



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.

KVT IV True Union Ball Valve

Description

- **Material:** UPVC, PPH
- **Size:** 1/2" – 2"; 20 mm – 63 mm; DN15 – DN50
- **Standard:** ANSI, DIN, JIS, and CNS
- **Joint:** Socket end, thread end (NPT, BSPF, and PT), socket fusion, and butt welding
- **Working pressure:** 150 psi
- **Operation temperature:**
 - UPVC (5 °C to 55 °C)
 - PPH (5 °C to 90 °C)
- **Color:**
 - Handle color: Red, blue, green, and orange
 - Body color: UPVC (dark gray), and PPH (beige)

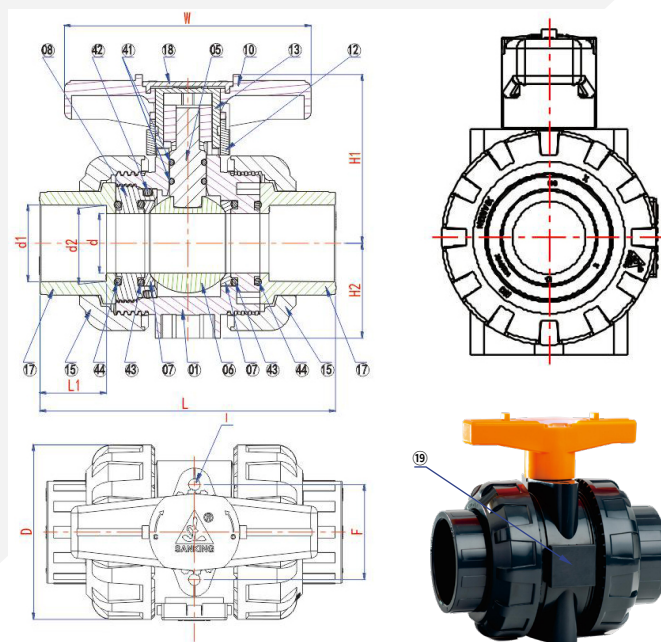
Feature

- Complies with NSF and drinking water standard
- Low torque
- 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
19	Cover	PP	1
18	Nameplate	ABS (clear)	1
17	Union end	UPVC/PPH	2
15	Nut	UPVC/PPH	2
13	Decorative cover	PP	1
12	Decorative ring	PP	1
10	Handle	ABS	1
08	Liner	UPVC/PPH	1
07	Seat seal	TPV/PTFE	2
06	Ball	UPVC/PPH	1
05	Stem	UPVC/PPH	1
01	Body	UPVC/PPH	1



Unit: mm

Size	d	d1					d2					D		L		L1		W	H1	H2	F	I	Operating Torque (N · m)
		UPVC/ANSI	UPVC/DIN	UPVC/JIS	UPVC/CNS	PPH/DIN	UPVC/ANSI	UPVC/DIN	UPVC/JIS	UPVC/CNS	PPH/DIN	UPVC	PPH	UPVC	PPH	UPVC/CPVC	PPH						
1/2" (15)	15	21.54	20.30	22.40	22.40	19.20	21.23	20.10	21.73	21.90	19.00	54.00	54.00	104.80	105.00	22.30	15.00	54.00	52.50	27.50	31.00	M5	2
3/4" (20)	20	26.87	25.30	26.45	26.40	24.20	26.57	25.10	25.69	25.90	23.90	63.00	63.00	113.00	111.10	25.50	16.50	90.00	59.00	32.00	33.00	M5	2.5
1" (25)	25	33.65	32.30	32.55	34.50	31.10	33.27	32.10	31.70	33.90	30.90	73.50	73.50	127.20	124.40	28.60	18.50	106.00	67.50	37.25	40.00	M5	4
1-1/4" (32)	32	42.42	40.30	38.60	42.50	39.00	42.04	40.10	37.65	41.90	38.80	84.50	84.50	142.00	136.80	32.00	21.00	116.00	77.50	42.75	52.00	M8	5
1-1/2" (40)	40	48.56	50.30	48.70	48.60	48.90	48.11	50.10	47.74	47.90	48.70	98.00	101.00	157.00	162.90	35.00	24.00	128.00	90.00	50.00	52.00	M8	7.5
2" (50)	50	60.63	63.30	60.80	60.60	61.90	60.17	63.10	59.78	59.90	61.60	118.00	123.00	171.00	182.50	38.00	28.00	140.00	106.00	60.00	70.00	M8	10