# SLA 2/2-Way Pilot Operated 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. Allowable pressure 40kgf/cm$^2$;
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:** 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$^2$ ) Min. | Max. Air Gas AC | Max. Air Gas DC | Max. Water Hot water Liquids AC | Max. Water Hot water Liquids DC | Max. Light oil AC | Max. Light oil DC | Max. Steam AC/DC | Max. Fluids Temp. | Coil Type | Power consumption VA AC 220 V | Power consumption W DC 24 V | Coil Class | External Dimensions Length x Width x Height A x B x H | Model Code Follows Voltage are 220VAC 50/60HZ | Weight (KG) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/8" | 15 | 4.5 | 0.5 | 25 | 20 | 25 | 20 | 20 | 20 | | 110 | D | 20 | 20 | F | 75×52×129 | SLA1DF02T4C15 | 1.25 |
| | 15 | 4.5 | 0.5 | 25 | 20 | 25 | 20 | 20 | 20 | 10 | 185 | W | 30 | 25 | H | 75×52×129 | SLA1WH02T4C15 | 1.25 |
| 1/2" | 15 | 4.5 | 0.5 | 25 | 20 | 25 | 20 | 20 | 20 | | 110 | D | 20 | 20 | F | 75×52×129 | SLA1DF02T4D15 | 1.2 |
| | 15 | 4.5 | 0.5 | 25 | 20 | 25 | 20 | 20 | 20 | 10 | 185 | W | 30 | 25 | H | 75×52×129 | SLA1WH02T4D15 | 1.2 |
| 3/4" | 20 | 9.0 | 0.5 | 25 | 20 | 25 | 20 | 20 | 20 | | 110 | D | 20 | 20 | F | 85×60×141 | SLA1DF02T4E20 | 1.5 |
| | 20 | 9.0 | 0.5 | 25 | 20 | 25 | 20 | 20 | 20 | 10 | 185 | W | 30 | 25 | H | 85×60×141 | SLA1WH02T4E20 | 1.5 |
| 1" | 25 | 13 | 0.5 | 25 | 20 | 25 | 20 | 20 | 20 | | 110 | D | 20 | 20 | F | 100×70×148 | SLA1DF02T4G25 | 1.9 |
| | 25 | 13 | 0.5 | 25 | 20 | 25 | 20 | 20 | 20 | 10 | 185 | W | 30 | 25 | H | 100×70×148 | SLA1WH02T4G25 | 1.9 |
| 1 1/4" | 35 | 26 | 0.5 | 25 | 20 | 25 | 20 | 20 | 20 | | 110 | D | 20 | 20 | F | 120×90×168 | SLA1DF02T4H35 | 3.6 |
| | 35 | 26 | 0.5 | 25 | 20 | 25 | 20 | 20 | 20 | 10 | 185 | W | 30 | 25 | H | 120×90×168 | SLA1WH02T4H35 | 3.6 |
| 1 1/2" | 35 | 26 | 0.5 | 25 | 20 | 25 | 20 | 20 | 20 | | 110 | D | 20 | 20 | F | 120×90×168 | SLA1DF02T4J35 | 3.5 |
| | 35 | 26 | 0.5 | 25 | 20 | 25 | 20 | 20 | 20 | 10 | 185 | W | 30 | 25 | H | 120×90×168 | SLA1WH02T4J35 | 3.5 |
| 2" | 45 | 45 | 0.5 | 25 | 20 | 25 | 20 | 20 | 20 | | 110 | D | 20 | 20 | F | 150×110×190 | SLA1DF02T4F50 | 4.2 |
| | 45 | 45 | 0.5 | 25 | 20 | 25 | 20 | 20 | 20 | 10 | 185 | W | 30 | 25 | H | 150×110×190 | SLA1WH02T4K50 | 4.2 |

