



PVC Solutions

V2023.01

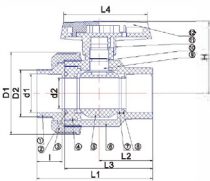
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Plastic Valves and Fitting



Single Union Ball Valve

Specification of material



No.	Part	Material	QTY
1	End Connector	PVC, CPVC, PP	1
2	Carrier O-Ring	EPDM, FPM (NBR)	1
3	Union Nut	PVC, CPVC, PP	1
4	Seal Carrier	PVC, CPVC, PP	1
5	Ball	PVC, CPVC, PP	1
6	Body	PVC, CPVC, PP	1

No.	Part	Material	QTY
7	Seat Seal	PTFE	2
8	O-Ring	EPDM, FPM (NBR)	2
9	stem	PVC, CPVC, PP	1
10	Stem O-Ring	EPDM, FPM (NBR)	2
11	Handle	ABS	1

Single Union Ball Valve

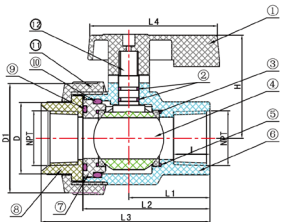
Dimensions

Size	NPT Thd./ in	BSPT Thd./ in	JIS d1	BS d1	ANSI d1	DIN d1	d2	D2	D1	I	L1	L2	L3	L4	H
15mm(1/2")	14	14	22	22	21.34	20	14	27.6	51.3	20.6	95.8	25.3	67.3	65	49.5
20mm(3/4")	14	14	26	26	26.67	25	18.7	35.2	65.5	25	111.4	32.4	78.3	74.9	56.5
25mm(1")	11.5	11	32	34	33.4	32	24	41.6	73.7	27.9	121.5	49.5	85.9	85	65
32mm(1-1/4")	11.5	11	38	42	42.16	40	32	49	86.6	27	130	57	99	97.1	76.5
40mm(1-1/2")	11.5	11	48	48	48.26	50	40	60.8	102	34.5	157.5	69	113.5	109.7	86.5
50mm(2")	11.5	11	60	60	60.33	63	50	74.5	120	40	190	81	136.5	190	102
65mm(2-1/2")	8	11	76	76	73.03	75	60	89	135	40	210	95.9	156	161	113.5
80mm(3")	8	11	89	89	88.9	90	79	107.5	188	48	254.6	120.9	196.5	199.4	161.5
100mm(4")	8	11	114	114	114.3	110	99	132	215.5	56	294	140.7	225	240	174



Single Union Ball Valve III

Specification of material



No.	Part	Material	QTY
1	Handle	PVC-U	1
2	Stem O-Ring	NBR	1
3	Seat Seal	PTFE	1
4	Ball	PVC-U	1
5	O-Ring	NBR	1
6	Body	PVC-U	1

No.	Part	Material	QTY
7	Seat Carrier	PVC-U	1
8	End Connector	PVC-U	1
9	Seat Carrier Flat O-Ring	NBR	1
10	Sear Carrier O-Ring	NBR	1
11	Union nut	PVC-U	1
12	Stem	PVC-U	1

Single Union Ball Valve III

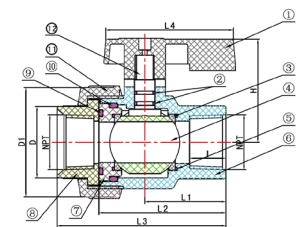
Dimensions

Nom Size	D1	D	NPT	NBR	I	L1	L2	L3	L4	H
15mm(1/2")	49	29	1/2"	20	18	38	58	80	57	50
20mm(3/4")	60	35	3/4"	25	18	41.9	66	88	64	49.7
25mm(1")	66	43.2	1"	32	22	49	76.7	101.9	77.2	62.3
32mm(1-1/4")	81	51	1-1/4"	40	29	59	93	125	91	75
40mm(1-1/2")	94	60	1-1/2"	50	31.5	63.2	99.2	133.2	100	81.5
50mm(2")	111	74	2"	63	38	82.4	124.7	165.7	117.6	92.4
80mm(3")	178	107.5	3"	85	56	108.4	172	229.3	173	138.6
100mm(4")	210	131	4"	110	66.2	135	212.4	281.1	224	151.65



