



BUTTERFLY VALVES DIMENSIONS EN558-AWWA C504-MSS SP-67

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		U. S. A. - ASME							U. S. A. - WATER						
		ASME B16.10:2020 GENERAL MECHANICAL EQUIPMENT							AWWA C504:2023 WATERWORKS						
NPS [mm]	NPS [in]	STEEL, OFFSET SEAT			CAST IRON AND STEEL, CONCENTRIC DISK AND SEAT (MSS SP-67)				RUBBER-SEATED FOR FRESH WATER SERVICE						
					NARROW	WIDE	NARROW	WIDE	EXTRA WIDE	MAXIMUM PRESSURE 250 psig (1.723 kPa)					
		API 609 CATEGORY B			AWWA C504 SHORT BODY	AWWA C504 LONG BODY	MSS SP-67 NARROW	JTS B 2002 SERIES 47 ISO 5752 MEDIUM SERIES	AWWA C504 WAFER TYPE	ASME B16.10 EXTRA WIDE	SHORT BODY ASME B16.10 NARROW	LONG BODY ASME B16.10 WIDE	SHORT BODY ASME B16.10 NARROW	LONG BODY ASME B16.10 WIDE	
		EN 558 SERIES 108	EN 558 SERIES 109	EN 558 SERIES 110	MSS SP-67 NARROW	MSS SP-67 WIDE	BS 5155 SHORT SERIES	MSS SP-67 W-2 WIDE	MSS SP-67 W-3 EXTRA WIDE	MSS SP-67 EXTRA WIDE	MSS SP-67 NARROW	MSS SP-67 WIDE	MSS SP-67 NARROW	MSS SP-67 WIDE	
LUG AND WAFER TYPE			DOUBLE-FLANGED END			LUG AND WAFER TYPE			FLANGED TYPE						
CLASS 150	CLASS 300	CLASS 600	CLASS 150			CLASS 150			CLASS 150B	CLASS 25A-25B, CLASS 150A-150B	CLASS 75A-75B, CLASS 150A-150B	CLASS 250B			
10	3/8	-	-	-	-	-	-	-	-	-	-	-	-		
15	1/2	-	-	-	-	-	-	-	-	-	-	-	-		
20	3/4	-	-	-	-	-	-	-	-	-	-	-	-		
25	1	-	-	-	-	-	-	-	-	-	-	-	-		
32	1 1/4	-	-	-	-	-	-	-	-	-	-	-	-		
40	1 1/2	-	-	-	-	33 ± 2	37 ± 2	38 ± 2	-	-	-	-	-		
50	2	-	-	-	-	43 ± 2	44 ± 2	46 ± 2	-	-	-	-	-		
65	2 1/2	-	-	-	-	46 ± 2	49 ± 2	51 ± 2	-	-	-	-	-		
80	3	48 ± 3	48 ± 3	54 ± 3	127 ± 2	127 ± 2	46 ± 2	49 ± 2	51 ± 2	50.8 ± 3.17	127.0 ± 3.17	127.0 ± 3.17	127.0 ± 3.17	127.0 ± 3.17	
100	4	54 ± 3	54 ± 3	64 ± 3	127 ± 2	178 ± 2	52 ± 2	56 ± 2	57 ± 2	57.2 ± 3.17	127.0 ± 3.17	178.0 ± 3.17	127.0 ± 3.17	178.0 ± 3.17	
125	5	-	-	-	127 ± 2	190 ± 2	56 ± 2	64 ± 2	65 ± 2	-	-	-	-	-	
150	6	57 ± 3	59 ± 3	78 ± 3	127 ± 2	203 ± 2	56 ± 2	70 ± 2	71 ± 2	71.4 ± 3.17	127.0 ± 3.17	203.0 ± 3.17	127.0 ± 3.17	203.0 ± 3.17	
175	7	-	-	-	-	-	-	-	-	-	-	-	-	-	
200	8	64 ± 3	73 ± 3	102 ± 3	152 ± 3	216 ± 3	60 ± 3	71 ± 3	75 ± 3	74.6 ± 3.17	152.0 ± 3.17	216.0 ± 3.17	152.0 ± 3.17	216.0 ± 3.17	
250	10	71 ± 3	83 ± 3	117 ± 3	203 ± 3	381 ± 3	68 ± 3	76 ± 3	79 ± 3	79.4 ± 3.17	203.0 ± 3.17	381.0 ± 3.17	203.0 ± 3.17	381.0 ± 3.17	
