

Flanged Ball Valve



Product Introduction:

Flanged ball valves adopt flange connection for stable installation, featuring high pressure resistance and reliable sealing. Made of high-quality carbon steel and stainless steel, they suit normal, high temperature and high pressure working conditions, applicable for water, oil, gas and partial corrosive media. Controlled by ball rotation, they have low flow resistance, fast opening & closing, less scouring on sealing surface and long service life. Easy to install and maintain, they are widely used in medium and high pressure pipelines of petroleum, chemical, power and water supply industries for medium cut-off and flow regulation.

Product Features:

- **Excellent tightness:** Double-sided spherical sealing realizes zero leakage.
- **High wear resistance:** PTFE seal with good self-lubrication reduces friction loss and extends service life.
- **Flexible application:** Available with rectangular, V-shaped and O-shaped ball passages to meet various flow control needs.

Flanged Electric Soft-Sealed Ball Valve

Product Description

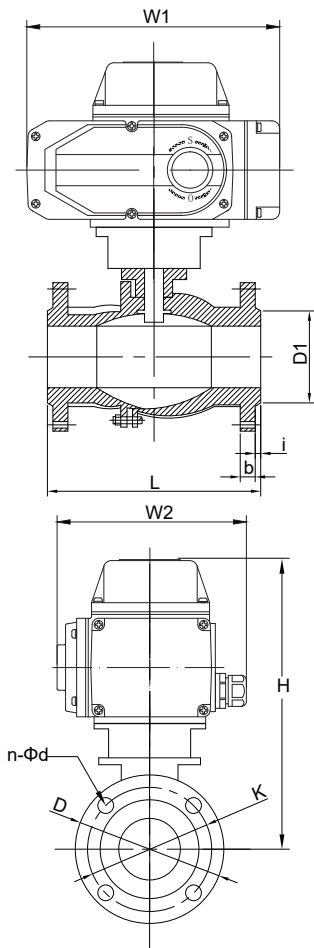
Ultra-short flanged electric V-type regulating valve adopts electric actuator to drive V-shaped core for precise flow control. Compact structure with high regulating accuracy, widely used in petrochemical, water treatment, metallurgy, power, food and pharmaceutical industries for limited-space installation and accurate fluid flow & pressure regulation.

Main Performance Specifications

- Nominal Diameter: DN15~DN200
- Nominal Pressure: 1.0MPa~10MPa
- Medium Temperature: -20°C~+350°C
- Protection Class: Ip67
- Applicable Media: Water, petroleum, nitric acid, acetic acid, viscous fluid, slurry, strong oxidizing medium
- Manufacturing Standard: GB12237-2021, API 6D
- Face-to-Face Standard: GB/T 12221-2005
- Inspection Standard: API 598
- Flange Standard: JB/T 79-2015, GB/T 9124.1-2019, GB/T 9124.2-2019, ANSI B16.5, JIS B2239



Installation Dimension Drawing



Size		L	D	K	D1	n-Φd	b	i	H	W1	W2
mm	in										
15	1/2"	130	95	65	45	4-Φ14	14	2	209	196	145
20	3/4"	130	105	75	55	4-Φ14	16	2	211	196	145
25	1"	142	113	85	65	4-Φ14	18	2	218.5	196	145
32	1-1/4"	165	140	100	78	4-Φ18	18	2	233	196	145
40	1-1/2"	165	150	110	85	4-Φ18	18	2	234	196	145
50	2"	203	165	125	100	4-Φ18	20	2	248	196	145
65	2-1/2"	222	185	145	120	8-Φ18	20	2	294	255	182
80	3"	241	200	160	135	8-Φ18	21	2	320	255	182
100	4"	305	220	180	155	8-Φ18	22	2	339	255	182
125	5"	356	250	210	184	8-Φ18	22	3	392	255	182
150	6"	394	285	240	210	8-Φ23	24	3	402	255	182
200	8"	457	340	295	265	12-Φ23	26	3	467	255	182

Flanged Pneumatic Soft-Sealed Ball Valve

Product Description

V-type regulating valve has excellent regulating performance, especially suitable for high-precision regulating links in various industrial fields such as (mineral slurry, paper pulp) and high-temperature steam regulation, realizing the regulation of medium flow in pipelines.

