

SLA 2/2-Way Pilot Operated Piston Solenoid Valve • Normally Closed

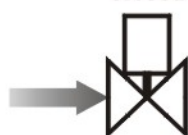
● The Professional Solenoid Valves Manufactory

- 1:** 2-Way normally closed solenoid valve; Closed when de-energized, open when energized.
- 2:** Body material: brass
- 3:** Max. Allowable pressure 40kgf/cm²;
Ambient Temp. 0°C~65°C (F CLASS) , 0°C~80°C (H CLASS)
- 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,Standard storage: 220VAC/230VAC/240VAC 50/60HZ 24V
- 8:** This series valves are offered Teflon for Seals to provide on-off control of various fluids.



Normally Closed

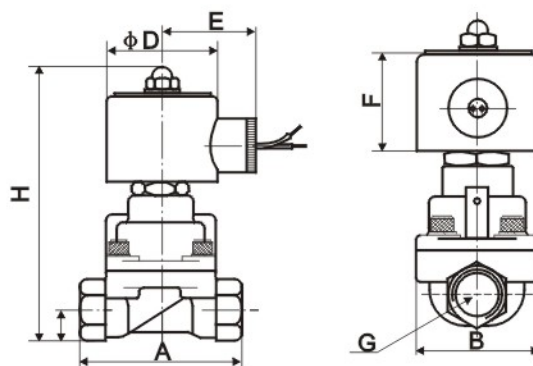
De-energized
Closed



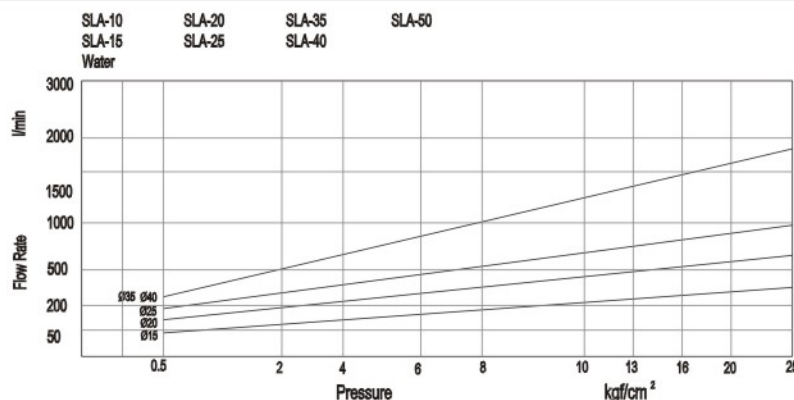
Energized
Open



Construction, External Dimensions Chart



Flow Chart



SLA 2/2-Way Pilot Operated Piston Solenoid Valve • Normally Closed

●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 Type	Power consumption		Coil Class	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		Steam AC/ DC										
				AC	DC	AC	DC	AC	DC											
1/8"	2.5	0.23	0	8	8	8	8	6	6	10	180	S	22	13	H	48×25×85.5	0.45	SLA1SH02T1AC3		
	2.5	0.23	0	13	13	13	13	7	7		110	D	22	13	F	48×25×85.5	0.45	SLA1DF02V1AC3		
	2.5	0.23	0	13	13	13	13	5	5		135	D	22	13	H	48×25×85.5	0.45	SLA1DF02E1AC3		
	2.5	0.23	0	13	13	13	13	7	7		80	D	22	13	F	48×25×85.5	0.45	SLA1DF02N1AC3		
	4.5	0.6	0	7	4	7	4	4	4	7	165	S	22	13	H	58×25×85.5	0.55	SLA1SH02T1AC6		
	4.5	0.6	0	7	4	7	4	4	4		110	D	22	13	F	58×25×85.5	0.55	SLA1DF02V1AC6		
	4.5	0.6	0	7	4	7	4	4	4		135	D	22	13	H	58×25×85.5	0.55	SLA1DF02E1AC6		
	4.5	0.6	0	7	4	7	4	4	4		80	D	22	13	F	58×25×85.5	0.55	SLA1DF02N1AC6		
