

Internal Threaded Ball Valve



Product Introduction:

Internal thread ball valves are compact valves with threaded connection. Easy to install with reliable sealing, they feature small size and light weight, ideal for limited-space pipelines. With low flow resistance and quick on-off action, they are mostly made of stainless steel and brass with good corrosion resistance, suitable for various medium & low-pressure media like water, oil and gas. Widely used in water supply, heating, chemical and gas piping systems, they are easy to maintain and cost-effective.

Product Features:

- **Versatile control:** Available for on-off and flow regulation to meet diverse working demands.
- **Durable performance:** Self-lubricating PTFE seal lowers friction and prolongs service life.
- **Easy & economical installation:** Direct threaded connection saves accessories, cuts installation time and costs

Internal Threaded Electric Ball Valve

Product Description

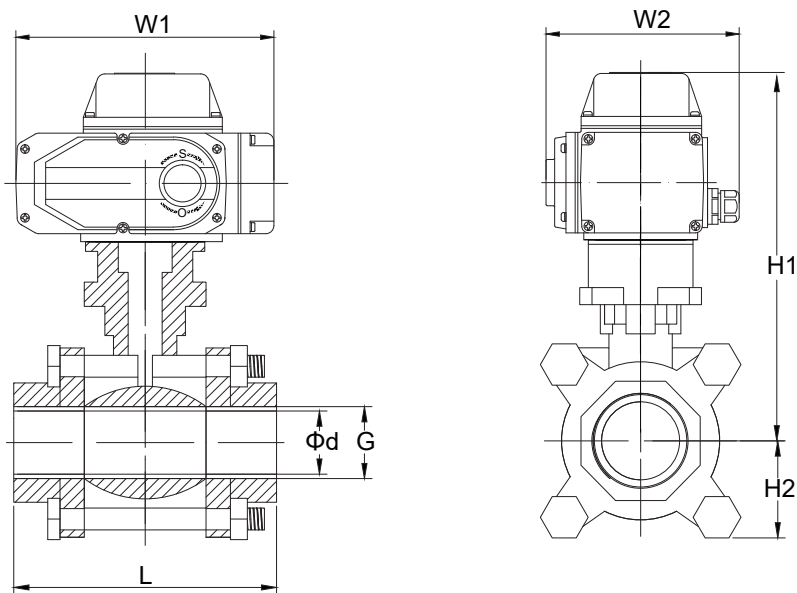
Internal thread electric ball valve features easy threaded connection without flange welding, suitable for small and medium pipelines. It delivers precise and quick electric operation with excellent sealing. Perfect for controlling water, gas, oil and other common media, ideal for HVAC, water supply and small chemical systems.

Main Performance Specifications

- Nominal Diameter: DN15~DN100
- Nominal Pressure: 1.6MPa~6.4MPa
- Medium Temperature: -30°C~220°C
- Protection Class: Ip67
- Applicable Media: Neutral gas and liquid
- Manufacturing Standard: GB12237-2021, API 6D
- Inspection Standard: API 598



Installation Dimension Drawing



Size(mm)	L	G	Φd	H2	H1	W1	W2
15	73	Thread Standard NPT BSP DIN etc	15	38	202.5	196	145
20	80		20	45	204	196	145
25	90		25	55	214	196	145
32	110		32	60	228	196	145
40	120		38	75	237	196	145
50	140		50	83	245	196	145
65	185		64	96	310	255	182
80	205		72	106	313	255	182
100	240		100	118	332	255	182

