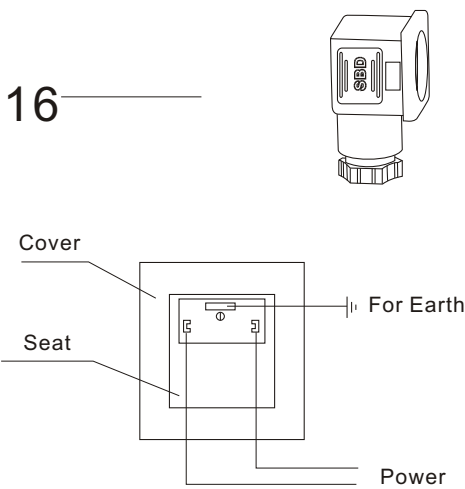
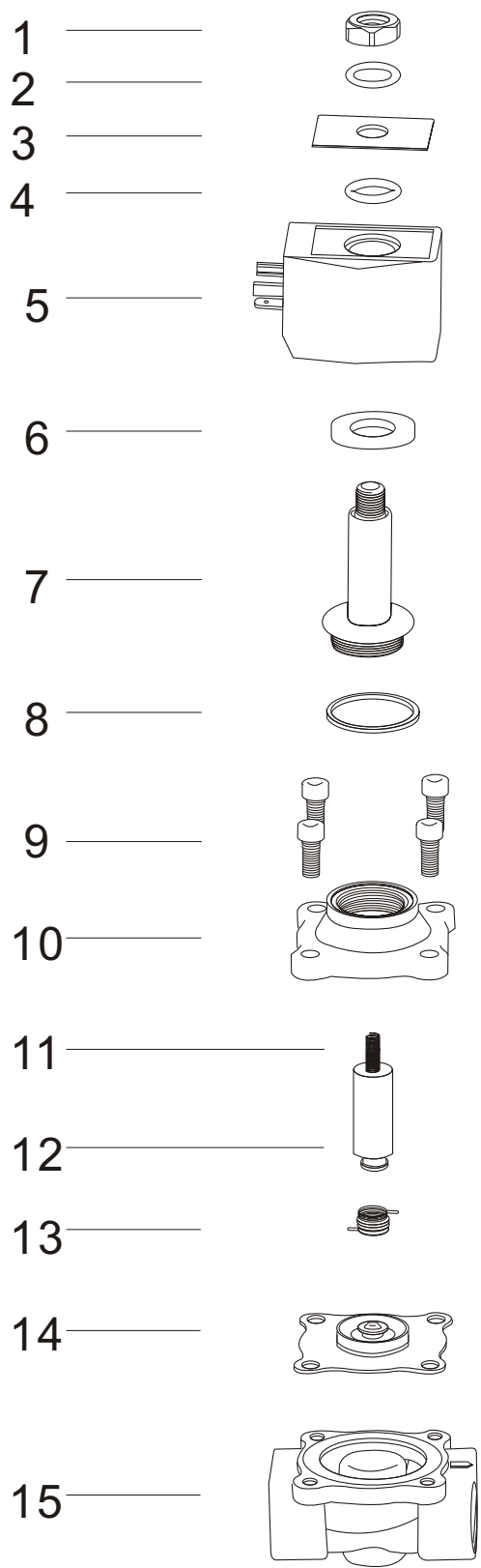
Valve Selection List

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 xWidth 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
Flange 4 Holes	25	12	0	10	6	10	6	7	4	80	D	33	32	140×115×160	2.9	ZS1DF02N4F25
	25	12	0	10	6	10				120	D	33	32	140×115×160	2.9	ZS1DF02E4F25
	25	12	0	10	6	10	6	7	4	120	D	33	32	140×115×160	2.9	ZS1DF02V4F25
	32	24	0	10	6	10	6	7	4	80	D	70	40	152×135×215	5.1	ZS1DF02N4F32
	32	24	0	10	6	10				120	D	70	40	152×135×215	5.1	ZS1DF02E4F32
	32	24	0	10	6	10	6	7	4	120	D	70	40	152×135×215	5.1	ZS1DF02V4F32
	40	29	0	10	6	10	6	7	4	80	D	70	40	152×145×215	6.1	ZS1DF02N4F40
	40	29	0	10	6	10				120	D	70	40	152×145×215	6.1	ZS1DF02E4F40
	40	29	0	10	6	10	6	7	4	120	D	70	40	152×145×215	6.1	ZS1DF02V4F40
	50	48	0	10	6	10	6	7	4	80	D	70	40	195×160×220	8.2	ZS1DF02N4F50
	50	48	0	10	6	10	6			120	D	70	40	195×160×220	8.2	ZS1DF02E4F50
	50	48	0	10	6	10	6	7	4	120	D	70	40	195×160×220	8.2	ZS1DF02V4F50

