

# SMZ Series 2/2-way High Pressure Solenoid Valve · Normally Closed

1. 2/2-way Super High Pressure Solenoid Valve, closed when de-energized, open when energized.
2. The product is special design, power will be normal type 1/4, low temperature, small in size, large flow rate, widely use.
3. Body material: Stainless Steel
4. Ambient temp.: 0°C ~ 65°C    Fluids temp.: 0°C ~ 110°C
5. Flow as the arrow, mounts in any position; Best position is solenoid vertical and upright direction.
6. Voltage: AC 220V/230V/110V    DC 24V  
Voltage Tolerance: +10% to -10% applicable voltage
7. seal material is PTFE (PEEK)



Normally Closed

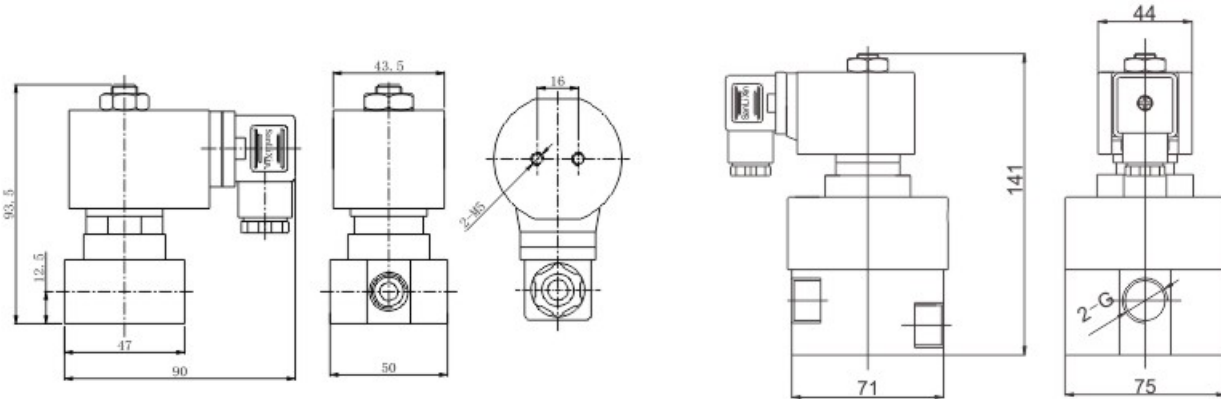
De-energized

Energized



φ 1.0、1.2、1.5 (1/8"、1/4")

φ 10 (1/4"、3/8"、1/2")



## SMZ Series Coil parameters Tables

| Coils Model Code | Voltage | Power  |         | Electricity |         |
|------------------|---------|--------|---------|-------------|---------|
|                  |         | Inrush | Holding | Inrush      | Holding |
| SM-4101          | AC220V  | 130VA  | 6VA     | 590mA       | 28mA    |
| SM-4102          | AC110V  | 95VA   | 8.0VA   | 900mA       | 75mA    |
| SM-4106          | DC24V   | 50W    | 9W      | 2185mA      | 385mA   |
| SM-4104          | AC24V   | 19VA   | 7.0VA   | 930mA       | 360mA   |

# Sanlixin Solenoid Valve

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### Valve Selection List

| Pipe Conn-ection | Orifice mm | CV Factor | Operating pressure differential( kgf/cm <sup>2</sup> ) |         |     |                         |     |                  | Coil Type | Coil Class | Max. fluids Temp. °C | Model Code<br>Follows Voltage is 220VAC<br>seal material is PTFE | Weight Kg     |     |
|------------------|------------|-----------|--|---------|-----|-------------------------|-----|------------------|-----------|------------|----------------------|--|---------------|-----|
|                  |            |           | Min.   | Max.    |     |                         |     |                  |           |            |                      |  |               |     |
|                  |            |           |  | Air Gas |     | Water Hot water Liquids |     | Light oil ≤20CST |           |            |                      |  |               |     |
| AC               | DC         | AC        | DC   | AC      | DC  |                         |     |                  |           |            |                      |  |               |     |
| 1/8"             | 1.0        | 0.04      | 0  | 360     | 260 | 360                     | 260 | 360              | 260       | M          | F                    | 110  | SMZ1MF02T3A01 | 0.8 |
|                  | 1.2        | 0.05      | 0  | 300     | 240 | 300                     | 240 | 300              | 240       | M          | F                    | 110  | SMZ1MF02T3AC1 |     |
|                  | 1.5        | 0.08      | 0  | 250     | 190 | 250                     | 190 | 250              | 190       | M          | F                    | 110  | SMZ1MF02T3AC2 |     |
| 1/4"             | 1.0        | 0.04      | 0  | 360     | 260 | 360                     | 260 | 360              | 260       | M          | F                    | 110  | SMZ1MF02T3B01 | 0.8 |
|                  | 1.2        | 0.05      | 0  | 300     | 240 | 300                     | 240 | 300              | 240       | M          | F                    | 110  | SMZ1MF02T3BC1 |     |
|                  | 1.5        | 0.08      | 0  | 250     | 190 | 250                     | 190 | 250              | 190       | M          | F                    | 110  | SMZ1MF02T3BC2 |     |
|                  | 10         | 1.8       | 1  | 360     | 300 | 360                     | 300 | 360              | 300       | M          | F                    | 110  | SMZ1MF02T3B10 |     |
| 3/8"             | 10         | 2.1       | 1  | 360     | 300 | 360                     | 300 | 360              | 300       | M          | F                    | 110  | SMZ1MF02T3C10 | 3.0 |
| 1/2"             | 10         | 2.1       | 1  | 360     | 300 | 360                     | 300 | 360              | 300       | M          | F                    | 110  | SMZ1MF02T3D10 |     |

Note: Working pressure above 150kgf/cm<sup>2</sup>, seal material need choose PEEK

### Solenoid Valves Model Numbering System for Order

| 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                  |
| SMZ          | 1                  | M                | F          | 02   | N                        | 3             | B  | 05                                    | <input type="checkbox"/> |
| SMZ          | 1: Normally Closed | M=SM Series Coil | F=F Class  | 02= AC220V<br>AC230V<br><br>01= AC110V<br>AC120V<br><br>13=DC24V<br>05=AC24V | T=PTFE<br><br><br>K=PEEK | 3= SS316      | A=1/8"<br>B=1/4"<br><br>C=3/8"<br>B=1/2" | 01=1.0<br>C1=1.2<br>C2=1.5<br>10=10.0 | N=NPT                    |