1/4"	2.5	0.23	0	7	4	7	4	4	4	10	180	S	22	13	H	48×25×85.5	0.4	SLA1SH02T1BC3		
	2.5	0.23	0	13	13	13	13	7	7		110	D	22	13	F	48×25×85.5	0.4	SLA1DF02V1BC3		
	2.5	0.23	0	13	13	13	13	7	7		135	D	22	13	H	48×25×85.5	0.4	SLA1DF02E1BC3		
	2.5	0.23	0	13	13	13	13	7	7		80	D	22	13	F	48×25×85.5	0.4	SLA1DF02N1BC3		
	4.5	0.6	0	7	4	7	4	4	4	7	165	S	22	13	H	58×25×85.5	0.5	SLA1SH02T1BC6		
	4.5	0.6	0	7	4	7	4	4	4		110	D	22	13	F	58×25×85.5	0.5	SLA1DF02V1BC6		
	4.5	0.6	0	7	4	7	4	4	4		135	D	22	13	H	58×25×85.5	0.5	SLA1DF02E1BC6		
	4.5	0.6	0	7	4	7	4	4	4		80	D	22	13	F	58×25×85.5	0.5	SLA1DF02N1BC6		
3/8"	15	4.5	0.5	25	20	25	20	20	20		110	D	33	32	F	75×52×129	1.25	SLA1DF02T1C15		
	15	4.5	0.5	25	20	25	20	20	20	10	185	W	30	25	H	75×52×129	1.25	SLA1WH02T1C15		
1/2"	15	4.5	0.5	25	20	25	20	20	20		110	D	33	32	F	75×52×129	1.2	SLA1DF02T1D15		
	15	4.5	0.5	25	20	25	20	20	20	10	185	W	30	25	H	75×52×129	1.2	SLA1WH02T1D15		
3/4"	20	9.0	0.5	25	20	25	20	20	20		110	D	33	32	F	85×60×141	1.5	SLA1DF02T1E20		
	20	9.0	0.5	25	20	25	20	20	20	10	185	W	30	25	H	85×60×141	1.5	SLA1WH02T1E20		
1"	25	13	0.5	25	20	25	20	20	20		110	D	33	32	F	100×70×148	1.9	SLA1DF02T1G25		
	25	13	0.5	25	20	25	20	20	20	10	185	W	30	25	H	100×70×148	1.9	SLA1WH02T1G25		
1 1/4"	35	26	0.5	25	20	25	20	20	20		110	D	33	32	F	120×90×168	3.6	SLA1DF02T1H35		
	35	26	0.5	25	20	25	20	20	20	10	185	W	30	25	H	120×90×168	3.6	SLA1WH02T1H35		
1 1/2"	35	26	0.5	25	20	25	20	20	20		110	D	33	32	F	120×90×168	3.5	SLA1DF02T1J35		
	35	26	0.5	25	20	25	20	20	20	10	185	W	30	25	H	120×90×168	3.5	SLA1WH02T1J35		
2"	45	45	0.5	25	20	25	20	20	20		110	D	33	32	F	150×110×190	4.5	SLA1DF02T1K50		
	45	45	0.5	25	20	25	20	20	20	10	185	W	30	25	H	150×110×190	4.5	SLA1WH02T1K50		