ZS Series 2/2-Way Zero Press. differential Solenoid Valve

● The Professional Solenoid Valves Manufactory

Components Chart



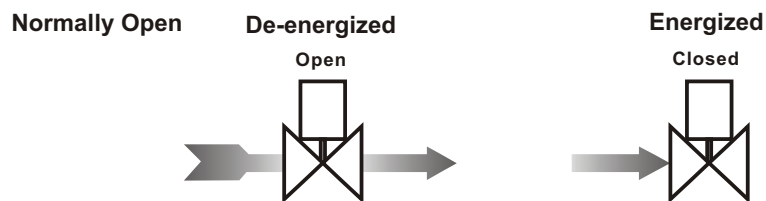
Electric wirig chart

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	Screw
10	Valve Cover
11	Plunger Spring
12	Plunger Assembly
13	Diaphragm Spring
14	Diaphragm Assembly
15	Valve Body
16	Plug

ZS Brass Series 2/2-Way Zero Press. Differential 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. 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 级 F Class	VA AC 220 V				W DC 24 V	
				Air Gas		Water Hot water Liquids		Light oil ≤20CST											
AC	DC	AC	DC	AC	DC														

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

Solenoid Valve

ZS Brass Series 2/2-Way Zero Press. Differential Solenoid Valve Normally Open

● The Professional Solenoid Valves Manufactory

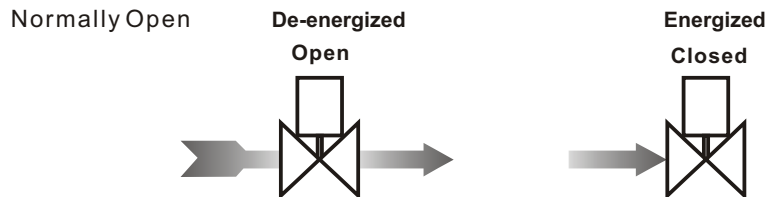
Valve Selection List

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	W DC 24			
				Air Gas		Water Hot water Liquids		Light oil ≤20CST								
				AC	DC	AC	DC	AC	DC							
1/2"	16	4.8	0	5	3	5	3	3	3	80	D	57	32	69×57×135	1.15	ZS2DF02N1D16
	16	4.8	0	5	3	5	3			120	D	57	32	69×57×135	1.15	ZS2DF02E1D16
	16	4.8	0	5	3	5	3	3	3	120	D	57	32	69×57×135	1.15	ZS2DF02V1D16
3/4"	20	7.6	0	5	3	5	3	3	3	80	D	57	32	73×57×142	1.25	ZS2DF02N1E20
	20	7.6	0	5	3	5	3			120	D	57	32	73×57×142	1.25	ZS2DF02E1E20
	20	7.6	0	5	3	5	3	3	3	120	D	57	32	73×57×142	1.25	ZS2DF02V1E20
1"	25	12	0	5	3	5	3	3	3	80	D	57	32	99×77.5×150	1.7	ZS2DF02N1G25
	25	12	0	5	3	5	3			120	D	57	32	99×77.5×150	1.7	ZS2DF02E1G25
	25	12	0	5	3	5	3	3	3	120	D	57	32	99×77.5×150	1.7	ZS2DF02V1G25
1 1/4"	32	24	0	5	3	5	3	3	3	80	D	70	40	123×94×190	3.7	ZS2DF02N1H32
	32	24	0	5	3	5	3			120	D	70	40	123×94×190	3.7	ZS2DF02E1H32
	32	24	0	5	3	5	3	3	3	120	D	70	40	123×94×190	3.7	ZS2DF02V1H32
1 1/2"	40	29	0	5	3	5	3	3	3	80	D	70	40	123×94×190	3.55	ZS2DF02N1J40
	40	29	0	5	3	5	3			120	D	70	40	123×94×190	3.55	ZS2DF02E1J40
	40	29	0	5	3	5	3	3	3	120	D	70	40	123×94×190	3.55	ZS2DF02V1J40
2"	50	48	0	5	3	5	3	3	3	80	D	70	40	168×123×216	5.6	ZS2DF02N1K50
	50	48	0	5	3	5	3			120	D	70	40	168×123×216	5.6	ZS2DF02E1K50
	50	48	0	5	3	5	3	3	3	120	D	70	40	168×123×216	5.6	ZS2DF02V1K50

ZS Stainless Steel Series 2/2-Way Zero Press. Differential 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: 304 stainless steel (standard). 316 stainless steel (special made)
- 3: Max. 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.



