

ANSI B16 VALVE FACE TO FACE DIMENSIONS

BALL VALVES

Valve Size	FULL AND REDUCED BORE												FULL BORE						
	CLASS 150						CLASS 300						CLASS 600						
	Raised Face		Welding End		Ring and Groove		Raised Face		Welding End		Ring and Groove		Raised Face		Welding End		Ring and Groove		
Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
2	(50)	7	(177.8)	8 1/2	(215.9)	7 1/2	(190.5)	8 1/2	(215.9)	8 1/2	(215.9)	9 1/8	(231.8)	11 1/2	(292.1)	11 1/2	(292.1)	11 5/8	(295.3)
2 1/2	(65)	7 1/2	(190.5)	9 1/2	(241.3)	8	(203.2)	9 1/2	(241.3)	9 1/2	(241.3)	10 1/8	(257.2)	13	(330.2)	13	(330.2)	13 1/8	(333.4)
3	(80)	8	(203.2)	11 1/8	(282.6)	8 1/2	(215.9)	11 1/8	(282.6)	11 1/8	(282.6)	11 3/4	(298.5)	14	(355.6)	14	(355.6)	14 1/8	(358.8)
4	(100)	9	(228.6)	12	(304.8)	9 1/2	(241.3)	12	(304.8)	12	(304.8)	12 5/8	(320.7)	17	(431.8)	17	(431.8)	17 1/8	(435.0)
6	(150)	15 1/2*	(393.7)	18	(457.2)	16	(406.4)	15 7/8	(403.2)	18	(457.2)	16 1/2	(419.1)	22	(558.8)	22	(558.8)	22 1/8	(562.0)
8	(200)	18*	(457.2)	20 1/2*	(520.7)	18 1/2	(469.9)	19 3/4	(501.7)	20 1/2	(520.7)	20 3/8	(517.5)	26	(660.4)	26	(660.4)	26 1/8	(663.6)
10	(250)	21*	(533.4)	22*	(558.8)	21 1/2	(546.1)	22 3/8	(568.3)	22	(558.8)	23	(584.2)	31	(787.4)	31	(787.4)	31 1/8	(790.6)
12	(300)	24*	(609.6)	25*	(635.0)	24 1/2	(622.3)	25 1/2	(647.7)	25	(635.0)	26 1/8	(663.6)	33	(838.2)	33	(838.2)	33 1/8	(841.4)
14	(350)	27	(685.8)	30	(762.0)	27 1/2	(698.5)	30	(762.0)	30	(762.0)	30 5/8	(777.9)	35	(889.0)	35	(889.0)	35 1/8	(892.2)
16	(400)	30	(762.0)	33	(838.2)	30 1/2	(774.7)	33	(838.2)	33	(838.2)	33 5/8	(854.1)	39	(990.6)	39	(990.6)	39 1/8	(993.8)
18	(450)	34	(863.6)	36	(914.4)	34 1/2	(876.3)	36	(914.4)	36	(914.4)	36 5/8	(930.3)	43	(1092.2)	43	(1092.2)	43 1/8	(1095.4)
20	(500)	36	(914.4)	39	(990.6)	36 1/2	(927.1)	39	(990.6)	39	(990.6)	39 3/4	(1009.7)	47	(1193.8)	47	(1193.8)	47 1/4	(1200.2)
22	(550)	—	—	—	—	—	—	43	(1092.2)	43	(1092.2)	43 7/8	(1114.4)	51	(1295.4)	51	(1295.4)	51 3/8	(1304.9)
24	(600)	42	(1066.8)	45	(1143.0)	42 1/2	(1079.5)	45	(1143.0)	45	(1143.0)	45 7/8	(1165.2)	55	(1397.0)	55	(1397.0)	55 3/8	(1406.5)
26	(650)	45	(1143.0)	49	(1244.6)	—	—	49	(1244.6)	49	(1244.6)	50	(1270.0)	57	(1447.8)	57	(1447.8)	57 1/2	(1460.5)
28	(700)	49	(1244.6)	53	(1346.2)	—	—	53	(1346.2)	53	(1346.2)	54	(1371.6)	61	(1549.4)	61	(1549.4)	61 1/2	(1562.1)
30	(750)	51	(1295.4)	55	(1397.0)	—	—	55	(1397.0)	55	(1397.0)	56	(1422.4)	65	(1651.0)	65	(1651.0)	65 1/2	(1663.7)
32	(800)	54	(1371.6)	60	(1524.0)	—	—	60	(1524.0)	60	(1524.0)	61 1/8	(1522.6)	70	(1778.0)	70	(1778.0)	70 5/8	(1793.9)
34	(850)	58	(1437.2)	64	(1625.6)	—	—	64	(1625.6)	64	(1625.6)	65 1/8	(1654.2)	76	(1930.4)	76	(1930.4)	76 5/8	(1946.3)
36	(900)	60	(1524.0)	68	(1727.2)	—	—	68	(1727.2)	68	(1727.2)	69 1/8	(1755.8)	82	(2082.8)	82	(2082.8)	82 5/8	(2098.7)

