# Sanlixin Solenoid Valve

## DF Series Pilot Operated Liquid Solenoid Valve

### Specifications

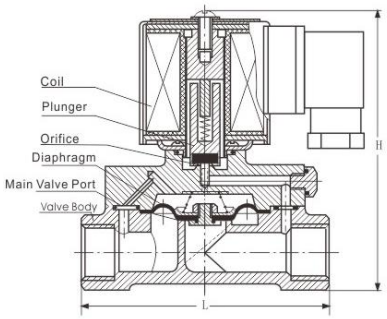
| | |
|---|---|
| 1 | Max operation pressure: 8bar |
| 2 | Operating pressure differential: 0.3-8bar (φ3, φ5Direct acting 0~6 bar) |
| 3 | Ambient temperature: -10℃-50℃ |
| 4 | Fluid media temperature: 0℃-75℃ |
| 5 | Voltage: AC:380V;220V;36V/50Hz DC:12V;24;110V;220V |
| 6 | Insulation class: F class |
| 7 | Power consumption: φ5-φ20 12w φ25-φ100 15w φ1255-φ150 30w, |
| 8 | Coil temperature rising: -15% - 10% |
| 9 | Coil temperature rising: +10% to -10% applicable voltage |
| 10 | fluid media: liquids, air, light oil ＜20CST |
| 11 | Mounting position: flow as arrow, solenoid vertical and upright direction. |
| 12 | Response time: φ3~φ50≤1s Closed≤2s ; φ65~φ150≤3s Closed≤5s |

### Parameters

| Model code | A(mm) | H(mm) | Pipe size(Female Thread) | Body material | Weight(KG) |
|---|---|---|---|---|---|
| DF-15 | 90 | 105 | G 1/2″ | Brass | 1.0 |
| DF- 20 | 100 | 115 | G 3/4″ | | 1.2 |
| DF- 25 | 120 | 135 | G 1″ | | 1.6 |
| DF- 32 | 135 | 145 | G 1 1/4″ | | 2.1 |
| DF- 40 | 145 | 160 | G 1 1/2″ | | 2.7 |
| DF- 50 | 185 | 180 | G 2″ | | 4.3 |

**Construction, external dimensions chart**

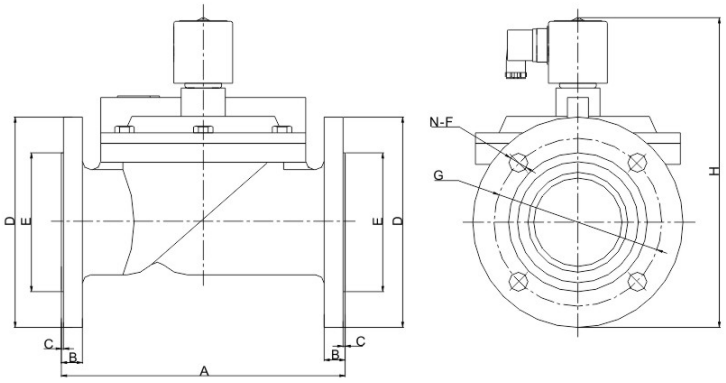
Normally closed




If you want the valve normally open model for example:DF-15H

# DF Series Pilot Operated Liquid Solenoid Valve

## Construction Dimensions Chart




| Model | A | B | C | ΦD | ΦE | ΦF | ΦG | H | N | Body Material |
|---|---|---|---|---|---|---|---|---|---|---|
| DF-40F | 155 | 15 | 2 | 150 | 88 | 18 | 110 | 205 | 4 | Cast Iron |
| DF-50F | 200 | 16 | 2 | 160 | 88 | 18 | 125 | 220 | 4 | |
| DF-65F | 250 | 20 | 3 | 185 | 118 | 18 | 145 | 260 | 4 | |
| DF-80F | 270 | 18 | 2 | 200 | 132 | 18 | 160 | 275 | 4 | |
| DF-100F | 350 | 20 | 2 | 220 | 160 | 18 | 180 | 310 | 8 | |
| DF-125F | 400 | 25 | 3 | 250 | 184 | 18 | 210 | 380 | 8 | |
| DF-150F | 450 | 24 | 3 | 285 | 212 | 22 | 240 | 405 | 8 | |

