

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

● The Professional Solenoid Valves Manufactory

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 (ϕ mm)	Options
E.G.	SLA	1	W	H	01	T	1	D	15	☐
	SLA Series	1: Normally Closed 2: Normally Open	W: Metallic Housing, Lead wires A: Metallic Housing, DIN Standard D: DIN Standard Connections, Fully Encapsulated N: Lead Wires, Water-tight, Fully Encapsulated S: NASS Coil X: Explosion-proof	H: Class F: Class H: Class F: Class	02=220VAC 230VAC 50/60HZ 01=110VAC 120VAC 50/60HZ 05=24VAC 13=DC24V 12=DC12V Contact the company for other voltages	T: Teflon (for orifice under ϕ 5.5mm only) V: VITON E: EPDM N: NBR	1=Forged Brass 4=SS304 (Normal regualtions) 3=SS316 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 Others M: M10 $\times$ 1	C3=2.5 C6=4.5 15=15. C6=4.5 15=15. 20=20. 25=25. 35=35. 50=50. 25=25. 35=35. 40=35. 50=50. C7=5.5	L: Neon Lamp N: NPT Connection T: Timers

SLA Brass Series • 2/2-Way Piston Solenoid Valve • Normally Closed

- 1:** 2-Way normally closed solenoid valve; Closed when de-energized, open when energized.
- 2:** Body material: brass
- 3:** Max. 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.



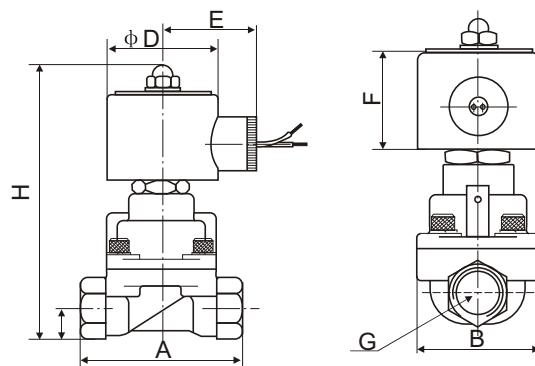
Normally Closed

De-energized

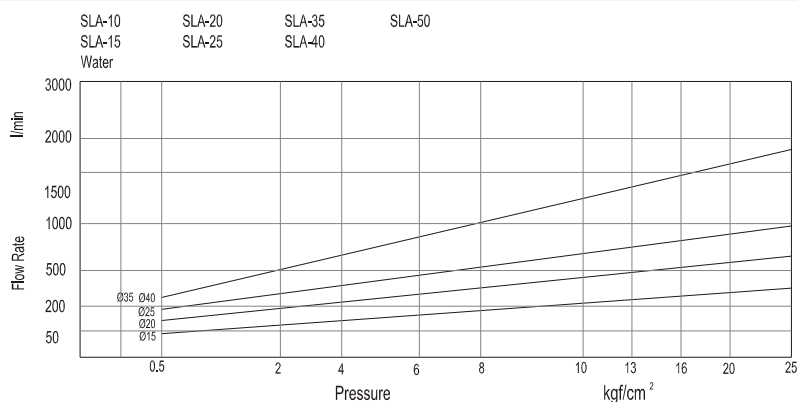
Energized



Construction, External Dimensions Chart



Flow Chart



SLA Brass Series • 2/2-Way Piston Solenoid Valve • Normally Closed

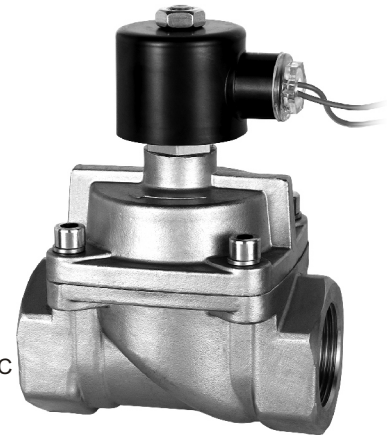
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Valve Selection List

Pipe Conn- ection	Orifice mm	CV Factor	Operating pressure differential (kgf/cm ²)								Max. Fluids Temp.	Coil 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.														
				Air Gas		Water Hot water Liquids		Light oil		Steam			AC/ DC					
	AC	DC	AC	DC	AC	DC		VA AC 220 V	W DC 24 V									
1/8"	2.5	0.23	0	8	8	8	8	6	6	10	180	D	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	D	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	D	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	D	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

SLA Stainless Steel Series • 2/2-Way Piston Solenoid Valve • Normally Closed

- 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. 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.