Internal Threaded Pneumatic Ball Valve

Product Description

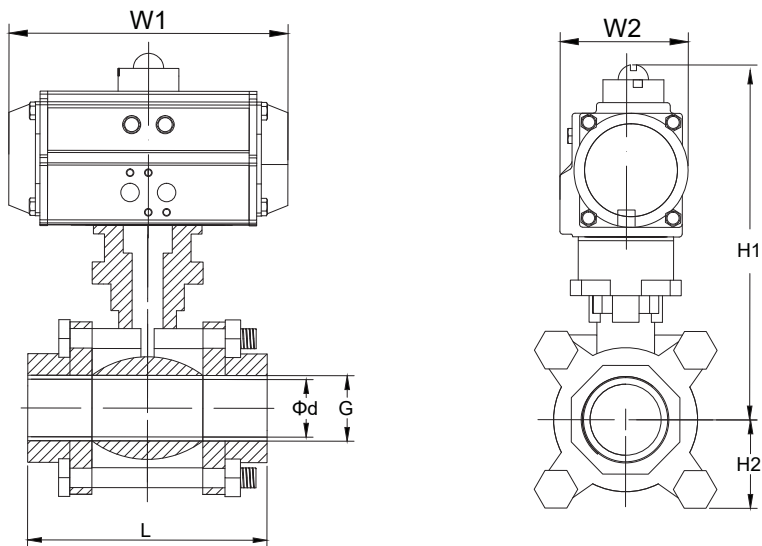
Internal thread pneumatic ball valve enables quick assembly and disassembly without extra fittings, fitting small and medium pipelines. It features sensitive pneumatic response, efficient operation and tight sealing. Suitable for water, gas, oil and other common media, ideal for HVAC, light industry and small chemical systems.

Main Performance Specifications

Nominal Diameter: DN15~DN100
Nominal Pressure: 1.6MPa~6.4MPa
Medium Temperature: -30°C~220°C
Protection Class: Ip66
Applicable Media: Neutral gas and liquid
Manufacturing Standard: GB12237-2021, API 6D
Inspection Standard: API 598



Installation Dimension Drawing



Size (mm)	L	G	Φd	H2	Double-acting			Single-acting		
					H1	W1	W2	H1	W1	W2
15	73	Thread Standard NPT BSP DIN etc	15	38	188	147	72	188	147	72
20	80		20	45	190	147	72	206	168	83
25	90		25	55	216	168	83	228	184	95
32	110		32	60	230	168	83	251	204	103
40	120		38	75	251	184	95	268	262	109
50	140		50	83	268	204	103	292	268	122
65	185		64	96	303	262	109	361	301	142
80	205		72	106	338	268	122	397	390	152
100	240		100	118	399	301	142	441	458	174

Note: For pneumatic valves, the matching actuator model and relevant dimensions may vary depending on service medium, valve torque and control method.

Internal Threaded Explosion-Proof Electric Soft-Sealed Ball Valve

Product Description

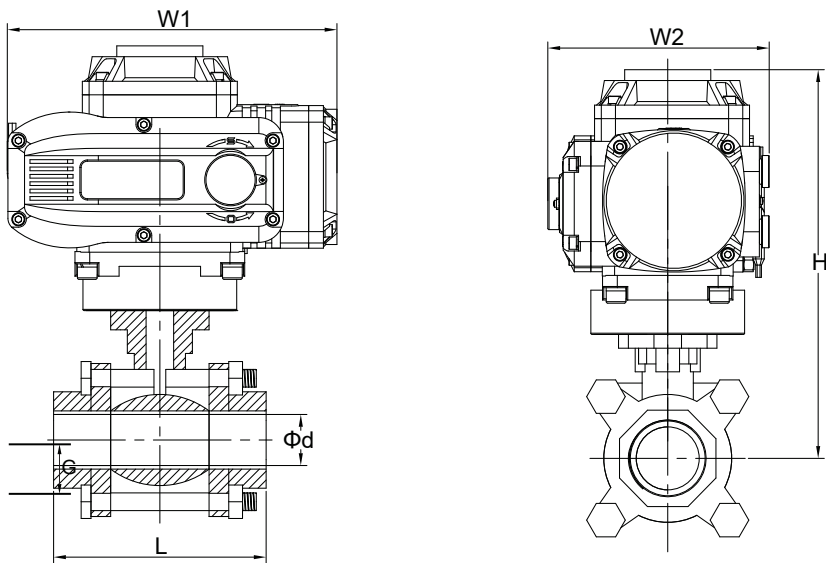
Internal thread explosion-proof electric ball valve is easy to install for small and medium pipelines. Equipped with explosion-proof motor, it operates smoothly with reliable sealing. Suitable for water, gas and oil, safe for chemical and gas equipment.