# Sanlixin Solenoid Valve

## ZQDF General Use Series Solenoid Valve · Normally Closed

### Technical parameters

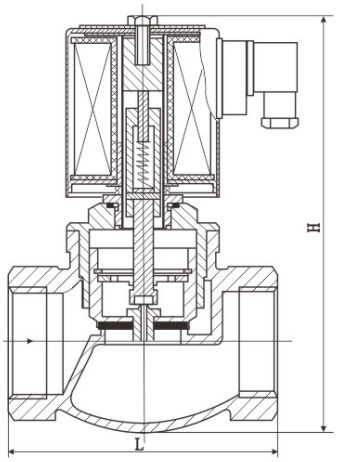
| | |
|---|---|
| 1 | Max operation pressure: 8bar |
| 2 | Working pressure: 0-8bar |
| 3 | Fluid media: fluid, air, steam, and light oil ＜20CST |
| 4 | Fluid temp: ≤180℃ |
| 5 | Voltage: AC:380V;220V;36V/50Hz DC:12V;24 |
| 6 | Coil class: class H |
| 7 | Voltage tolerance -15% + 10% |
| 8 | Power consumption: 50w |
| 9 | Response time：open≤2sec, closed ≤3sec |
| 10 | Mounting position: flow as arrow, solenoid vertical and upright direction. Pure fluids. |


### Parameters

| Model code | L (mm) | H (mm) | Pipe size(Female) | Body Material: |
|---|---|---|---|---|
| ZQDF-15 | 86 | 178 | G 1/2″ | Brass |
| ZQDF-20 | 94 | 180 | G 3/4″ | |
| ZQDF-25 | 105 | 190 | G 1″ | |
| ZQDF-32 | 115 | 210 | G 11/4″ | |
| ZQDF-40 | 130 | 223 | G 11/2″ | |
| ZQDF-50 | 150 | 228 | G 2″ | |

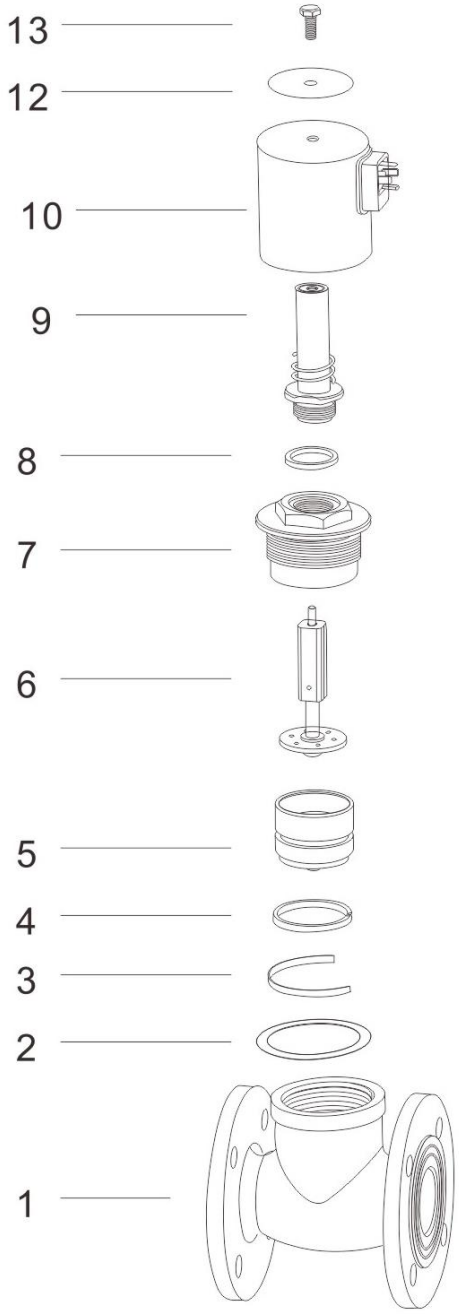
TEFLON NOTE: standard Teflon, pls advise if you want viton

Construction, external dimension chart

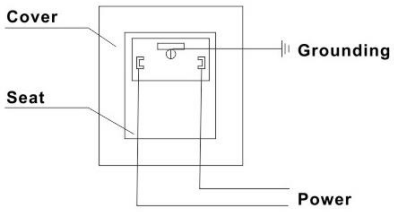


Sanlixin Solenoid Valve

## ZQDF General Use Series Solenoid Valve · Normally Closed








Electric wiring chart

| Code | Components |
|---|---|
| 01 | Valve body |
| 02 | Seals |
| 03 | Elastic ring |
| 04 | Piston ring |
| 05 | Piston assembly |
| 06 | Stem assembly |
| 07 | Valve cover |
| 08 | Plunger tube seals ring |
| 09 | Plunger assembly |
| 10 | Coil |
| 11 | Plug |
| 12 | Nameplate |
| 13 | Lock nut |