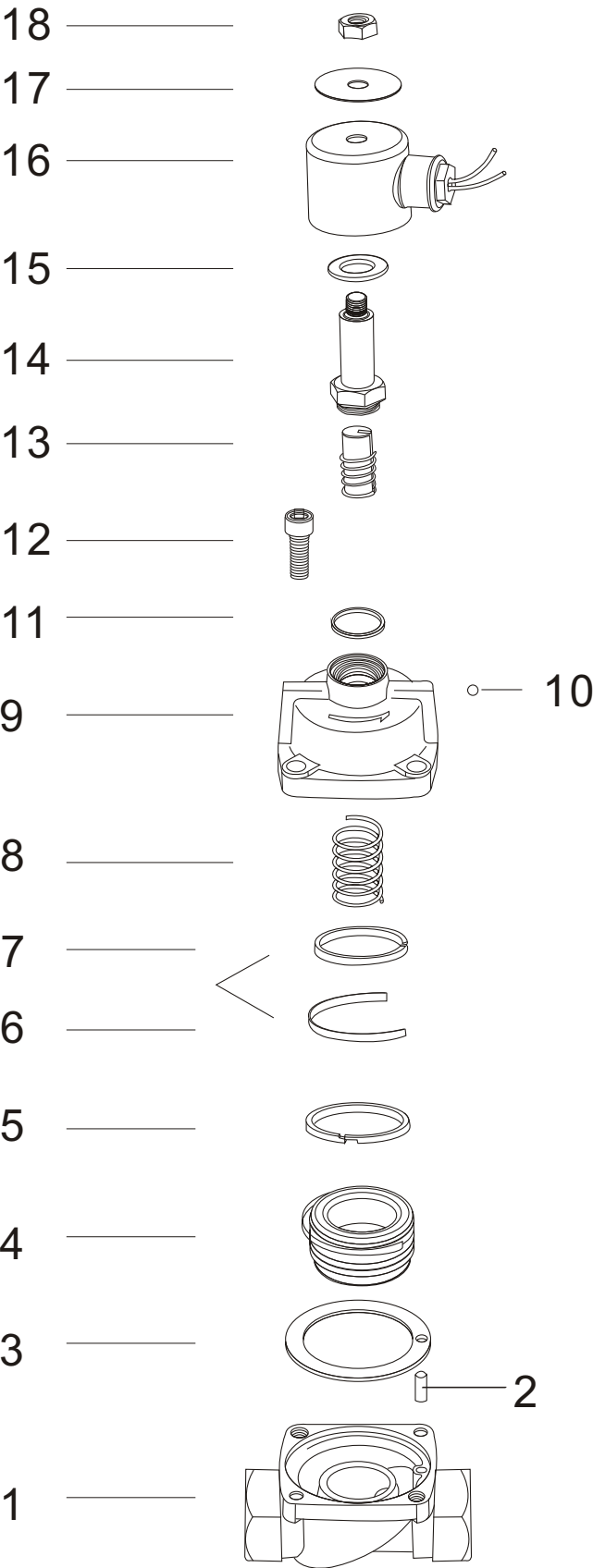
Valve Selection List

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.														
				Air Gas		Water Hot water Liquids		Light oil		Steam AC/ DC								
AC	DC	AC	DC	AC	DC	AC	DC											
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"	50	48	0.5	25	20	25	20	20	20		110	D	33	32	F	150×110×190	4.2	SLA1DF02T4F50
	50	48	0.5	25	20	25	20	20	20	10	185	W	30	25	H	150×110×190	4.2	SLA1WH02T4K50
1" Flange Connection	25	13	0.5	25	20	25	20	20	20		110	D	33	32	F	134×110×185	3.4	SLA1DF02T4F25
	25	13	0.5	25	20	25	20	20	20	10	185	W	30	25	H	134×110×185	3.4	SLA1WH02T4F25
1 1/4" Flange Connection	35	26	0.5	25	20	25	20	20	20		110	D	33	32	F	160×135×200	6	SLA1DF02T4F35
	35	26	0.5	25	20	25	20	20	20	10	185	W	30	25	H	160×135×200	6	SLA1WH02T4F35
1 1/2" Flange Connection	40	26	0.5	25	20	25	20	20	20		110	D	33	32	F	160×145×205	6.5	SLA1DF02T4F40
	40	26	0.5	25	20	25	20	20	20	10	185	W	30	25	H	160×145×205	6.5	SLA1WH02T4F40

