



COLD WORKING PRESSURE 150 PSI (150B) 250 PSI (250B)

MECHANICAL JOINT DIMENSIONS, INCHES

VALVE SIZE	AWWA C504 CLASS	A	B	C	D	F	G	H	J	K	L	M	N	O	P	Q	R	S	U	PD* Min.	NO. OF BOLTS	BOLT SIZE	SHPG WT.
4	150B 250B	7.50	7.50	9.38	1.00	6.00	7.91	2.50	.625	1.81	0.19	.517	4.00	3.25	1.88	0.50	1.00	2.50	3.75	3.12	4	3/4	35 45
6	150B 250B	8.00	9.50	11.13	1.06	7.00	8.59 8.88	2.50	1.125	1.88	0.25	.986	4.00	3.25	1.88	0.50	1.00	2.50	4.00	5.26	6	3/4	57 95
8	150B 250B	8.25	11.75	13.38	1.13	8.00	9.56 10.13	2.50	1.125	1.88	0.25	.986	4.00	3.25	1.88	0.50	1.00	2.50	4.13	7.31	6	3/4	93 120
10	150B 250B	8.88	14.00	15.56	1.19	10.00	12.81	3.75	1.500	2.94	0.38	1.289	5.75	4.50	2.50	0.69	1.00	2.50	4.25	9.25	8	3/4	151 175
12	150B 250B	10.00	16.25	17.94	1.25	11.06	13.88 14.13	3.75	1.500	2.94	0.38	1.289	5.75	4.50	2.50	0.69	1.00	2.50	4.31	10.93	8	3/4	221 270
14	150B 250B	13.00	18.75	20.31	1.31	13.50	16.34	4.25	2.000	3.13	0.50	1.718	8.00	6.00	3.50	0.94	1.00	3.50	5.69	12.75	10	3/4	296 350
16	150B 250B	14.00	21.00	22.56	1.38	14.63	17.38	4.25	2.000	3.13	0.50	1.718	8.00	6.00	3.50	0.94	1.13	3.50	5.81	14.44	12	3/4	390 470
18	150B 250B	14.13	23.25	24.81	1.44	15.50	19.38	5.25	2.500	3.69	0.63	2.148	11.00	7.50	4.38	1.25	1.13	3.50	6.00	16.58	12	3/4	522 600
20	150B 250B	14.00	25.50	27.13	1.50	17.50	21.38	5.25	2.500	3.69	0.63	2.148	11.00	7.50	4.38	1.25	1.00	3.50	6.25	18.75	14	3/4	632 750
24	150B 250B	15.63	30.00	31.56	1.63	20.50	25.13	6.00	2.500	3.69	0.63	2.148	11.00	7.50	4.38	1.25	1.00	3.50	6.50	22.44	16	3/4	975 1,250

* PD = MINIMUM PIPE ID TO CLEAR BUTTERFLY VALVE DISC (CHAMFER PIPE ID AT 45° IF NECESSARY)

Revised 10-28-10

150B & 250B MECHANICAL JOINT BUTTERFLY VALVE WITH BARE STEM

DATE 7-21-05

VAL-MATIC® VALVE AND MANUFACTURING CORP.

DRWG. NO. VM-2104/BS