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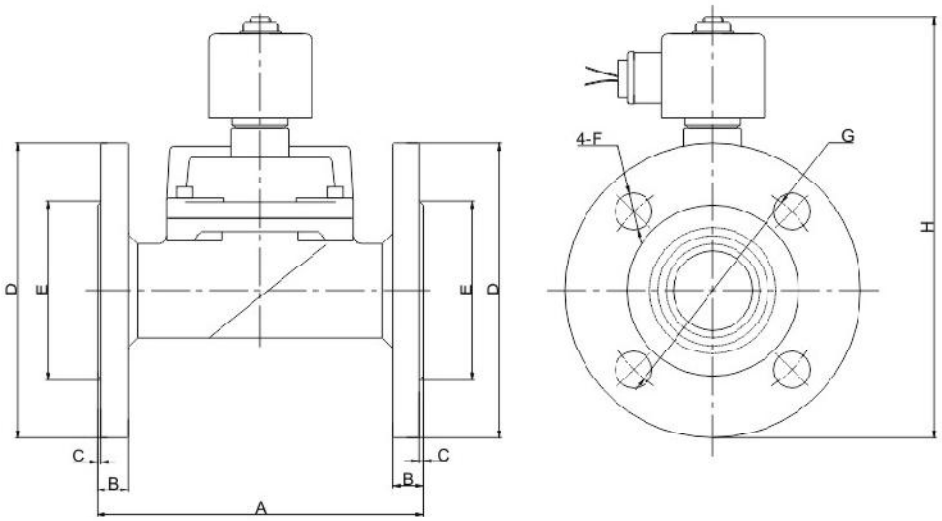
## Valve Selection List (Flange Connection)

| Orifice mm | CV Factor | Operating pressure differential ( kgf/cm² ) Min. | Max. Air Gas AC | Max. Air Gas DC | Max. Water Hot water Liquids AC | Max. Water Hot water Liquids DC | Max. Light oil AC | Max. Light oil DC | Max. Steam AC/DC | Max. Fluids Temp. | Coil Type | Coil Class | Power consumption VA AC 220 V | Power consumption W DC 24 V | Model Code Follows Voltage are 220VAC 50/60HZ | Weight (KG) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | 13 | 0.5 | 25 | 20 | 25 | 20 | 20 | 20 | | 110 | D | F | 20 | 20 | SLA1DF02T4F25 | 3.4 |
| 25 | 13 | 0.5 | 25 | 20 | 25 | 20 | 20 | 20 | 10 | 185 | W | H | 30 | 25 | SLA1WH02T4F25 | 3.4 |
| 35 | 26 | 0.5 | 25 | 20 | 25 | 20 | 20 | 20 | | 110 | D | F | 20 | 20 | SLA1DF02T4F35 | 6 |
| 35 | 26 | 0.5 | 25 | 20 | 25 | 20 | 20 | 20 | 10 | 185 | W | H | 30 | 25 | SLA1WH02T4F35 | 6 |
| 40 | 26 | 0.5 | 25 | 20 | 25 | 20 | 20 | 20 | | 110 | D | F | 20 | 20 | SLA1DF02T4F40 | 6.5 |
| 40 | 26 | 0.5 | 25 | 20 | 25 | 20 | 20 | 20 | 10 | 185 | W | H | 30 | 25 | SLA1WH02T4F40 | 6.5 |
| 50 | 45 | 0.5 | 25 | 20 | 25 | 20 | 20 | 20 | | 110 | D | F | 20 | 20 | SLA1DF02T4F50 | 7.3 |
| 50 | 45 | 0.5 | 25 | 20 | 25 | 20 | 20 | 20 | 10 | 185 | W | H | 30 | 25 | SLA1WH02T4F50 | 7.3 |

## 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 | 110 | 205 |
| DN50 | 200 | 16 | 2 | 155 | 88 | 4-18 | 125 | 250 |

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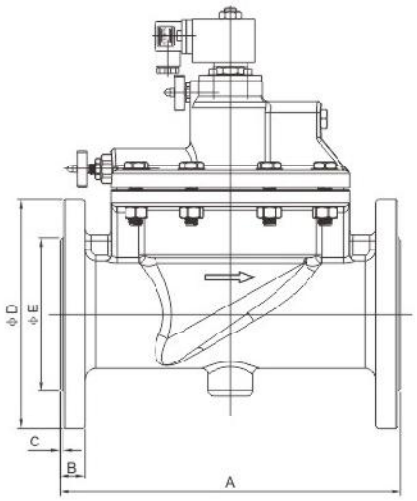
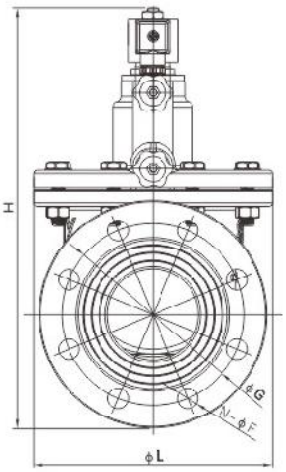
## Valve Selection List (Flange Connection)