SLA Series 2/2-Way Piston Solenoid Valve

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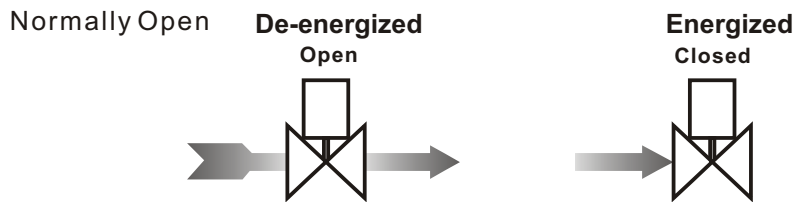
Components Chart



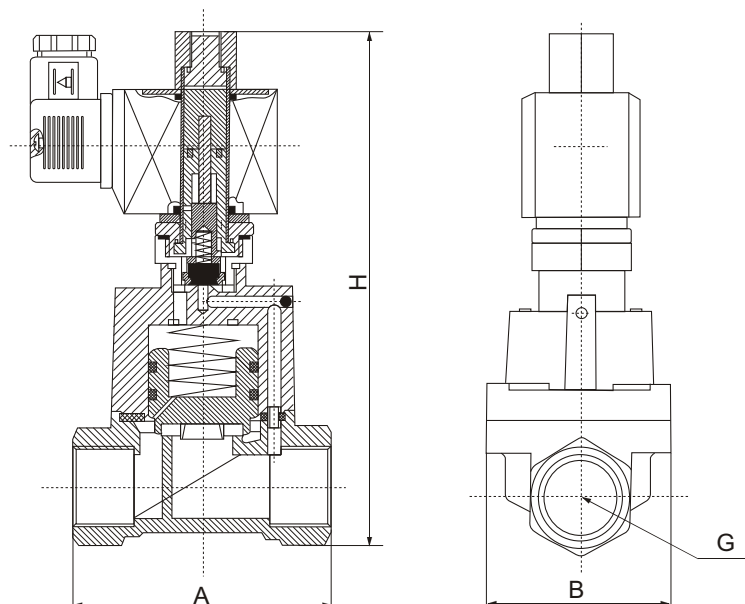
Code	Components
01	Valve Body
02	Bolt
03	Body Seals Ring
04	Piston Assembly
05	Piston Ring 1
06	Elastic Ring
07	Piston Ring 2
08	Piston Spring
09	Valve Cover
10	Steel Ball
11	Plunger Tube Seal Ring
12	Screw
13	Plunger Assembly
14	Plunger Tube Assembly
15	Plate
16	Coil
17	Label
18	Locknut

SLA Brass Series • 2/2-Way Piston Solenoid Valve • Normally Open

- 1:** 2-Way normally open solenoid valve;
Open when de-energized, closed when energized.
- 2:** Body material: forged brass
- 3:** Max. Pressure 12kgf/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:** This series valves are offered Teflon for Seals to provide on-off control of various fluids.



Construction, External Dimensions Chart



SLA Brass Series • 2/2-Way 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

SLA Stainless Steel Series • 2/2-Way Piston Solenoid Valve • Normally Open

- 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. 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

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 220 V	W 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	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
1" Flange Connection	25	13	0.5	8	8	8	8	110	D	33	32	F	134×110×200	3.6	SLA2DF02V4F25
	25	13	0.5	8	8	8	8	185	W	33	32	H	134×110×200	3.6	SLA2WH02T4F25
1 1/4" Flange Connection	35	26	0.5	6	6	6	6	110	D	33	32	F	160×134×215	6.2	SLA2DF02V4F35
	35	26	0.5	6	6	6	6	185	W	33	32	H	160×134×215	6.2	SLA2WH02T4F35
1 1/2" Flange Connection	40	26	0.5	6	6	6	6	110	D	33	32	F	160×145×200	6.7	SLA2DF02V4F40
	40	26	0.5	6	6	6	6	185	W	33	32	H	160×145×200	6.7	SLA2WH02T4F40

SLA Series 2/2-Way Piston Solenoid Valve

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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~ φ 4.5
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						32	
W08-	DC24V					24	
D01-4101	AC220V	82	33	82	28		SLA Normally Open Series
D01-4102	AC110V	82	33	82	28		
D03-5101	DC24V					32	
D03-5102	DC12V					28	