300	12	81 ± 3	92 ± 3	140 ± 3	203 ± 3	381 ± 3	78 ± 3	83 ± 3	86 ± 3	85.7 ± 4.76	203.0 ± 4.76	381.0 ± 4.76	203.0 ± 4.76	381.0 ± 4.76	
350	14	92 ± 3	117 ± 3	155 ± 3	203 ± 3	406 ± 3	78 ± 3	92 ± 3	95 ± 3	96.3 ± 4.76	203.0 ± 4.76	406.0 ± 4.76	203.0 ± 4.76	406.0 ± 4.76	
400	16	102 ± 3	133 ± 3	178 ± 3	203 ± 3	406 ± 3	79 ± 3	102 ± 3	105 ± 3	105.0 ± 4.76	203.0 ± 4.76	406.0 ± 4.76	203.0 ± 4.76	406.0 ± 4.76	
450	18	114 ± 3	149 ± 3	200 ± 3	203 ± 3	406 ± 3	102 ± 3	114 ± 3	117 ± 3	117.0 ± 4.76	203.0 ± 4.76	406.0 ± 4.76	203.0 ± 4.76	406.0 ± 4.76	
500	20	127 ± 3	159 ± 3	216 ± 3	203 ± 3	457 ± 3	111 ± 3	127 ± 3	130 ± 3	130.0 ± 4.76	203.0 ± 4.76	457.0 ± 4.76	203.0 ± 4.76	457.0 ± 4.76	
550	22	-	-	-	-	-	-	-	-	-	-	-	-	-	
600	24	154 ± 3	181 ± 3	232 ± 3	203 ± 3	457 ± 3	-	154 ± 3	157 ± 3	-	203.0 ± 4.76	457.0 ± 4.76	203.0 ± 4.76	457.0 ± 4.76	
650	26	-	-	-	-	-	-	-	-	-	-	-	-	-	
700	28	-	-	-	-	-	-	-	-	-	-	-	-	-	
750	30	-	-	-	305 ± 3	559 ± 3	-	165 ± 6	-	-	305.0 ± 4.76	559.0 ± 4.76	305.0 ± 4.76	559.0 ± 4.76	
800	32	-	-	-	-	-	-	-	-	-	-	-	-	-	
850	34	-	-	-	-	-	-	-	-	-	-	-	-	-	
900	36	-	-	-	305 ± 3	559 ± 3	-	200 ± 6	-	-	305.0 ± 4.76	559.0 ± 4.76	305.0 ± 4.76	559.0 ± 4.76	
950	38	-	-	-	-	-	-	-	-	-	-	-	-	-	
1000	40	-	-	-	-	-	-	-	-	-	-	-	-	-	
1050	42	-	-	-	305 ± 3	610 ± 3	-	251 ± 6	-	-	305.0 ± 4.76	610.0 ± 4.76	305.0 ± 4.76	610.0 ± 4.76	
1100	44	-	-	-	-	-	-	-	-	-	-	-	-	-	
1200	48	-	-	-	381 ± 3	680 ± 3	-	276 ± 6	-	-	381.0 ± 4.76	680.0 ± 4.76	381.0 ± 4.76	680.0 ± 4.76	
1250	50	-	-	-	-	-	-	-	-	-	-	-	-	-	
1350	54	-	-	-	381 ± 3	711 ± 3	-	-	-	-	381.0 ± 4.76	711.0 ± 4.76	-	-	
1400	56	-	-	-	-	-	-	-	-	-	-	-	-	-	
1500	60	-	-	-	381 ± 3	762 ± 3	-	-	-	-	381.0 ± 4.76	762.0 ± 4.76	-	-	
1600	64	-	-	-	-	-	-	-	-	-	-	-	-	-	
1650	66	-	-	-	457 ± 3	864 ± 3	-	-	-	-	457.0 ± 4.76	864.0 ± 4.76	-	-	
1800	72	-	-	-	457 ± 3	914 ± 3	-	-	-	-	457.0 ± 4.76	914.0 ± 4.76	-	-	
2000	80	-	-	-	-	-	-	-	-	-	-	-	-	-	
2100	84	-	-	-	-	-	-	-	-	-	-	-	-	-	
2200	88	-	-	-	-	-	-	-	-	-	-	-	-	-	
2400	96	-	-	-	-	-	-	-	-	-	-	-	-	-	
2600	104	-	-	-	-	-	-	-	-	-	-	-	-	-	
2800	112	-	-	-	-	-	-	-	-	-	-	-	-	-	
3000	120	-	-	-	-	-	-	-	-	-	-	-	-	-	
3200	128	-	-	-	-	-	-	-	-	-	-	-	-	-	
3400	136	-	-	-	-	-	-	-	-	-	-	-	-	-	
3600	144	-	-	-	-	-	-	-	-	-	-	-	-	-	
3800	152	-	-	-	-	-	-	-	-	-	-	-	-	-	
4000	160	-	-	-	-	-	-	-	-	-	-	-	-	-	

