

## 2/2 WAY THREAD STAINLESS STEEL PNEUMATIC ANGLE SEAT VALVE

### Ordering Code

| KLJZF                                                                 | - | □                             | - | □                                                                             | - | □                                                                 | - | □                                                                                                                                                                                                                                                                                                                              | - | □                                                                  |
|-----------------------------------------------------------------------|---|-------------------------------|---|-------------------------------------------------------------------------------|---|-------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------------------------------------------------------------------|
| Specification Code<br><b>KLJZF:</b><br>KAILING<br>Angle seat<br>Valve |   | Orifice Size (mm)<br>DN15~100 |   | Actuator Material<br><b>Blank:</b><br>Polyamide<br><b>SS:</b> Stainless steel |   | Valve Body Material<br><b>Blank:</b> SS304<br><b>SS316:</b> SS316 |   | Mounting<br><b>F:</b> Flang type<br><b>Q:</b> Tri-clamp connection<br><b>W:</b> Welding model<br><b>Blank:</b><br>Thread model                                                                                                                                                                                                 |   | Accessories<br><b>P:</b> With positioner<br><b>L:</b> Limit switch |
|                                                                       |   |                               |   |                                                                               |   |                                                                   |   | <b>Blank:</b> Single-action normally closed<br><b>2:</b> Double-acting normally closed<br><b>3:</b> Single-action normally closed (Water hammer free, low pressure)<br><b>4:</b> Double-acting normally closed (Water hammer free)<br><b>5:</b> Double-acting normally open<br><b>6:</b> Double acting (low starting pressure) |   |                                                                    |

### Features of Angle Seat Valve

- ☒ With valve open or closed position display.
- ☒ Pneumatic external pilot, can increase the service life, maintenance-free.
- ☒ There is a self-adjusting seal gland between the overflow port and the slider to improve the sealing performance.
- ☒ Y-type structure design enabling large flow (compared with globe valve), compact structure, fast response.

### Specification

|                       |                                     |
|-----------------------|-------------------------------------|
| Medium Temperature    | -10℃~+180℃                          |
| Ambient Temperature   | -10℃~+60℃                           |
| Max. Working Pressure | 1.6MPa                              |
| Working Medium        | Netral and aggressive liquid, gases |
| Working Pressure      | 0.4~0.8MPa                          |
| Port Size             | DN15-DN100                          |
| Body Material         | SS304、SS316                         |
| Sealing Material      | PTFE                                |

### Notice

Flow direction below the seat (direction A)

- Valves with flow direction below the seat(direction A) ensure long service life.
- Valves used fo liquid media are waterhammer-free.

Valves with dirction B

- provide high sealing integrity when media is steam or air.
- There is no waterhammer free function when media is liquid.

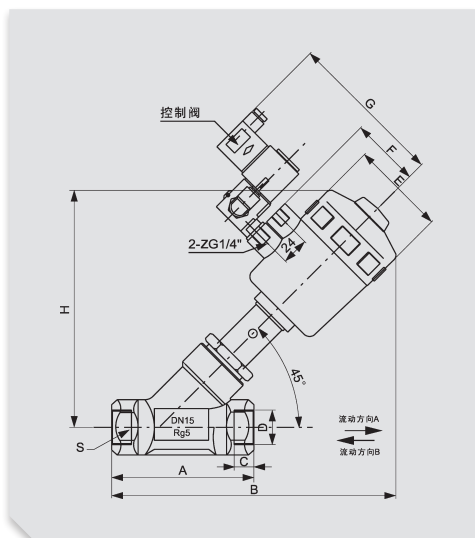
### Installation & Maintenance

-  The applicable safety regulations must be observed
- ☒ Make sure the pipe line is clean.
- ☒ Insallation according to requirement. check the flow direction before installation.
- ☒ Connect the valve to the pipeline, and remove the actuator only if the user requires it.
- ☒ Shut off the fluid and control air supply and reduce pressure in the piping system before opening or servicing the angle valve.

## Thread Angle Seat Valve



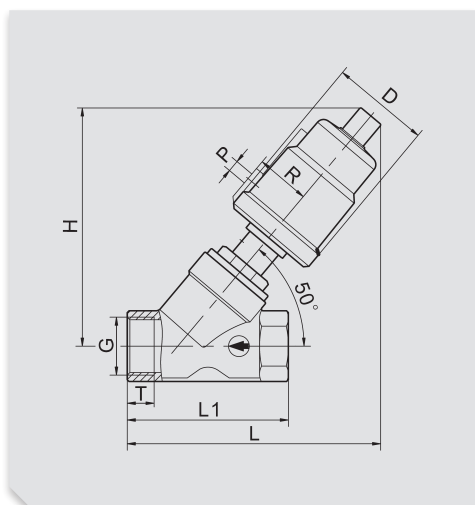
### Plastic actuator



### Dimension Sheet

| Type  | Actuator (mm) | D        | A   | B   | C  | ΦE  | F  | G   | H   |
|-------|---------------|----------|-----|-----|----|-----|----|-----|-----|
| DN15  | 50            | ZG1/2"   | 85  | 170 | 16 | 64  | 44 | 112 | 140 |
| DN20  | 50            | ZG3/4"   | 95  | 180 | 16 | 64  | 44 | 112 | 145 |
| DN25  | 63            | ZG1"     | 105 | 215 | 19 | 80  | 52 | 120 | 175 |
| DN32  | 63            | ZG1 1/4" | 117 | 220 | 21 | 80  | 52 | 120 | 185 |
| DN40  | 63            | ZG1 1/2" | 129 | 230 | 21 | 80  | 52 | 120 | 185 |
| DN50  | 80            | ZG2"     | 149 | 265 | 25 | 100 | 60 | 120 | 220 |
| DN65  | 100           | ZG2 1/2" | 155 | 252 | 26 | 126 | 73 | 140 | 300 |
| DN80  | 100           | ZG3"     | 220 | 368 | 30 | 126 | 73 | 140 | 340 |
| DN100 | 125           | ZG4"     | 235 | 420 | 35 | 168 | 97 | 164 | 395 |

### SS actuator



| Type  | Actuator (mm) | D   | R    | P      | G        | H   | L   | L1  | T  |
|-------|---------------|-----|------|--------|----------|-----|-----|-----|----|
| DN15  | 50            | 62  | 33.5 | ZG1/8" | ZG1/2"   | 126 | 137 | 68  | 13 |
| DN20  | 50            | 62  | 33.5 | ZG1/8" | ZG3/4"   | 138 | 144 | 75  | 16 |
| DN25  | 50            | 62  | 33.5 | ZG1/8" | ZG1"     | 148 | 156 | 90  | 16 |
| DN32  | 63            | 76  | 42   | ZG1/8" | ZG1 1/4" | 182 | 188 | 110 | 21 |
| DN40  | 63            | 76  | 42   | ZG1/8" | ZG1 1/2" | 182 | 190 | 116 | 21 |
| DN50  | 63            | 76  | 42   | ZG1/8" | ZG2"     | 195 | 205 | 136 | 22 |
| DN65  | 80            | 96  | 52   | ZG1/8" | ZG2 1/2" | 280 | 252 | 185 | 30 |
| DN80  | 100           | 114 | 63   | ZG1/8" | ZG3"     | 320 | 280 | 220 | 33 |
| DN100 | 100           | 114 | 63   | ZG1/8" | ZG4"     | 350 | 300 | 235 | 35 |