



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 True Union Ball Valve

Description

- **Material:** UPVC, CPVC, PPH, PVDF
- **Size:** 1/2" – 4"; 20 mm – 110 mm; DN15 – DN100
- **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)
 - CPVC & PPH (5 °C to 90 °C)
 - PVDF (-20 °C to 120 °C)
- **Color:**
 - **Handle color:** Red and orange
 - **Body color:** UPVC (dark gray), CPVC (light gray), PVC (Clear), PPH (beige), PVDF (ivory white)

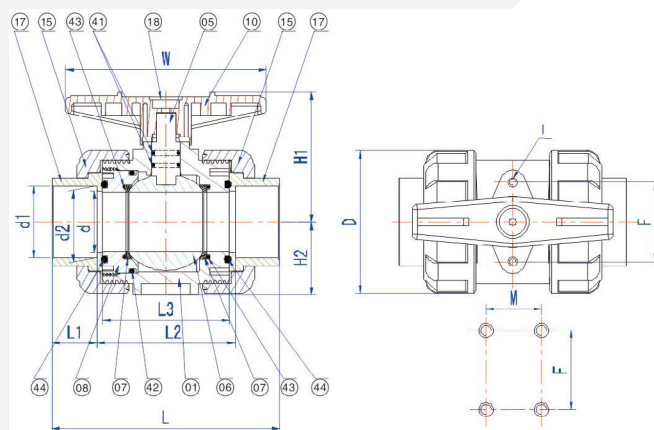


Feature

- 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
18	Logo	ABS	1
17	Union end	UPVC/CPVC/PPH/PVDF	2
15	Nut	UPVC/CPVC/PPH/PVDF	2
10	Handle	ABS	1
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	W	H1	H2	F	M	I	Operating Torque (N · m)
		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	84.00	52.50	27.50	31.00	-	M6	2
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	90.00	59.00	32.00	33.00	-	M6	2.5
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	106.00	67.50	37.25	40.00	-	M6	4
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	116.00	77.50	42.75	52.00	-	M8	5
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	128.00	90.00	50.00	52.00	-	M8	7.5
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	140.00	106.00	60.00	70.00	-	M8	10
2-1/2" (65)	65	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	210.00	136.50	76.50	84.00	45.00	M10	15
3" (80)	75	89.31	90.30	89.60	89.70	88.70	90.10	88.55	88.90	169.00	268.00		51.00		166.00	150.00	235.00	149.50	86.00	84.00	45.00	M10	20
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	260.00	175.00	107.00	121.00	49.00	M12	28