Main Performance Specifications

Nominal Diameter: DN15~DN200

Nominal Pressure: 1.0MPa~10MPa

Medium Temperature: -20°C~+350°C

Protection Class: Ip67

Applicable Media: Water, petroleum, nitric acid, acetic acid, viscous fluid, slurry, strong oxidizing medium

Manufacturing Standard: GB12237-2021, API 6D

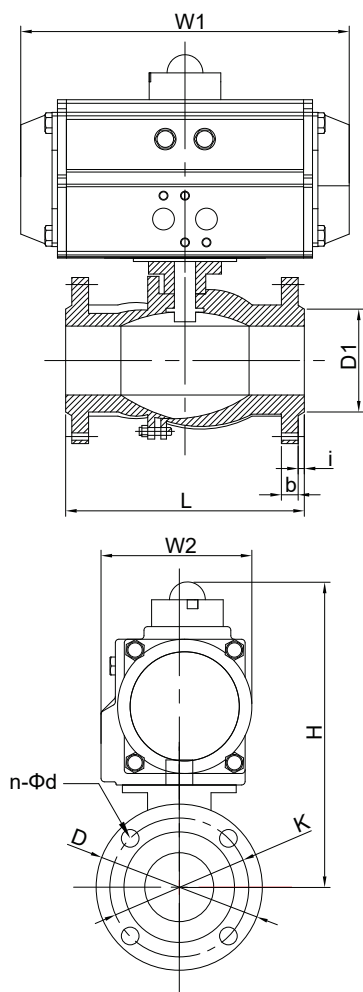
Face-to-Face Standard: GB/T 12221-2005

Inspection Standard: API 598

Flange Standard: JB/T 79-2015, GB/T 9124.1-2019, GB/T 9124.2-2019, ANSI B16.5, JIS B2239



Installation Dimension Drawing



Size		L	D	K	D1	n-Φd	b	i	Double-acting			Single-acting		
mm	in								H1	W1	W2	H1	W1	W2
15	1/2"	130	95	65	45	4-Φ14	14	2	195	147	72	195	147	72
20	3/4"	130	105	75	55	4-Φ14	16	2	197	147	72	213	168	83
25	1"	142	113	85	65	4-Φ14	18	2	221	168	83	233	184	95
32	1-1/4"	165	140	100	78	4-Φ18	18	2	235	168	83	256	204	103
40	1-1/2"	165	150	110	85	4-Φ18	18	2	248	184	95	265	262	109
50	2"	203	165	125	100	4-Φ18	20	2	271	204	103	295	268	122
65	2-1/2"	222	185	145	120	8-Φ18	20	2	325	262	109	383	301	142
80	3"	241	200	160	135	8-Φ18	21	2	345	268	122	404	390	152
100	4"	305	220	180	155	8-Φ18	22	2	406	301	142	448	458	174
125	5"	356	250	210	184	8-Φ18	22	3	459	301	142	501	458	174
150	6"	394	285	240	210	8-Φ23	24	3	486	390	152	544	525	206
200	8"	457	340	295	265	12-Φ23	26	3	576	458	174	634	532	226

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

Flanged Explosion-Proof Electric Soft-Sealed Ball Valve

Product Description

V-type regulating valve boasts excellent regulating performance. It is ideal for high-precision regulation of mineral slurry, paper pulp, high-temperature steam and other media in various industries, and accurately adjusts medium flow in pipelines.

Main Performance Specifications

Nominal Diameter: DN15~DN200

Nominal Pressure: 1.0MPa~10MPa

Medium Temperature: -20°C~+350°C

Protection Class: Ip67

Applicable Media: Water, petroleum, nitric acid, acetic acid, viscous fluid, slurry, strong oxidizing medium

Manufacturing Standard: GB12237-2021, API 6D

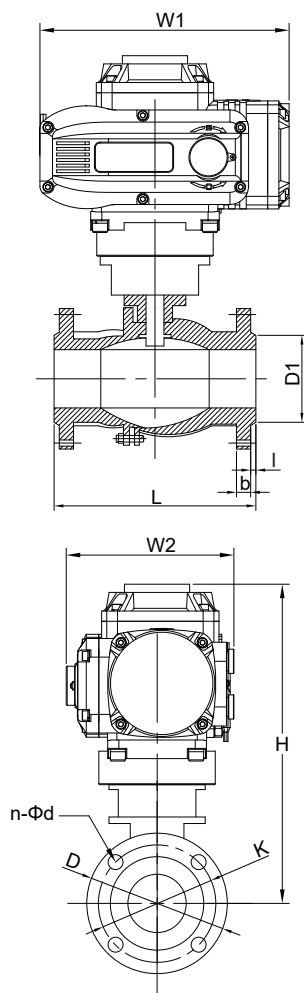
Face-to-Face Standard: GB/T 12221-2005

Inspection Standard: API 598

Flange Standard: JB/T 79-2015, GB/T 9124.1-2019, GB/T 9124.2-2019, ANSI B16.5, JIS B2239