| Orifice mm | CV Factor | Operating pressure differential ( kgf/cm² ) Min. | Max. Air Gas AC | Max. Air Gas DC | Max. Water Hot water Liquids AC | Max. Water Hot water Liquids DC | Max. Light oil AC | Max. Light oil DC | Max. Steam AC/DC | Max. Fluids Temp. | Coil Type | Coil Class | Model Code Follows Voltage are 220VAC 50/60HZ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 65 | 52 | 0.5 | 16 | 16 | 16 | 16 | 16 | 16 | | 110 | M | F | SLA1MF02T4F65 |
| 65 | 52 | 0.5 | 16 | 16 | 16 | 16 | 16 | 16 | 10 | 200 | A | H | SLA1AH02T4F65 |
| 80 | 80 | 0.5 | 16 | 16 | 16 | 16 | 16 | 16 | | 110 | M | F | SLA1MF02T4F80 |
| 80 | 80 | 0.5 | 16 | 16 | 16 | 16 | 16 | 16 | 10 | 200 | A | H | SLA1AH02T4F80 |

## Construction, External Dimensions Chart

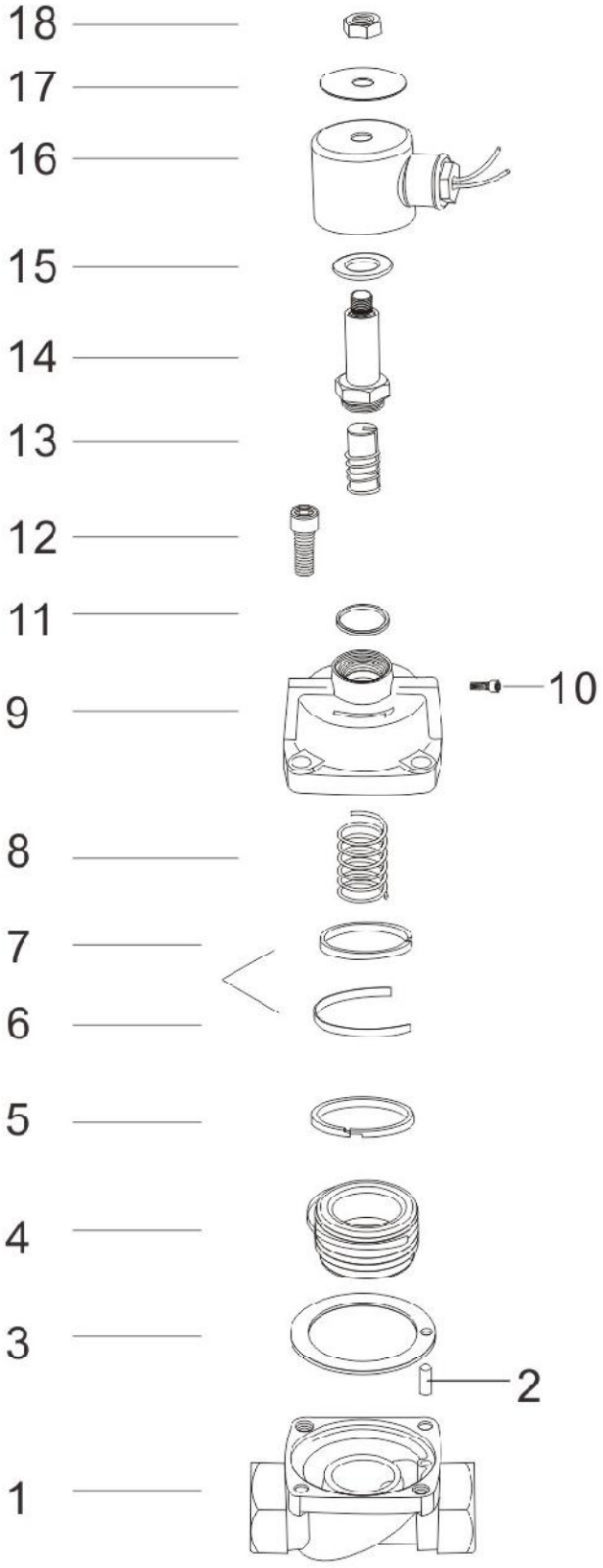


| CODE | A | B | C | D | E | F | G | H | N | Material |
|---|---|---|---|---|---|---|---|---|---|---|
| SLA-65BF | 270 | 22 | 3 | 185 | 125 | 18 | 145 | 335 | 8 | SS304 |
| SLA-80BF | 300 | 22 | 3 | 200 | 135 | 18 | 165 | 370 | 8 | SS304 |

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

### 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 | Lock nut |