SLA 2/2-Way Pilot Operated Piston 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 (standard), 316 stainless steel (special made)
- 3:** Max. Allowable pressure 40kgf/cm²;
Ambient Temp. 0°C~65°C (F CLASS), 0°C~80°C (H CLASS)
- 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, Standard storage: 220VAC/230VAC/240VAC 50/60HZ 24VDC
- 8:** This series valves are offered Teflon for Seals 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 Type	Power consumption		Coil Class	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		Steam AC/ DC									
																			AC
3/8"	15	4.5	0.5	25	20	25	20	20	20		110	D	33	32	F	75×52×129	1.25	SLA1DF02T4C15	
	15	4.5	0.5	25	20	25	20	20	20	10	185	W	30	25	H	75×52×129	1.25	SLA1WH02T4C15	
1/2"	15	4.5	0.5	25	20	25	20	20	20		110	D	33	32	F	75×52×129	1.2	SLA1DF02T4D15	
	15	4.5	0.5	25	20	25	20	20	20	10	185	W	30	25	H	75×52×129	1.2	SLA1WH02T4D15	
3/4"	20	9.0	0.5	25	20	25	20	20	20		110	D	33	32	F	85×60×141	1.5	SLA1DF02T4E20	
	20	9.0	0.5	25	20	25	20	20	20	10	185	W	30	25	H	85×60×141	1.5	SLA1WH02T4E20	
1"	25	13	0.5	25	20	25	20	20	20		110	D	33	32	F	100×70×148	1.9	SLA1DF02T4G25	
	25	13	0.5	25	20	25	20	20	20	10	185	W	30	25	H	100×70×148	1.9	SLA1WH02T4G25	
1 1/4"	35	26	0.5	25	20	25	20	20	20		110	D	33	32	F	120×90×168	3.6	SLA1DF02T4H35	
	35	26	0.5	25	20	25	20	20	20	10	185	W	30	25	H	120×90×168	3.6	SLA1WH02T4H35	
1 1/2"	35	26	0.5	25	20	25	20	20	20		110	D	33	32	F	120×90×168	3.5	SLA1DF02T4J35	
	35	26	0.5	25	20	25	20	20	20	10	185	W	30	25	H	120×90×168	3.5	SLA1WH02T4J35	
2"	45	45	0.5	25	20	25	20	20	20		110	D	33	32	F	150×110×190	4.2	SLA1DF02T4F50	
	45	45	0.5	25	20	25	20	20	20	10	185	W	30	25	H	150×110×190	4.2	SLA1WH02T4K50	

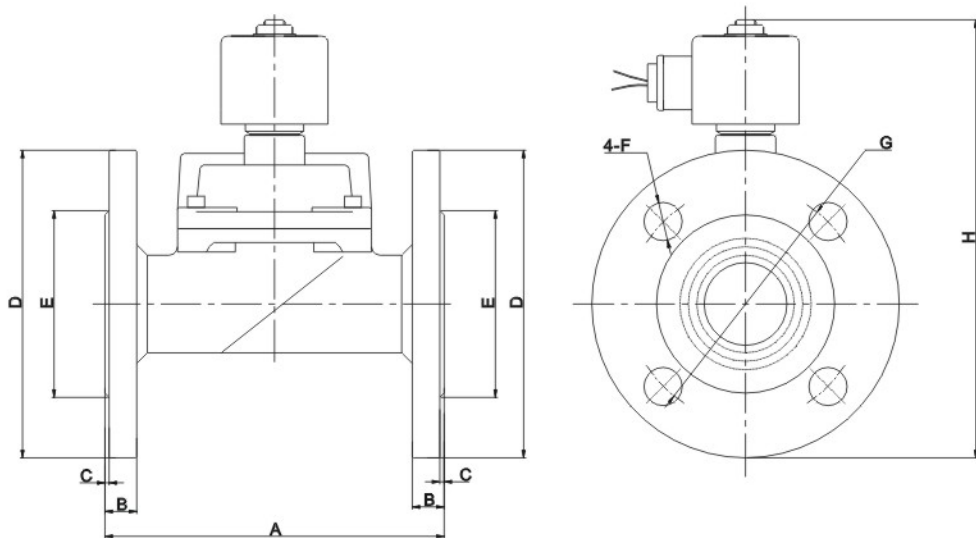
SLA 2/2-Way Pilot Operated Piston Solenoid Valve • Normally Closed

●The Professional Solenoid Valves Manufactory

Valve Selection List (Flange Connection)