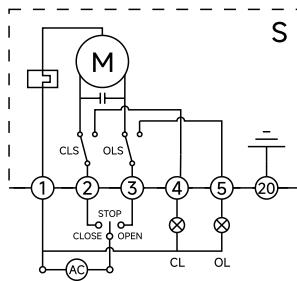


Installation Dimension Drawing



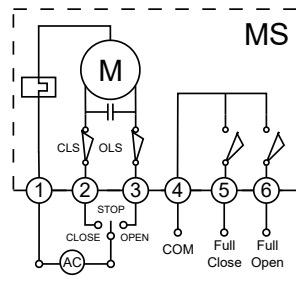
Size		L	D	K	D1	n-Φd	b	i	H	W1	W2
mm	in										
15	1/2"	130	95	65	45	4-Φ14	14	2	239	217	150
20	3/4"	130	105	75	55	4-Φ14	16	2	241	217	150
25	1"	142	113	85	65	4-Φ14	18	2	249	217	150
32	1-1/4"	165	140	100	78	4-Φ18	18	2	263	217	150
40	1-1/2"	165	150	110	85	4-Φ18	18	2	264	217	150
50	2"	203	165	125	100	4-Φ18	20	2	277	217	150
65	2-1/2"	222	185	145	120	8-Φ18	20	2	356	268	180
80	3"	241	200	160	135	8-Φ18	21	2	376	268	180
100	4"	305	220	180	155	8-Φ18	22	2	395	268	180
125	5"	356	250	210	184	8-Φ18	22	3	416	268	180
150	6"	394	285	240	210	8-Φ23	24	3	426	268	180
200	8"	457	340	295	265	12-Φ23	26	3	491	268	180

Circuit Diagram



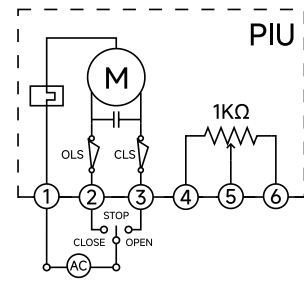
S

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.



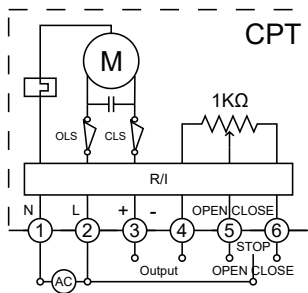
MS

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



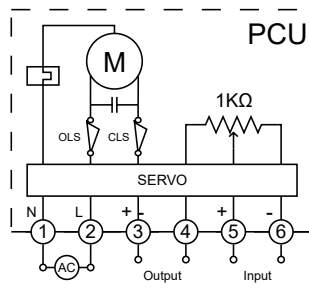
PIU

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



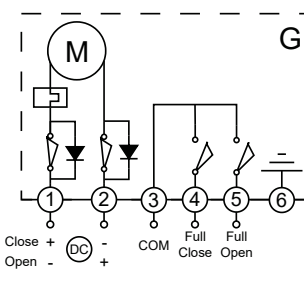
PCU

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.

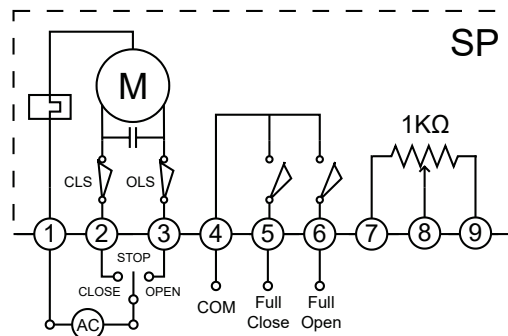


G

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.