* Also available short pattern

BALL VALVES (FULL BORE)

Valve Size	CLASS 900						CLASS 1500						CLASS 2500						
	Raised Face		Welding End		Ring and Groove		Raised Face		Welding End		Ring and Groove		Raised Face		Welding End		Ring and Groove		
	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	
2	(50)	14 1/2	(368.3)	14 1/2	(368.3)	14 5/8	(371.5)	14 1/2	(368.3)	14 1/2	(368.3)	14 5/8	(371.5)	17 3/4	(450.9)	17 3/4	(450.9)	17 7/8	(454.0)
2 1/2	(65)	16 1/2	(419.1)	16 1/2	(419.1)	16 5/8	(422.3)	16 1/2	(419.1)	16 1/2	(419.1)	16 5/8	(422.3)	20	(508.0)	20	(508.0)	21 1/4	(539.8)
3	(80)	15	(381.0)	15	(381.0)	15 1/8	(384.2)	18 1/2	(469.9)	18 1/2	(469.9)	18 5/8	(473.1)	22 3/4	(577.9)	22 3/4	(577.9)	23	(584.2)
4	(100)	18	(457.2)	18	(457.2)	18 1/8	(460.4)	21 1/2	(546.1)	21 1/2	(546.1)	21 5/8	(549.3)	26 1/2	(673.1)	26 1/2	(673.1)	26 7/8	(682.6)
6	(150)	24	(609.6)	24	(609.6)	24 1/8	(612.8)	27 3/4	(704.9)	27 3/4	(704.9)	28	(711.2)	36	(914.4)	36	(914.4)	36 1/2	(927.1)
8	(200)	29	(736.6)	29	(736.6)	29 1/8	(739.8)	32 3/4	(831.9)	32 3/4	(831.9)	33 1/8	(841.4)	40 1/4	(1022.4)	40 1/4	(1022.4)	40 7/8	(1038.2)
10	(250)	33	(838.2)	33	(838.2)	33 1/8	(841.4)	39	(990.6)	39	(990.6)	39 3/8	(1000.1)	50	(1270.0)	50	(1270.0)	50 7/8	(1292.2)
12	(300)	38	(965.2)	38	(965.2)	38 1/8	(968.4)	44 1/2	(1130.3)	44 1/2	(1130.3)	45 1/8	(1146.2)	56	(1422.4)	56	(1422.4)	56 7/8	(1444.6)
14	(350)	40 1/2	(1028.7)	40 1/2	(1028.7)	40 7/8	(1038.2)	49 1/2	(1257.3)	49 1/2	(1257.3)	50 1/4	(1276.4)	—	—	—	—	—	—
16	(400)	44 1/2	(1130.3)	44 1/2	(1130.3)	44 7/8	(1139.8)	54 1/2	(1384.3)	54 1/2	(1384.3)	55 3/8	(1406.5)	—	—	—	—	—	—
18	(450)	48	(1219.2)	48	(1219.2)	48 1/2	(1231.9)	—	—	—	—	—	—	—	—	—	—	—	—
20	(500)	52	(1320.8)	52	(1320.8)	52 1/2	(1333.5)	—	—	—	—	—	—	—	—	—	—	—	—
22	(550)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	(600)	61	(1549.4)	61	(1549.4)	61 3/4	(1568.5)	—	—	—	—	—	—	—	—	—	—	—	—

