



SAFETY BLOCK (TRUE UNION) BALL VALVE



NSF certified listing

CB Series

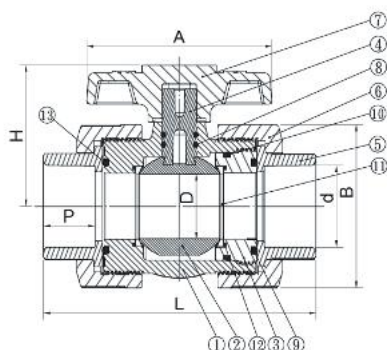
CB100 SOCKET/ CB200 THREAD/ CB300 FLANGED
Size: 1/2" - 4"

MATERIALS OF CONSTRUCTION

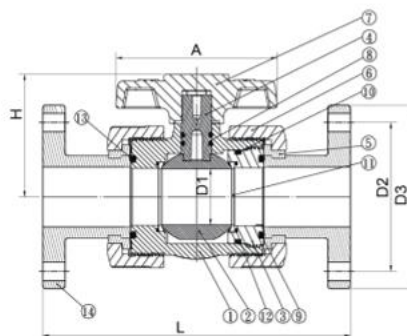
Item	Parts	Pcs	Materials	Item	Parts	Pcs	Materials
1	BODY	1	UPVC, PP, CPVC, PVDF	8	STEM O'RING	2	EPDM, VITON
2	BALL	1	UPVC, PP, CPVC, PVDF	9	END'S O'RING	1	EPDM, VITON
3	SEAT CARRIER	1	UPVC, PP, CPVC, PVDF	10	BODY O'RING	1	EPDM, VITON
4	STEM	1	UPVC, PP, CPVC, PVDF	11	SEAT	1	PTFE
5	END CONNECTOR	2	UPVC, PP, CPVC, PVDF	12	SOLID CARRIER O'RING	2	EPDM, VITON
6	UNION NUT	2	UPVC, PP, CPVC, PVDF	13	SOLID END O'RING	1	EPDM, VITON
7	HANDLE	1	ABS	14	FLANGE	2	UPVC, PP, CPVC, PVDF

DIMENSIONS TABLE

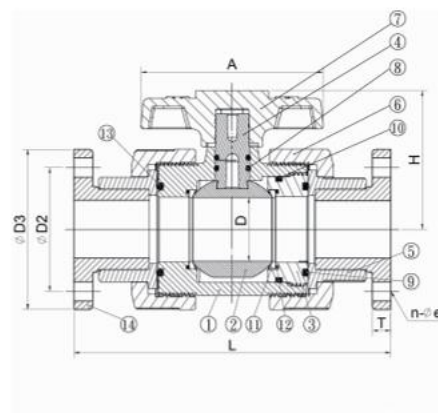
JIS																Unit:mm	
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			A	T	H	B	Test Press (kgf/cm ²)	Working press (kgf/cm ²)
				Socket	Thread				Socket	Thread	Flange						
15(1/2")	15	70	95	22	PT1/2	15	4	22.2	115	115	152	77	15	55	54	22.5	15
20(3/4")	19	75	100	26	PT3/4	15	4	25.4	126	126	164	85	16	60	65	22.5	15
25(1")	25	90	125	32	PT1	19	4	28.6	145	145	189	98	17	71	73	22.5	15
32(1-1/4")	38	100	135	38	PT1-1/4	19	4	31.8	167	167	211	109	17	75	81	22.5	15
40(1-1/2")	38	105	140	48	PT1-1/2	19	4	34.9	182	182	230	118	17	95	98	22.5	15
50(2")	48	120	155	60	PT2	19	4	38.1	202	202	254	137	20	104	120	22.5	15
65(2-1/2")	65	140	175	76	PT2-1/2	19	4	44.5	227	227	279	190	20	140	150	15	10
80(3")	78	150	185	89	PT3	19	8	47.6	273	273	328	230	23	165	184	15	10
100(4")	102	175	210	114	PT4	19	8	57.0	323	323	387	274	23	172	226	15	10



SOCKET & SCREW TYPE



15A-50A FLANGE TYPE



65A-100A FLANGE TYPE

DIMENSIONS TABLE

ANSI																	Unit: inch
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			A	T	H	B	Test Press (lb/in ²)	Working press (lb/in ²)
				Socket	Thread				Socket	Thread	Flange						
15(1/2")	0.59	2.375	3.500	0.848	NPT1/2	0.625	4	0.875	4.528	4.528	5.984	3.03	0.591	2.17	2.17	353	235
20(3/4")	0.748	2.750	3.875	1.058	NPT3/4	0.625	4	1.000	4.961	4.961	6.457	3.35	0.630	2.36	2.56	353	235
25(1")	0.98	3.125	4.250	1.325	NPT1	0.625	4	1.125	5.709	5.709	7.441	3.86	0.669	2.80	2.87	353	235
32(1-1/4")	1.496	3.500	4.625	1.670	NPT1-1/4	0.625	4	1.250	6.574	6.574	8.307	4.29	0.669	2.95	3.19	353	235
40(1-1/2")	1.496	3.875	5.000	1.912	NPT1-1/2	0.625	4	1.375	7.165	7.165	9.055	4.65	0.709	3.74	3.86	353	235
50(2")	1.89	4.750	6.000	2.387	NPT2	0.750	4	1.500	7.953	7.953	10.000	5.39	0.787	4.09	4.72	353	235
65(2-1/2")	2.56	5.500	7.000	2.889	NPT2-1/2	0.750	4	1.750	8.937	8.937	10.984	7.48	0.787	5.51	5.90	235	150
80(3")	3.07	6.000	7.500	3.515	NPT3	0.750	4	1.875	10.748	10.748	12.914	9.06	0.90	6.50	7.24	235	150
100(4")	4.01	7.500	9.000	4.518	NPT4	0.750	8	2.250	12.716	12.716	15.236	10.79	0.90	6.77	8.897	235	150

DIN																	Unit: mm
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			A	T	H	B	Test Press (bar)	Working press (bar)
				Socket	Thread				Socket	Thread	Flange						
15(1/2")	15	65	95	20	R1/2	14	4	16.0	115	115	152	77	15	55	54	24	16
20(3/4")	19	75	105	25	R3/4	14	4	18.5	126	126	164	85	16	60	65	24	16
25(1")	25	85	115	32	R1	14	4	22.0	145	145	189	98	17	71	73	24	16
32(1-1/4")	38	100	140	40	R1-1/4	18	4	26.0	167	167	211	109	17	75	81	24	16
40(1-1/2")	38	110	150	50	R1-1/2	18	4	31.0	182	182	230	118	18	95	98	24	16
50(2")	48	125	165	63	R2	18	4	37.5	202	202	254	137	20	104	120	24	16
65(2-1/2")	65	145	185	75	R2-1/2	18	4	43.5	227	227	279	190	20	140	150	15	10
80(3")	78	160	200	90	R3	18	8	51.0	273	273	328	230	23	165	184	15	10
100(4")	102	180	220	110	R4	18	8	61.0	323	323	387	274	23	172	226	15	10

✱ The dimension table is calculated based on PVC material.
The valve of test pressure is calculated based on PVC PVDF materials.
The valve of test pressure for PP material is 70% based on the table.
The flanged length tolerance is according to EN558-1:1995.