



**Features**

- ⊙ Mini dimension suits for small equipment
- ⊙ Patented technology--floating seal structure
- ⊙ Long service life—70,000-100,000 cycles
- ⊙ Low working current, suitable for battery driving
- ⊙ IP67 Enclosure
- ⊙ Super long life optional,500,000 cycles

**Applications**

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

**Technical Parameters**

Series	Manual Override	Max Torque	Operating Time	Working Voltage	Max Power	Enclosure	Max Pressure	Medium Temp	Ambient Temp	Humidity
KLD20S	yes	2N.M	about 5s	DC5V、12V	3W	IP67	1.0Mpa	0-100℃	-20℃<t<45℃	≤85% (non-condensing)
KLD20J	no			AC/DC12V、24V	4W					
				AC110V、220V	5W					

**Dimensions**

Full-port

Reduced-port

**Main components**

Parts	Material
Actuator housing	ABS
Valve body	Brass with nickel plating 304、316
Valve ball	Brass with chrome plating 304、316
Stem	Brass、304、316
Ball seat	PTFE
Seal	EPDM、FPM、SI

**Full port ball valve connection size**

unit: mm

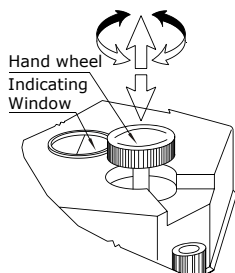
DN	D1/D2	d	L1/L2	L3	H1	H2	F	W(kg)
DN8	G1/4"	8	11	43	11	18.25	17	0.26
DN10	G3/8"	10	11.5	50	12.5	19.75	20	0.31
DN15	G1/2"	15	13	57	16.5	21.25	27	0.37
DN20	G3/4"	20	16	70	21.5	25.75	32	0.52

**Reduced port ball valve connection size**

unit: mm

DN	D1/D2	d	L1/L2	L3	H1	H2	F	W(kg)
DN20	G3/4"	15	15	64.5	16.5	21.25	30	0.37
DN25	G1"	20	18	76	21.5	24.75	38	0.52
DN32	G1-1/4"	20	20	80	24	24.75	48	0.70

Notes: Reduced bore valve DN32 only has brass.



**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 red 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 supplied.

**Wiring: B2, B3, BD3,KT2 are available.We can accept feedback customization.Please contact sales for more details.**

- ⊙ 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.
- ⊙ KLD20S has manual override; KLD20J does not have manual override,other parameters are the same as KLD20S.
- ⊙ Actuators are not direct-mount-on. Actuators are not recommended to be sold separately.
- ⊙ The pressure is tested under one-way direction.