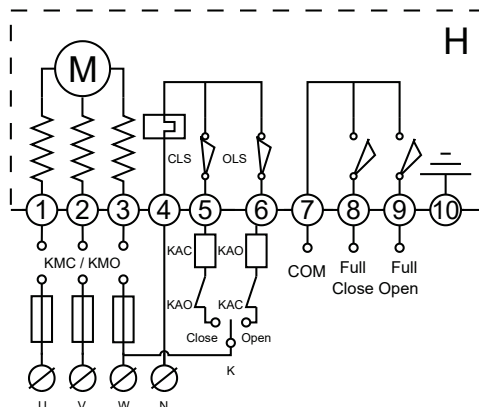
SP

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.



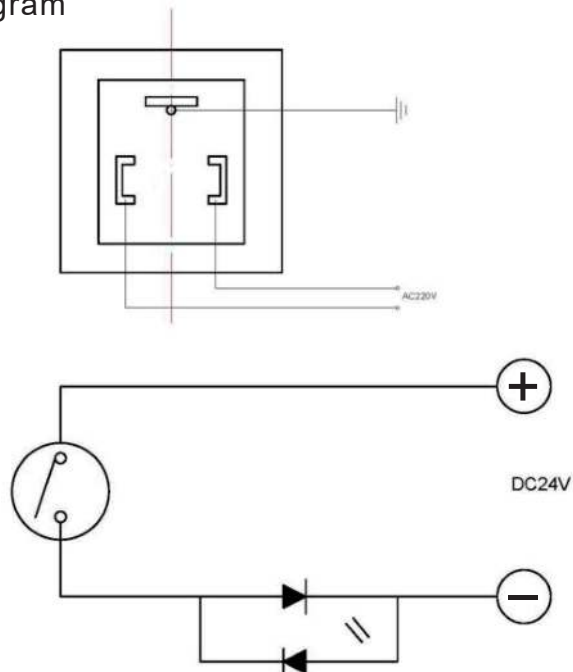
H

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.

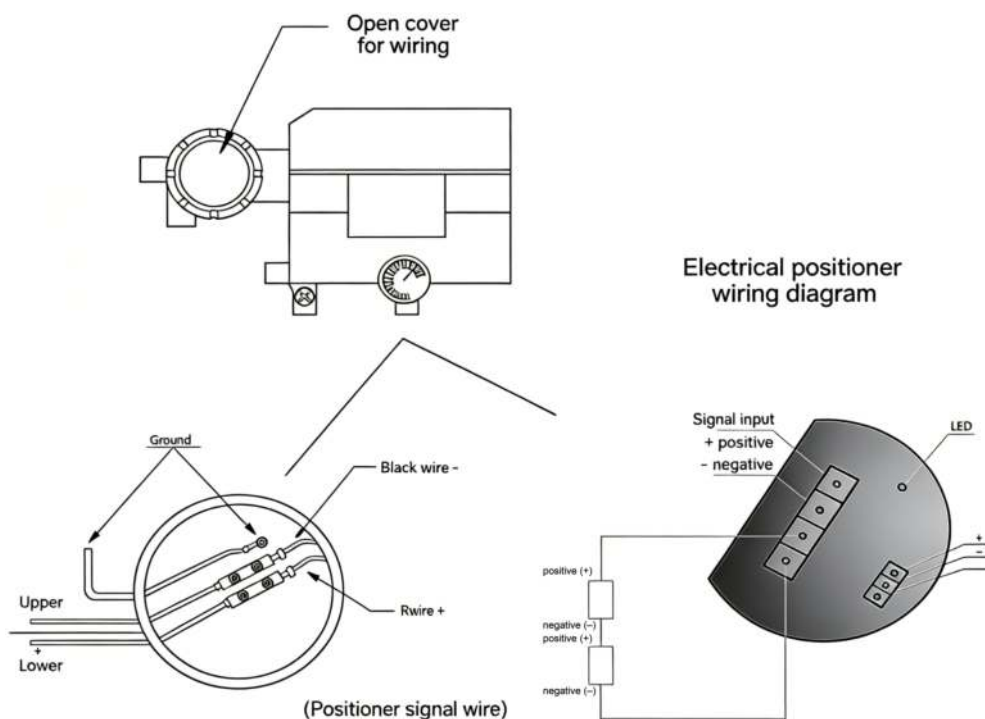


Pneumatic Valve Circuit Diagram

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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