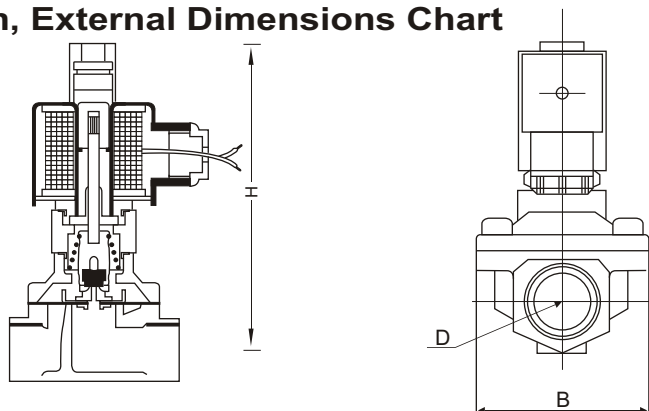
Valve Selection List

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 AC 220			
				Air Gas		Water Hot water Liquids		Light oil ≤20CST								
				AC	DC	AC	DC	AC	DC							
3/8"	4.0	0.6	0	5	3	5	3	3	3	80	D	57	32	52.5×32.5×115	0.7	ZS2DF02N4C04
	4.0	0.6	0	5	3	5	3			120	D	57	32	52.5×32.5×115	0.7	ZS2DF02E4C04
	4.0	0.6	0	5	3	5	3	3	3	120	D	57	32	52.5×32.5×115	0.7	ZS2DF02V4C04
	16	4.8	0	5	3	5	3	3	3	80	D	57	32	69×57×135	1.1	ZS2DF02N4C16
	16	4.8	0	5	3	5	3			120	D	57	32	69×57×135	1.1	ZS2DF02E4C16
	16	4.8	0	5	3	5	3	3	3	120	D	57	32	69×57×135	1.1	ZS2DF02V4C16
1/2"	16	4.8	0	5	3	5	3	3	3	80	D	57	32	69×57×135	1.05	ZS2DF02N4D16
	16	4.8	0	5	3	5	3			120	D	57	32	69×57×135	1.05	ZS2DF02E4D16
	16	4.8	0	5	3	5	3	3	3	120	D	57	32	69×57×135	1.05	ZS2DF02V4D16

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		DC 24			
				AC	DC	AC	DC	AC	DC							
3/4 "	20	7.6	0	5	3	5	3	3	3	80	D	57.2	32	73×57×142	1.2	ZS2DF02N4E20
	20	7.6	0	5	3	5	3			120	D	57.2	32	73×57×142	1.2	ZS2DF02E4E20
	20	7.6	0	5	3	5	3	3	3	120	D	57.2	32	73×57×142	1.2	ZS2DF02V4E20
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
4 Flange Holes	25	12	0	5	3	5	3	3	3	80	D	57	32	140×115×180	3.05	ZS2DF02N4F25
	25	12	0	5	3	5	3			120	D	57	32	140×115×180	3.05	ZS2DF02E4F25
	25	12	0	5	3	5	3	3	3	120	D	57	32	140×115×180	3.05	ZS2DF02V4F25
	32	24	0	5	3	5	3	3	3	80	D	70	40	152×135×235	5.4	ZS2DF02N4F32
	32	24	0	5	3	5	3			120	D	70	40	152×135×235	5.4	ZS2DF02E4F32
	32	24	0	5	3	5	3	3	3	120	D	70	40	152×135×235	5.4	ZS2DF02V4F32
	40	29	0	5	3	5	3	3	3	80	D	70	40	152×145×240	6.4	ZS2DF02N4F40
	40	29	0	5	3	5	3			120	D	70	40	152×145×240	6.4	ZS2DF02E4F40
	40	29	0	5	3	5	3	3	3	120	D	70	40	152×145×240	6.4	ZS2DF02V4F40
	50	48	0	5	3	5	3	3	3	80	D	70	40	195×160×255	8.6	ZS2DF02N4F50
	50	48	0	5	3	5	3			120	D	70	40	195×160×255	8.6	ZS2DF02E4F50
	50	48	0	5	3	5	3	3	3	120	D	70	40	195×160×255	8.6	ZS2DF02V4F50

Construction, External Dimensions Chart



ZS Series 2/2-Way Zero Press. Differential Solenoid Valve

●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	AC220V	82	33	82	28			φ 2.5~	
N01-4101							φ 4~ φ 25	φ 3.0	
D03-5106	AC220V	143	57	143	46			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								
D03-5101	DC24V					32	φ 4~ φ 25		
N03-5101									
A03-5101	DC24V	25							
D03-5102	DC12V					28.5			
D10-6101	AC220V	175	70	175	56		φ 32~ φ 50		
N10-6101									
A10-6101	AC220V	110	44	10	36				
D10-6102	AC110V	110	45	110	36				
N10-6102									
A10-6102	AC110V	110	44	110	36				
D10-6104	DC24V					40			
N10-6104									
A10-6104	DC24V					49			