Main Performance Specifications

- Nominal Diameter: DN15~DN100
- Nominal Pressure: 1.6MPa~6.4MPa
- Medium Temperature: -30℃~220℃
- Protection Class: Ip67
- Applicable Media: Neutral gas and liquid
- Manufacturing Standard: GB12237-2021, API 6D
- Inspection Standard: API 598

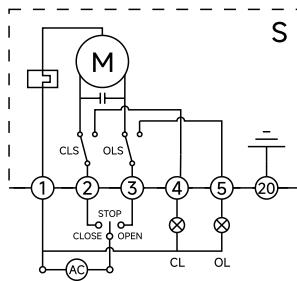


Installation Dimension Drawing



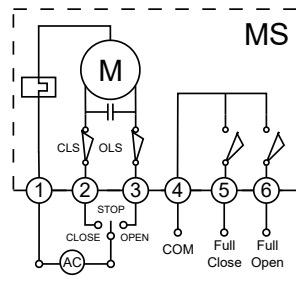
Size(mm)	L	G	Φd	H2	H1	W1	W2
15	73	螺纹 标准	15	38	232	217	150
20	80		20	45	234	217	150
25	90		25	55	244	217	150
32	110		32	60	258	217	150
40	120	NPT BSP DIN etc	38	75	267	217	150
50	140		50	83	307	217	150
65	185		64	96	334	268	180
80	205		72	106	337	268	180
100	240		100	118	356	268	180

Circuit Diagram



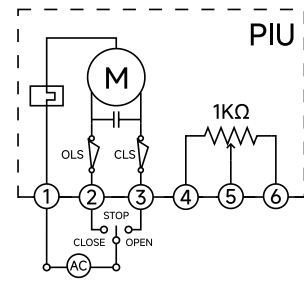
S

Switching Action Mode:
Switching operations (open/close) are achieved via AC switching signals, and a set of active position signals indicating fully open/fully closed status are output.



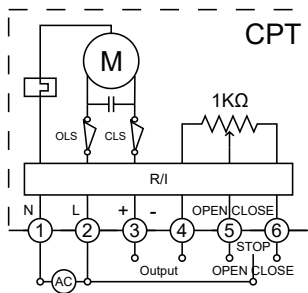
MS

Switching Action Mode: Outputs passive contact signals.
Structure: Equipped with two intermediate position switches.



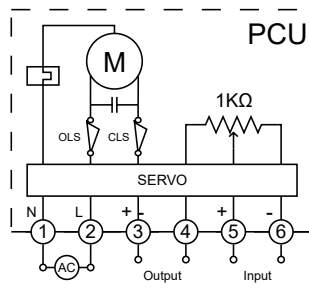
PIU

Switching Action Mode: Outputs 0~1000Ω feedback signal.
Structure: Equipped with 500Ω or 1kΩ potentiometer.



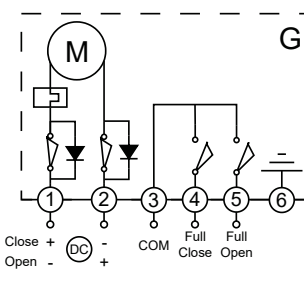
PCU

Regulating Action Mode: Accepts 4~20mA control signal input and outputs 4~20mA valve position feedback signal.
Structure: Integrated with 1kΩ potentiometer and control module (servo amplifier).



CPT

Switching Action Mode: Outputs 4~20mA valve position feedback signal.
Structure: Equipped with 1kΩ potentiometer and R/I converter.

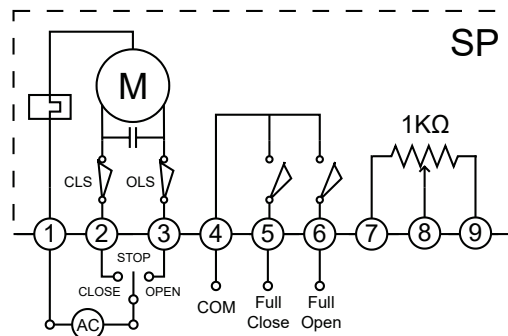


G

DC switching signals are output from the circuit via an external DC power supply to control the opening/closing program, and a set of passive contact signals corresponding to fully open/fully closed positions are provided.

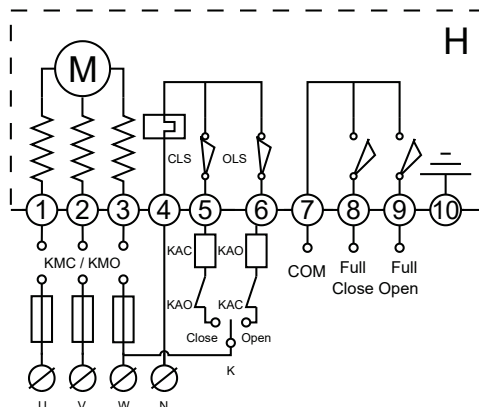
SP

Switching Action Mode: Controls valve opening angle via switching circuit, corresponding to potentiometer resistance value, while enabling intermediate position control function.
Structure: Integrated with potentiometer and intermediate position switch.