BLUE LETTERS INDICATE MIRRORED VALUES
 RED ITALIC LETTERS INDICATE HISTORICAL ORIGIN

REFERENCED STANDARDS
 API 609 BUTTERFLY VALVES - DOUBLE-FLANGED, LUG- AND WAFER-TYPE, AND BUTT-WELDING ENDS
 ASME 16.10 FACE-TO-FACE AND END-TO-END DIMENSIONS OF VALVES
 MSS SP-67 BUTTERFLY VALVES

MSS SP-68 HIGH PRESSURE BUTTERFLY VALVES WITH OFFSET DESIGN
 EN 558 INDUSTRIAL VALVES - FACE-TO-FACE AND CENTER-TO-FACE DIMENSIONS OF METAL VALVES FOR USE IN FLANGED PIP SYSTEMS - PN AND CLASS DESIGNATED VALVES
 AWWA C504 RUBBER-SEATED BUTTERFLY VALVES, 3in. (75mm) THROUGH 72in. (1,800 mm)
 BS 5155 SPECIFICATION FOR BUTTERFLY VALVES

▲ China Famous Valve Manufacture

▲ Make Pipeline Flow Control Safer and Smarter

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- Ball Valve**
 - Fully Welded Ball Valve
 - Flaring Ball Valve
 - Thompson Mounted Ball Valve
 - Top Entry Ball Valve
 - Metal Seated Ball Valve
 - Hoisting System Ball Valve
 - V Type Ball Valve
 - Anti-Abrasive Ball Valve
 - Orbit Type Ball Valve
 - Lined Ball Valve
 - Oxygen Ball Valve
 - Cryogenic Ball Valve
- Butterfly Valve**
 - Triple Eccentric Metal Seat Butterfly Valve
 - Triple Offset Laminated Seal Butterfly Valve
 - High Performance Butterfly Valve
 - Double Eccentric Rubber Seal Butterfly Valve
 - Fast Closing Butterfly Valve
 - Half Lining Butterfly Valve
 - PTFE Lining Butterfly Valve
 - Oxygen Butterfly Valve
 - Cryogenic Butterfly Valve
- Gate Valve**
 - Wedge Gate Valve
 - Stainless Steel Gate Valve API603
 - Through Conduit Gate Valve
 - Blow Seal Gate Valve
 - Expansion Bonnet Gate Valve
 - Non-Rising Stem Gate Valve
 - Knee Gate Valve
 - PTFE Lining Gate Valve
 - Cryogenic Gate Valve
- Globe Valve**
 - Bolted Bonnet Globe Valve
 - Pressure Bonnet Globe Valve
 - Rise Valve
 - Angle Globe Valve
 - Ballless Rise Valve
 - Non-Rising Stem Globe Valve
 - Oxygen Globe Valve
 - Cryogenic Globe Valve
- Check Valve**
 - Lift Check Valve
 - Swing Check Valve
 - Vertical Lift Check Valve
 - Rail Plug Check Valve
 - PTFE Lining Check Valve
 - Oxygen Swing Check Valve
 - Axial Check Valve
 - Silent Duty Non-Return Valve
 - Silent Lift Check Valve
 - Butterfly Type Check Valve
 - Hammer Check Valve
 - Clamp Check Valve
- Forged Valve**
 - Forged Gate Valve
 - Forged Globe Valve
 - Forged Swing Check Valve
 - Forged Lift Check Valve
 - Forged Ball Valve
- Control Valve**
 - Single Seat Control Valve
 - Double Seat Control Valve
- Strainer**
 - Y Strainer
 - T Strainer
 - Basket Strainer