Orifice mm	CV Factor	Operating pressure differential (kgf/cm ²)								Max. Fluids Temp.	Coil		Power consumption		Weight KG	Model Code Follows Voltage are 220VAC 50/60HZ	
		Min.	Max.								Type	Class					
			Air Gas		Water Hot water Liquids		Light oil		Steam								
													AC/DC	VA AC 220 V			W DC 24 V
			AC	DC	AC	DC	AC	DC									
25	13	0.5	25	20	25	20	20	20		110	D	F	33	32	3.4	SLA1DF02T4F25	
25	13	0.5	25	20	25	20	20	20	10	185	W	H	30	25	3.4	SLA1WH02T4F25	
35	26	0.5	25	20	25	20	20	20		110	D	F	33	32	6	SLA1DF02T4F35	
35	26	0.5	25	20	25	20	20	20	10	185	W	H	30	25	6	SLA1WH02T4F35	
40	26	0.5	25	20	25	20	20	20		110	D	F	33	32	6.5	SLA1DF02T4F40	
40	26	0.5	25	20	25	20	20	20	10	185	W	H	30	25	6.5	SLA1WH02T4F40	
50	45	0.5	25	20	25	20	20	20		110	D	F	33	32	7.3	SLA1DF02T4F50	
50	45	0.5	25	20	25	20	20	20	10	185	W	H	30	25	7.3	SLA1WH02T4F50	

Construction, External Dimensions Chart

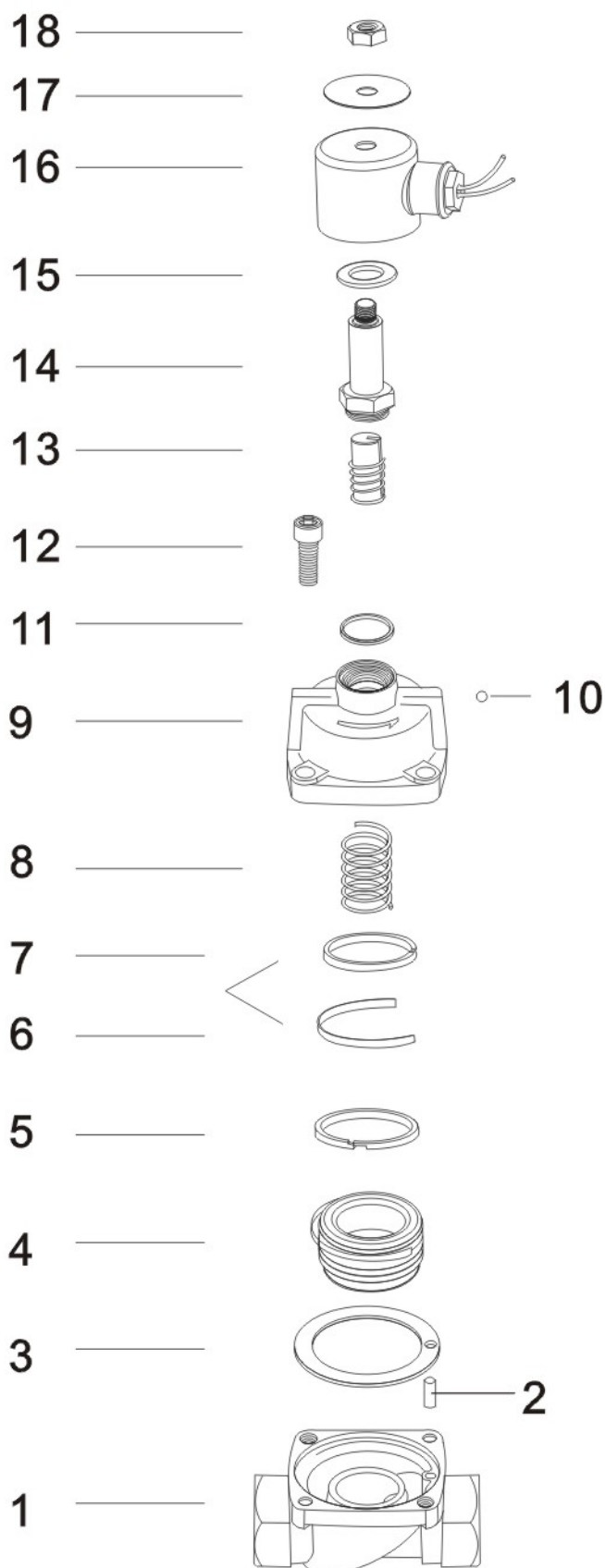


Model	A	B	C	φD	φE	φF	φG	H
Dn25	134	13	2	110	58	4-14	85	185
DN32	160	15	2	135	76	4-18	100	200
DN40	160	15	2	145	84	4-18	125	205
DN50	200	160	2	155	88	4-18	125	250

