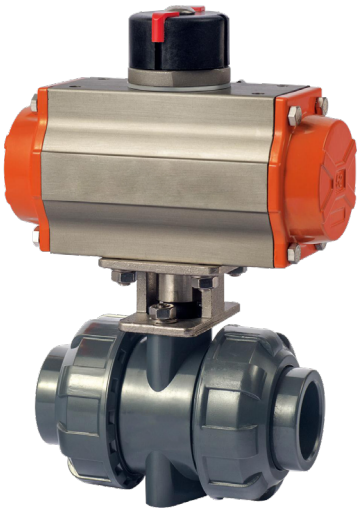
Snowate

KV series ball valve is a type of valve with a spherical body that controls the flow of the medium by rotating a hole inside the sphere. It features a simple structure, convenient operation, and flexible switching. It can be quickly opened and closed, swiftly cutting off the flow of the medium, with low fluid resistance and good flow regulation performance. Additionally, it has good sealing performance, making it suitable for high pressure, high temperature, and corrosive medium applications.

KVP Pneumatic Actuated True Union Ball Valve

Description

- **Material:** UPVC, CPVC, PPH, and PVDF
- **Size:** 1/2" – 4"; 20 mm – 110 mm; DN15 – DN100
- **Standard:** ANSI, DIN, JIS, and CNS
- **Joint:** Socket end, thread end (NPT, PT, and BSPF), socket fusion, and butt welding
- **Working pressure:** 150 psi
- **Min. air pressure:** 45 psi
- **Max. air pressure:** 120 psi
- **Operation temperature:**
  - UPVC (5 °C to 55 °C)
  - CPVC & PPH (5 °C to 90 °C)
  - PVDF (-20 °C to 120 °C)
- **Body color:** UPVC (dark gray), CPVC (light gray), PPH (beige), and PVDF (ivory white)

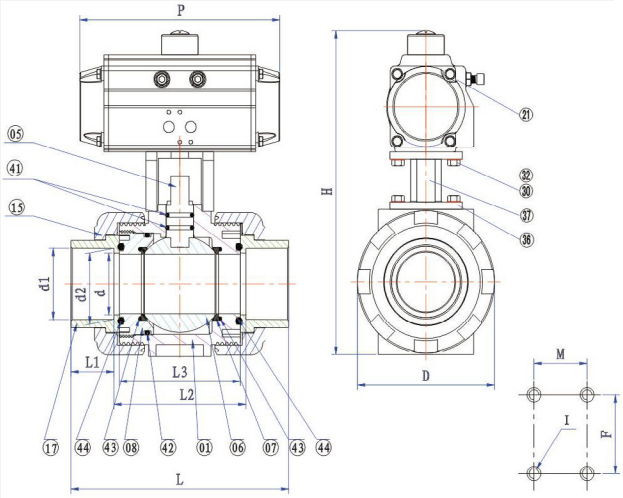


Feature

- Actuator passes the impact test, acid, and alkali test, and the material conforms to SGS
- Valve opening can be adjusted from 15° to 90°
- Connection of the actuator to the valve in accordance with EN ISO 5211
- Nano-modified raw material to improve pressure resistance and impact resistance
- Adding anti-UV absorbers and antioxidants to improve weathering and aging resistance
- 100% working pressure testing

Material List

S/N	Part	Specification	Qty.
44	O-ring	EPDM/VITON	2
43	O-ring	EPDM/VITON	2
42	O-ring	EPDM/VITON	1
41	O-ring	EPDM/VITON	2
37	Adaptor	SUS304	1
36	Bracket	SUS304	1
32	Flat washer	SUS304/SUS316	6–8
30	Bolt	SUS304/SUS316	6–8
21	Pneumatic Actuator	Alloy	1
17	Union end	UPVC/CPVC/PPH/PVDF	2
15	Nut	UPVC/CPVC/PPH/PVDF	2
08	Liner	UPVC/CPVC/PPH/PVDF	1
07	Seat seal	TPV/PTFE	2
06	Ball	UPVC/CPVC/PPH/PVDF	1
05	Stem	UPVC/CPVC/PPH/PVDF	1
01	Body	UPVC/CPVC/PPH/PVDF	1



Unit: mm

Size	d	d1				d2				D	L		L1		L2	L3	P	H	F	M	I
		ANSI	DIN	JIS	CNS	ANSI	DIN	JIS	CNS		ANSI/ JIS/ CNS	DIN	ANSI/ JIS/ CNS	DIN							
1/2" (15)	15	21.54	20.30	22.40	22.40	21.23	20.10	21.73	21.90	54.00	104.80	92.00	22.30	16.00	60.00	52.00	155.00	176.50	31.00	-	M6
3/4" (20)	20	26.87	25.30	26.45	26.40	26.57	25.10	25.69	25.90	63.00	113.00	100.00	25.50	19.00	62.00	54.00	155.00	186.00	33.00	-	M6
1" (25)	25	33.65	32.30	32.55	34.50	33.27	32.10	31.70	33.90	73.50	127.20	114.00	28.60	22.00	70.00	62.00	155.00	196.00	40.00	-	M6
1-1/4" (32)	32	42.42	40.30	38.60	42.50	42.04	40.10	37.65	41.90	84.50	142.00	130.00	32.00	26.00	78.00	70.00	168.00	235.00	52.00	-	M8
1-1/2" (40)	40	48.56	50.30	48.70	48.60	48.11	50.10	47.74	47.90	98.00	157.00	151.00	35.00	32.00	87.50	79.50	168.00	249.00	52.00	-	M8
2" (50)	50	60.63	63.30	60.80	60.60	60.17	63.10	59.78	59.90	118.00	171.00		38.00		95.00	85.00	168.00	280.00	70.00	-	M8
2-1/2" (63)	63	73.38	75.30	76.60	76.70	72.85	75.10	75.68	75.90	150.00	238.50		47.00		144.50	132.50	219.00	331.00	84.00	45.00	M10
3" (80)	75	89.31	90.40	89.60	89.70	88.70	90.10	88.55	88.90	169.00	268.00		51.00		166.00	150.00	249.00	362.50	84.00	45.00	M10
4" (100)	97	114.76	110.40	114.70	115.00	114.10	110.10	113.60	113.80	211.00	318.00		61.00		196.00	172.00	249.00	423.00	121.00	49.00	M12

Pneumatic Actuated Acting Type: DA (Double Acting), NC (Normally Closed), NO (Normally Open)

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
Control Pressure (Bar)	4–8								
NAMUR Standard Air Interface	G1/4"								
Opening Cylinder Volume (L)	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.5
Closing Cylinder Volume (L)	0.2	0.2	0.2	0.3	0.3	0.3	0.5	0.5	0.8

Air consumption depends on air pressure, switch stroke, volume, and frequency of action. Calculation is as follows:
L/min = cylinder volume (open cylinder volume + close cylinder volume) × [supplied air pressure kPa ÷ 101.3] × times/min.