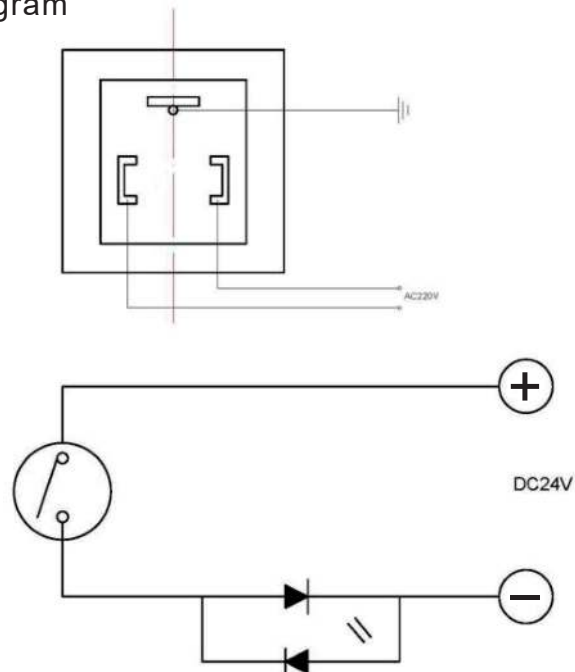
H

Three-phase AC switching signals are output through an external three-phase power phase-reversing circuit to control opening/closing operations, accompanied by a set of passive contact signals for fully open/fully closed position indication.

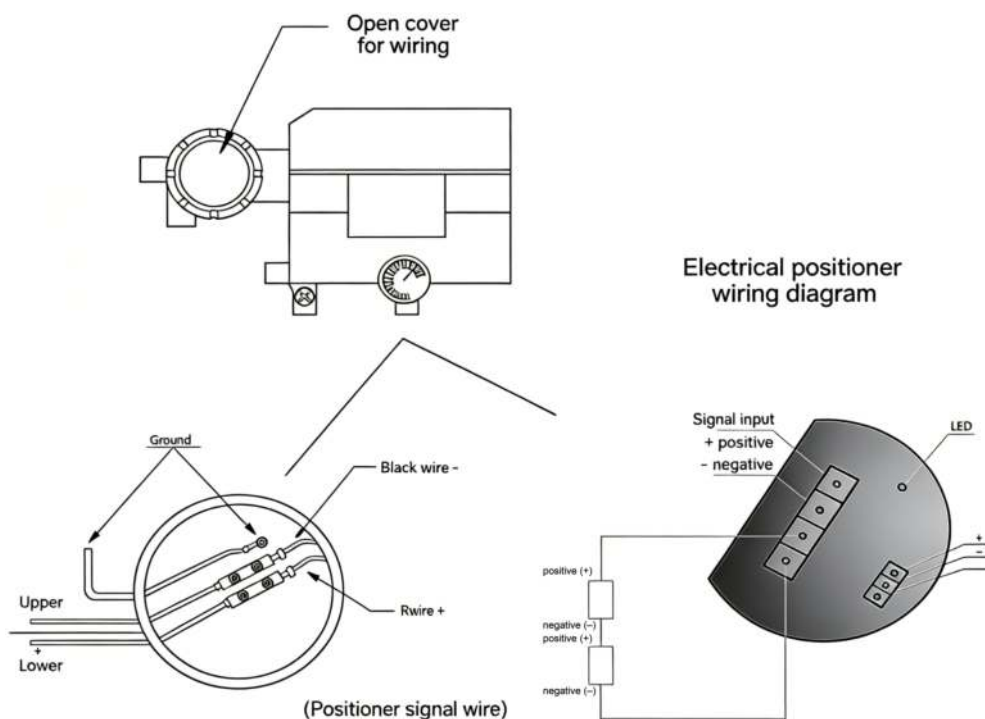


Pneumatic Valve Circuit Diagram

On-off Type Wiring Diagram



Regulating Type Wiring Diagram



Vision: Build more robust industrial automatic control systems

Mission: Make industrial automation technologies simpler and more reliable

Core Values: Simplify complexity, Continuous Innovation, Win-Win Collaboration



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