SLA 2/2-Way Pilot Operated Piston Solenoid Valve • Normally Closed

● The Professional Solenoid Valves Manufactory

Components Chart

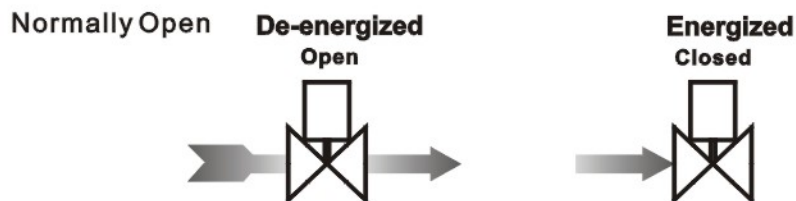


Code	Components
01	Valve Body
02	Fixed Bolt
03	Body Seals Ring
04	Piston Assembly
05	Piston Ring 1
06	Elastic Ring
07	Piston Ring 2
08	Piston Spring
09	Valve Cover
10	Steel Ball
11	Plunger Tube Seal Ring
12	Bolts
13	Plunger Assembly
14	Plunger Tube Assembly
15	Plate
16	Coil
17	Label
18	Locknut

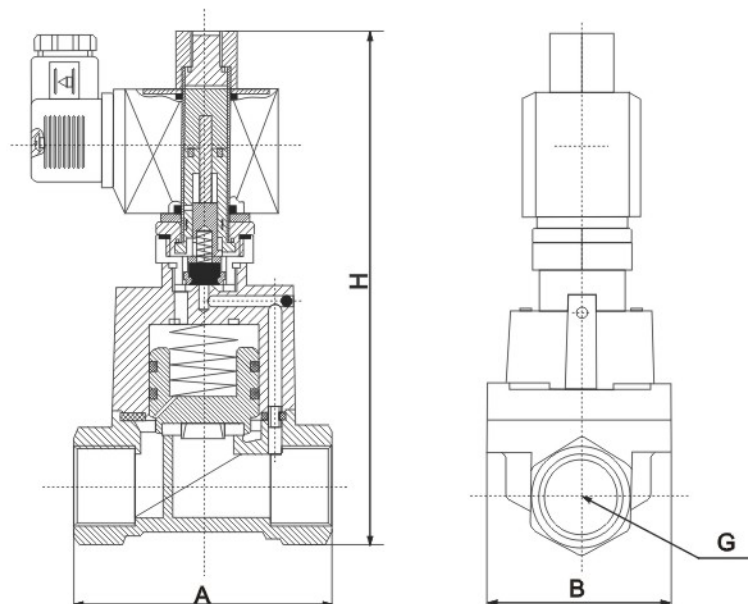
SLA 2/2-Way Pilot Operated Piston Solenoid Valve · Normally Open

● The Professional Solenoid Valves Manufactory

- 1:** 2-Way normally open solenoid valve;
Open when de-energized, closed when energized.
- 2:** Body material: forged brass
- 3:** Max. Allowable pressure 12kgf/cm²;
Ambient Temp. 0℃~65℃ (F CLASS) , 0℃~80℃ (H CLASS)
- 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 Teflon for Seals to provide on-off control of various fluids.