Male Single Union Ball Valve

Specification of material



No.	Part	Material	QTY
1	Cover	PVC-U	1
2	Handle	ABS	1
3	Stem	PVC-U	1
4	Stem O-Ring	EPDM	2
5	Body	PVC-U	1
6	O-Ring	EPDM	2
7	Seat Seal	PTFE	7

No.	Part	Material	QTY
8	Ball	PVC-U	1
9	O-Ring	EODM	1
10	Seal	PVC-U	1
11	Seal Carrier	PVC-U	1
12	O-Ring	EPDM	1
13	End Connector	PVC-U	2
14	Union Nut	PVC-U	7

Male Single Union Ball Valve

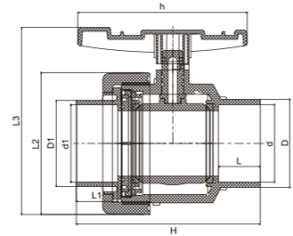
Dimensions

Size	D1	D2	d1	d2	L1	L2	L3	L4	H	I
15mm(1/2")	47.8	26.4	20.3	14	40	67	88.5	59.2	49.8	17
20mm(3/4")	58.8	31.3	25.3	19	43	78	101.5	68.3	57.3	20
25mm(1")	68	38	32.4	32	50	86	112	78.3	64.4	23.4
32mm(1-1/4")	82.4	49	40.4	32.5	56.4	99.3	129.7	89.5	76	26.6
40mm(1-1/2")	94.6	59.5	50.4	40	68.2	115	151.8	101.3	86.6	31.5
50mm(2")	113	73.9	63.4	49.7	78	134	179	124.4	101	28.5
65mm(2-1/2")	128	87.8	67	59.5	90	151.8	203.8	149.9	113.1	44
80mm(3")	181	107.4	90.4	80	120.9	196	254.7	191.6	160	52
100mm(4")	204	132.2	106.5	96	139.5	224.5	295.8	191.6	230.3	62



II Single Union Ball Valve

Item No. USU05

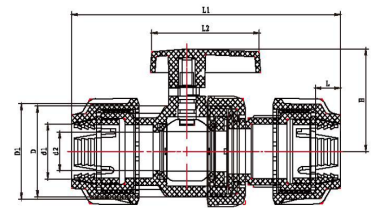


Size	d	D	d1	D1	L	L1	L2	L3	h	H
1/2"	21.7	29	21.22	29	18	16	49.5	78.75	66.2	73.2
3/4"	27.2	35	27.2	35	19	16.9	59.1	88.8	76.2	83.2
1"	34.4	42.9	32.4	42.9	23	22	68	100.6	86.9	96.3
1-1/4"	42.6	52	40.4	52	26.5	26	83.2	127.2	109.9	120.8
1-1/2"	50.5	60.9	48	62	31.5	31	94	136.2	118.2	135
2"	60.8	75.7	60.5	75.7	38	37.5	115.2	160.6	145	164
2-1/2"	73.4	85.6	75.5	87.7	46.8	45	130	184.9	176.8	194.6
3"	89.3	104.5	90.5	104.7	51.5	51.4	168	228.4	208	225.8
4"	114.8	130.2	115.76	127	61.5	61.3	210	276.6	249.8	271.3



Compression True Union Ball Valve

Item No. PT015



Size	d	D	d1	D1	L	L1	L2	L3
20	40	42.4	21.6	15	13.5	143.6	55.5	47.4
25	48	49	26	22	16	164.82	64	56.3
32	56	59	34	24	17	183.1	73.3	63.4
40	63.7	71.5	41.1	32	34.9	256	99.2	75.2
50	76.5	85	52.4	40	38.4	287	116.6	74.4
63	95	104.5	65.9	50	39.8	320	126.5	99.2

