

KLD20S Super Mini 2-Way Motorized Ball Valve (On/Off)



Features:

- ⊙ Mini dimension suits for small equipment
- ⊙ Patented technology--floating seal structure
- ⊙ Long service life —70000 -100000 circles
- ⊙ Low working current, suitable for battery driving
- ⊙ Manual override is safe and convenient
- ⊙ IP67 Enclosure

Applications:

- ⊙ HVAC
- ⊙ Water treatment
- ⊙ Chemical process
- ⊙ Small equipment for automatic control
- ⊙ Replacing solenoid valve, particularly when solenoid cannot work reliably

Technical Parameters:

| Series | Max Torque | Operating time | Working voltage | Max power | Enclosure | Max pressure | Medium temperature | Ambient temperature | Humidity |
|--------|------------|----------------|-----------------|-----------|-----------|--------------|--------------------|---------------------|----------|
| KLD20S | 2N.M | 5-7S | 5V | 3W | IP67 | 1.6Mpa | 0-100℃ | -20℃<t<45℃ | <95% |
| | | | 12V,24V | 4W | | | | | |
| | | | 110V,220V | 5W | | | | | |

Dimension:

Full-port

Reduced-port

Main components

| Parts | Material |
|------------------|----------------|
| Actuator housing | ABS |
| Valve body | brass, 304,316 |
| Valve ball | brass, 304,316 |
| Stem | brass, 304,316 |
| Ball seat | PTFE |
| Seal | EPDM |

Full port ball valve connection size

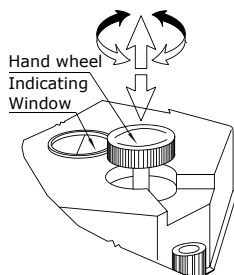
unit: mm

| DN | D1/D2 | d | L1/L2 | L3 | F | A | B | C | H3 | H2 | H1 | W(kg) |
|------|-------|----|-------|----|----|------|------|------|----|------|----|-------|
| DN8 | G1/4" | 8 | 11 | 43 | 17 | 66.5 | 54.5 | 16.3 | 48 | 11 | 74 | 0.26 |
| DN15 | G1/2" | 15 | 13 | 57 | 27 | 66.5 | 54.5 | 16.3 | 48 | 16.5 | 77 | 0.37 |
| DN20 | G3/4" | 20 | 16 | 70 | 32 | 66.5 | 54.5 | 16.3 | 48 | 21.5 | 81 | 0.52 |

Reduced port ball valve connection size

unit: mm

| DN | D1/D2 | d | L1/L2 | L3 | F | A | B | C | H3 | H2 | H1 | W(kg) |
|------|-------|----|-------|------|----|------|------|------|----|------|----|-------|
| DN20 | G3/4" | 15 | 15 | 64.5 | 30 | 66.5 | 54.5 | 16.3 | 48 | 16.5 | 77 | 0.37 |
| DN25 | G1" | 20 | 18 | 76 | 38 | 66.5 | 54.5 | 16.3 | 48 | 21.5 | 81 | 0.52 |



Instructions for Manual override:

- ⊙ It is only permitted to use when power is cut.
- ⊙ Lift the hand-wheel, and turn it left or right until the valve is in place.
- ⊙ When the black line on the indicator is horizontal, the valve is on; when vertical, the valve is off.
- ⊙ Press down hand-wheel after using manual override in order to work properly when power is applied.

Wring: B2, B3, BD3 are available

- ⊙ The service life is the testing data in the condition of 1.0Mpa, 200L/h, tap water as working medium. Different working occasions will influence the service life.
- ⊙ Manual shaft and hand-wheel will be replaced by another upper cover if manual override function is not needed.
- ⊙ Actuators are not direct-mount-on. Actuators are not recommended to be sold separately.