Construction, External Dimensions Chart



SLA 2/2-Way Pilot Operated Piston 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 Type	Power consumption		Coil Class	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	Steam								
3/8"	15	4.5	0.5	8	8	8	8	110	D	33	32	F	75×52×147	1.45	SLA2DF02V1C15
	15	4.5	0.5	8	8	8	8	185	W	33	32	H	75×52×147	1.45	SLA2WH02T1C15
1/2"	15	4.5	0.5	8	8	8	8	110	D	33	32	F	75×52×147	1.4	SLA2DF02V1D15
	15	4.5	0.5	8	8	8	8	185	W	33	32	H	75×52×147	1.4	SLA2WH02T1D15
3/4"	20	9.0	0.5	8	8	8	8	110	D	33	32	F	85×60×159	1.7	SLA2DF02V1E20
	20	9.0	0.5	8	8	8	8	185	W	33	32	H	85×60×159	1.7	SLA2WH02T1E20
1"	25	13	0.5	8	8	8	8	110	D	33	32	F	100×70×166	2.1	SLA2DF02V1G25
	25	13	0.5	8	8	8	8	185	W	33	32	H	100×70×166	2.1	SLA2WH02T1G25
1 1/4"	35	26	0.5	6	6	6	6	110	D	33	32	F	120×90×186	3.8	SLA2DF02V1H35
	35	26	0.5	6	6	6	6	170	W	33	32	H	120×90×186	3.8	SLA2WH02T1H35
1 1/2"	35	26	0.5	6	6	6	6	110	D	33	32	F	120×90×186	3.7	SLA2DF02V1J35
	35	26	0.5	6	6	6	6	170	W	33	32	H	120×90×186	3.7	SLA2WH02T1J35
2"	50	48	0.5	6	6	6	6	110	D	33	32	F	150×110×205	4.7	SLA2DF02V1K50
	50	48	0.5	6	6	6	6	170	W	33	32	H	150×110×205	4.7	SLA2WH02T1K50

SLA 2/2-Way Pilot Operated Piston 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 forged 304 stainless steel (standard) , 316 stainless steel (special made)
- 3: Max. Allowable pressure 12kgf/cm²; Ambient Temp. 0℃~65℃ (F CLASS) , 0℃~80℃ (H CLASS)
- 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 Teflon for Seals 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 Type	Power consumption		Coil Class	External Dimensions Length xWidth x Height A x B x H	Weight KG	Model Code Follows Voltage are 220VAC 50/60HZ
			Max.				VA AC 220 V			W DC 24 V					
			Min.	Air Gas	Water Hot water Liquids	Light oil					Steam				
3/8"	15	4.5	0.5	8	8	8	8	110	D	33	32	F	75×52×147	1.45	SLA2DF02V4C15
	15	4.5	0.5	8	8	8	8	185	W	33	32	H	75×52×147	1.45	SLA2WH02T4C15
1/2"	15	4.5	0.5	8	8	8	8	110	D	33	32	F	75×52×147	1.4	SLA2DF02V4D15
	15	4.5	0.5	8	8	8	8	185	W	33	32	H	75×52×147	1.4	SLA2WH02T4D15
3/4"	20	9.0	0.5	8	8	8	8	110	D	33	32	F	85×60×159	1.7	SLA2DF02V4E20
	20	9.0	0.5	8	8	8	8	185	W	33	32	H	85×60×159	1.7	SLA2WH02T4E20
1"	25	13	0.5	8	8	8	8	110	D	33	32	F	100×70×166	2.1	SLA2DF02V4G25
	25	13	0.5	8	8	8	8	185	W	33	32	H	100×70×166	2.1	SLA2WH02T4G25
1 1/4"	35	26	0.5	6	6	6	6	110	D	33	32	F	120×90×186	3.8	SLA2DF02V4H35
	35	26	0.5	6	6	6	6	185	W	33	32	H	120×90×186	3.8	SLA2WH02T4H35
1 1/2"	35	26	0.5	6	6	6	6	110	D	33	32	F	120×90×186	3.7	SLA2DF02V4J35
	35	26	0.5	6	6	6	6	185	W	33	32	H	120×90×186	3.7	SLA2WH02T4J35
2"	50	48	0.5	6	6	6	6	110	D	33	32	F	150×110×205	4.7	SLA2DF02V4K50
	50	48	0.5	6	6	6	6	170	W	33	32	H	150×110×205	4.7	SLA2WH02T4K50

