

## Solenoid valves

### SV、SSV、SV-G、NSV series

#### Technical data

Ambient temperature: -20 ~ 50°C

Medium temperature: -25 ~ 120°C

Max. working pressure: 3MPa

Max. testing pressure: 3.5MPa

Available medium: R134a、R22、R407C、R404A/507、air、water and oil

Rated power:

A.C. : 24V,36V,110V,220V,380V

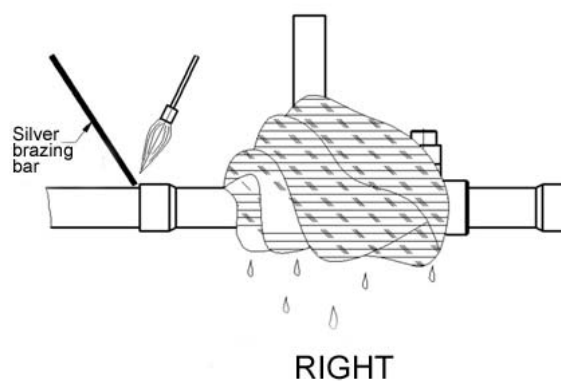
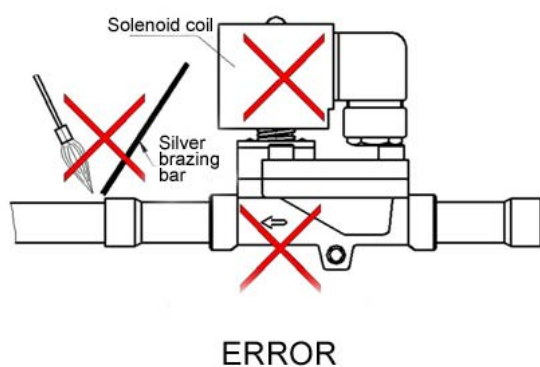
D.C. : 12V,24V,110V,220V

#### Ordering

| Explanation | Valve code  | Port size      | Connection form  | Normal opened code                                     | Rated power     |
|-------------|---|----------------|--|--|-----------------|
| Model       | <b>SV</b>   | <b>13</b>      | <b>W</b>   | <b>K</b>   | <b>AC220V</b>   |
| Explanation | SV: With diaphragms<br>NSV: With pistons<br>SSV: B-flow | Port size (mm) | Omit for flare SAE<br>W: Solder ODF<br>G: Internal thread<br>F: Waist flange | Omit for normal closed valve<br>K: Normal opened valve | Rated power (V) |
| Notes       | The model SV13WK-AC220V is an example in the table.     |                |  |  |                 |

#### Usage

1. The valve must install in horizontal pipe line under vertical position. The flow direction must meet the arrow direction in valve body.
2. The coil input voltage must meet rated input voltage showed on the label. Departure coil from valve when energized in coil is not permitted in order to avoid damage the coil.
3. According to valve with manual function, it must turn manual bar to open the valve before doing system air tightness in order to avoid to damage diaphragm.
4. When brazing the valve with connect tube in system, follow points are very important:
  - a. Before brazing, coil must be departure and use wet fabric cover the valve body to avoid to damage valve part because of high temperature when brazing.
  - b. It must avoid the brazing flame face to valve body.
  - c. It is better to adopt low temperature type silver brazing bar.



## Discharge solenoid valves

### SV-XZ series

#### Introduction

SV-XZ series discharge solenoid valves, a kind of capacity regulators, are generally installed on the cylinder lid of compressors.

SV-XZ series discharge solenoid valves give automatic unloading adjustment of refrigeration compressor according to the capacity of evaporator. It can match the power of compressor with the requirement of refrigeration amount, and also save energy.



#### Type & data

| Model   | Figure    | Installation size (mm) | Installation hole size (mm) | Max. opening diff. pressure (MPa) | Max. working pressure (MPa) | Max. medium temp. (°C) |
|---------|-----------|------------------------|-----------------------------|-----------------------------------|-----------------------------|------------------------|
| SV2XZ4  | Rhombus   | 37                     | 2×Φ7.2                      | 2.5                               | 3                           | 150                    |
| SV2XZ5  | Square    | □24×24                 | 4×Φ4.3                      |                                   |                             |                        |
| SV2XZ5K | Square    | □24×24                 | 4×Φ4.3                      |                                   |                             |                        |
| SV2XZ8  | Rectangle | 64×32                  | 4×Φ6.8                      | 1.7                               | 2.1                         | 100                    |

Letter "K" after the model means normal opened solenoid valves.

Consult with Shanghai Fengshen factory for special requirement.