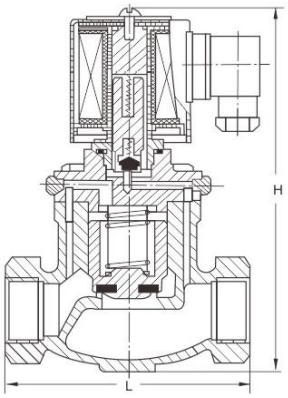
Sanlixin Solenoid Valve

# ZCZ Series 2/2-way Solenoid Valve · Normally Closed

## Technical parameters

| | | |
|---|---|---|
| 1 | Max Pressure | 1.6MPa <1.0MPa> |
| 2 | Operting differential pressure | 0.05~1.6MPa≥ϕ65<br>0.1~1.6MPa <ZCZP Series 0.04~1.0MPa> |
| 3 | Media | Liquid, gas, steam, oil<20CST |
| 4 | Media Temperature | ≤180℃ <200℃ |
| 5 | Voltage | AC:380V 220V 36V/50Hz<br>DC:24V 110V 220V |
| 6 | Coils class | Class H |
| 7 | Power supply Tolerance | -15%~ +10% |
| 8 | Power | ϕ15~ ϕ50 24W ϕ65~ϕ 150 50W |
| 9 | Response Time | ϕ15~ ϕ50 Open≤2s Closed≤3s<br>ϕ65~ ϕ150 Open≤3s Closed≤5s |
| 10 | Mounting Position | Flow as arrow, solenoid vertical and upright direction, pure |


## Construction, external dimension chart




## Parameters

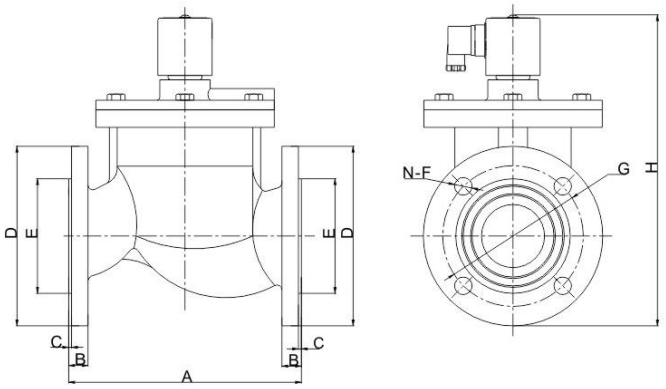
| Model code | L (mm) | W(mm) | Plpe size (Female Thread) | Body Materlal | Wight(KG) |
|---|---|---|---|---|---|
| ZCZ-15 | 90 | 150 | G 1/2″ | Brass | 1.3 |
| ZCZ-20 | 100 | 160 | G 3/4″ | | 1.5 |
| ZCZ-25 | 115 | 176 | G 1″ | | 2.3 |
| ZCZ-32 | 140 | 201 | G 11/4″ | | 3.1 |
| ZCZ-40 | 155 | 223 | G 11/2″ | | 4.4 |
| ZCZ-50 | 170 | 230 | G 2″ | | 5.9 |

# ZCZ Series 2/2-way Solenoid Valve · Normally Closed

## Technical parameters

| | |
|---|---|
| 1 | Operation pressure: ≤ϕ65：0.5~16bar; ＞ϕ65:1~16bar (ZCZP Series:0.4~1.0MPa) |
| 2 | Fluid media: fluid, air, steam, and light oil<20CST |
| 3 | Voltage: AC:380V,220V,36V DC:24V,110V,220V |
| 4 | Coil class: class H |
| 5 | Voltage tolerance -15% + 10% |
| 6 | Power consumption: ϕ20~ ϕ50 24W ; ϕ65~ ϕ150 50W |
| 7 | Response time: ϕ20~ ϕ50 Open≤2s Closed≤3s; ϕ65~ ϕ150 Open≤3s Closed≤5s |
| 8 | Mounting position: flow as arrow, solenoid vertical and upright direction, pure fluids. |