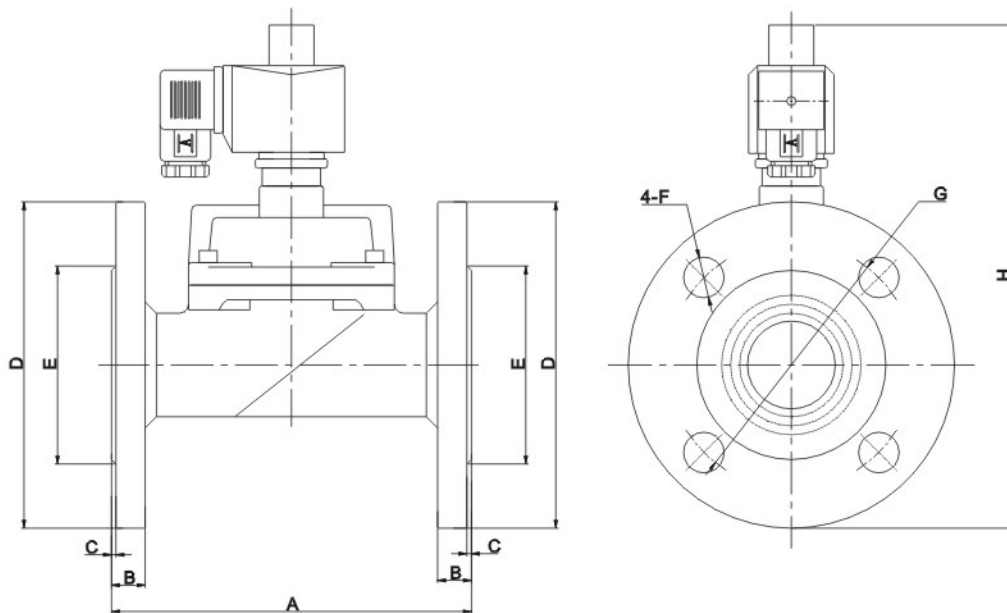
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Valve Selection List (Flange Connection)

Orifice mm	CV Factor	Operating pressure differential (kgf/cm ²)								Max. Fluids Temp.	Coil		Power consumption		Weight KG	Model Code Follows Voltage are 220VAC 50/60HZ	
		Min.	Max.								Type	Class					
			Air Gas		Water Hot water Liquids		Light oil		Steam AC/ DC				VA	W			
			AC	DC	AC	DC	AC	DC					AC 220 V	DC 24 V			
25	13	0.5	10	10	10	10	10	10	0	110	D	F	33	32	3.6	SLA2DF02V4F25	
25	13	0.5	10	10	10	10	10	10	10	185	W	H	33	32	3.6	SLA2WH02T4F25	
35	26	0.5	6	6	6	6	6	6	6	110	D	F	33	32	6.2	SLA2DF02V4F35	
35	26	0.5	6	6	6	6	6	6	6	185	W	H	33	32	6.2	SLA2WH02T4F35	
40	26	0.5	6	6	6	6	6	6	6	110	D	F	33	32	6.7	SLA2DF02V4F40	
40	26	0.5	6	6	6	6	6	6	6	185	W	H	33	32	6.7	SLA2WH02T4F40	
45	45	0.5	6	6	6	6	6	6	6	110	D	F	33	32	7.5	SLA2DF02V4F50	
45	45	0.5	6	6	6	6	6	6	6	185	W	H	33	32	7.5	SLA2WH02T4F50	

Construction, External Dimensions Chart



Model	A	B	C	φD	φE	φF	φG	H
Dn25	134	13	2	110	58	4-14	85	172
DN32	160	15	2	135	76	4-18	100	187
DN40	160	15	2	145	84	4-18	125	192
DN50	200	160	2	155	88	4-18	125	219

SLA Series Coil parameters tables

● The Professional Solenoid Valves Manufactory

SLA Series Coils Characteristics List

Coils Model Code	Voltage	Power consumption					Suitable Valve Model
		50HZ VA		60HZ VA		DC	
		Inrush	Holding	Inrush	Holding	W	
D04-3101	AC220V	55	22	55	18		SLA Normally Closed Series φ 2.5~4.5mm
D04-3102	AC110V	55	22	55	18	——	
D04-3106	DC24V					13	
D04-3107	DC12V					13	
D01-4101	AC220V	82	33	82	28		SLA Normally Closed Series
W08-		67	27	67	22		
D01-4102	AC110V	82	33	82	28		
W08-		67	27	67	22		
D03-5101	DC24V					20	
W08-						24	
D01-4101	AC220V	82	33	82	28		SLA Normally Open Series
D01-4102	AC110V	82	33	82	28		
D03-5101	DC24V					20	
D03-5102	DC12V					28	