## Construction, external dimension chart

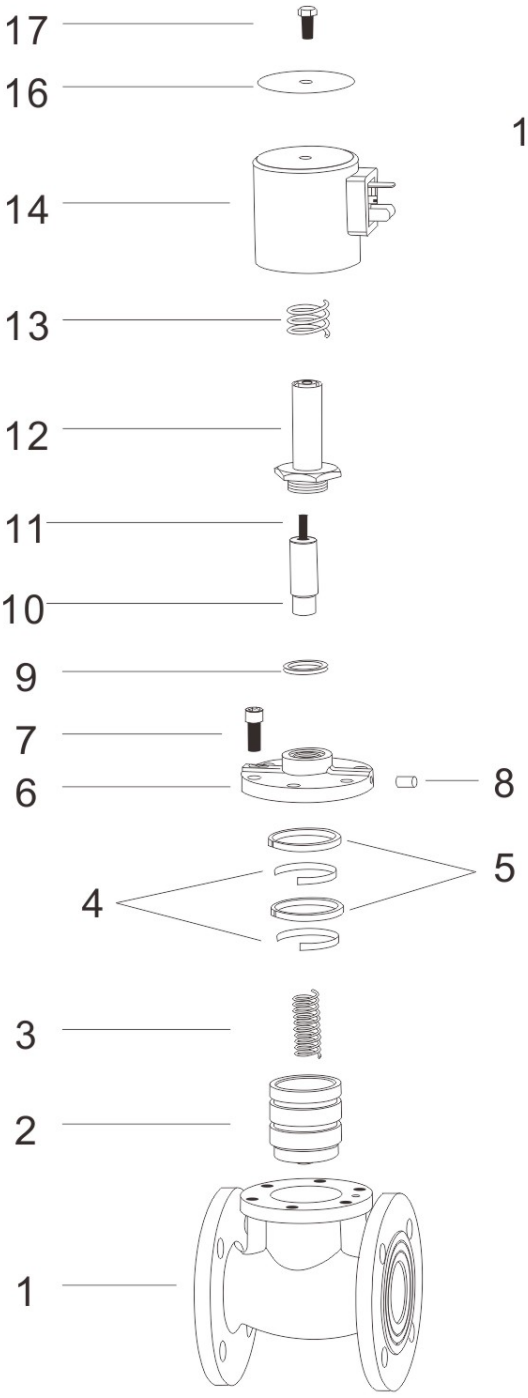


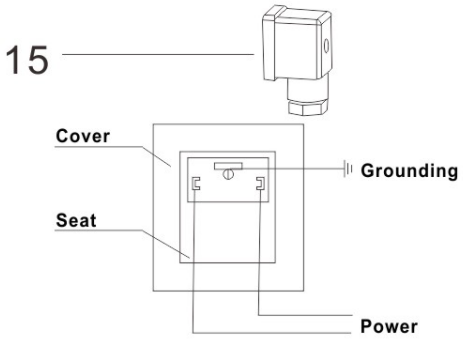

## Parameters

| Model code | A | B | C | ΦD | ΦE | ΦF | ΦG | H | N | Body material | Weight(KG) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ZCZ-20F | 110 | 12 | 2 | 102 | 56 | 14 | 75 | 185 | 4 | Brass body | 2.8 |
| ZCZ-25F | 122 | 13 | 2 | 112 | 65 | 14 | 85 | 202 | 4 | | 4.9 |
| ZCZ-32F | 140 | 16 | 2 | 140 | 78 | 18 | 100 | 240 | 4 | | 5.5 |
| ZCZ-40F | 150 | 16 | 2 | 148 | 84 | 18 | 110 | 254 | 4 | | 7.6 |
| ZCZ-50F | 160 | 17 | 2 | 165 | 102 | 18 | 125 | 265 | 4 | | 9.1 |
| ZCZ-65F | 240 | 20 | 3 | 185 | 118 | 18 | 145 | 360 | 4 | Cost Iron | —— |
| ZCZ-80F | 280 | 22 | 3 | 200 | 132 | 18 | 160 | 400 | 4 | | |
| ZCZ-100F | 320 | 25 | 3 | 220 | 160 | 18 | 180 | 420 | 8 | | |
| ZCZ-150F | 400 | 28 | 3 | 285 | 212 | 22 | 240 | 570 | 8 | | |

Sanlixin Solenoid Valve

## ZCZ Series 2/2-way Solenoid Valve · Normally Closed




Electric wiring chart

| Code | Components |
|---|---|
| 01 | Valve body |
| 02 | Piston assembly |
| 03 | Piston spring |
| 04 | Elastic ring |
| 05 | Piston ring |
| 06 | Valve cover |
| 07 | Valves fixed screw |
| 08 | core plug |
| 09 | Plunger tube seals ring |
| 10 | Plunger assembly |
| 11 | Plunger spring |
| 12 | Plunger tube assemble |
| 13 | Coil |
| 14 | Coil spring |
| 15 | Plug |
| 16 | Namplate |
| 17 | Lock nut |