GATE VALVES

Valve Size	CLASS 150						CLASS 300						CLASS 600						
	Raised Face		Welding End		Ring and Groove		Raised Face		Welding End		Ring and Groove		Raised Face		Welding End		Ring and Groove		
	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	
2	(50)	7	(177.8)	8 1/2	(215.9)	7 1/2	(190.5)	8 1/2	(215.9)	8 1/2	(215.9)	9 1/8	(231.8)	11 1/2	(292.1)	11 1/2	(292.1)	11 5/8	(295.3)
2 1/2	(65)	7 1/2	(190.5)	9 1/2	(241.3)	8	(203.2)	9 1/2	(241.3)	9 1/2	(241.3)	10 1/8	(257.2)	13	(330.2)	13	(330.2)	13 1/8	(333.4)
3	(80)	8	(203.2)	11 1/8	(282.6)	8 1/2	(215.9)	11 1/8	(282.6)	11 1/8	(282.6)	11 3/4	(298.5)	14	(355.6)	14	(355.6)	14 1/8	(358.8)
4	(100)	9	(228.6)	12	(304.8)	9 1/2	(241.3)	12	(304.8)	12	(304.8)	12 5/8	(320.7)	17	(431.8)	17	(431.8)	17 1/8	(435.0)
6	(150)	10 1/2	(266.7)	15 7/8	(403.2)	11	(279.4)	15 7/8	(403.2)	15 7/8	(403.2)	16 1/2	(419.1)	22	(558.8)	22	(558.8)	22 1/8	(562.0)
8	(200)	11 1/2	(292.1)	16 1/2	(419.1)	12	(304.8)	16 1/2	(419.1)	16 1/2	(419.1)	17 1/8	(435.0)	26	(660.4)	26	(660.4)	26 1/8	(663.6)
10	(250)	13	(330.2)	18	(457.2)	13 1/2	(342.9)	18	(457.2)	18	(457.2)	18 5/8	(473.1)	31	(787.4)	31	(787.4)	31 1/8	(790.6)
12	(300)	14	(355.6)	19 3/4	(501.7)	14 1/2	(368.3)	19 3/4	(501.7)	19 3/4	(501.7)	20 3/8	(517.5)	33	(838.2)	33	(838.2)	33 1/8	(841.4)
14	(350)	15	(381.0)	22 1/2	(571.5)	15 1/2	(393.7)	30	(762.0)	30	(762.0)	30 5/8	(777.9)	35	(889.0)	35	(889.0)	35 1/8	(892.2)
16	(400)	16	(406.4)	24	(609.6)	16 1/2	(419.1)	33	(838.2)	33	(838.2)	33 5/8	(854.1)	39	(990.6)	39	(990.6)	39 1/8	(993.8)
18	(450)	17	(431.8)	26	(660.4)	17 1/2	(444.5)	36	(914.4)	36	(914.4)	36 5/8	(930.3)	43	(1092.2)	43	(1092.2)	43 1/8	(1095.4)
20	(500)	18	(457.2)	28	(711.2)	18 1/2	(469.9)	39	(990.6)	39	(990.6)	39 3/4	(1009.7)	47	(1193.8)	47	(1193.8)	47 1/4	(1200.2)
22	(550)	—	—	—	—	—	—	43	(1092.2)	43	(1092.2)	43 7/8	(1114.4)	51	(1295.4)	51	(1295.4)	51 3/8	(1304.9)
24	(600)	20	(508.0)	32	(812.8)	20 1/2	(520.7)	45	(1143.0)	45	(1143.0)	45 7/8	(1165.2)	55	(1397.0)	55	(1397.0)	55 3/8	(1406.5)
26	(650)	22	(558.8)	34	(863.6)	—	—	49	(1244.6)	49	(1244.6)	50	(1270.0)	57	(1447.8)	57	(1447.8)	57 1/2	(1460.5)
28	(700)	24	(609.6)	36	(914.4)	—	—	53	(1346.2)	53	(1346.2)	54	(1371.6)	61	(1549.4)	61	(1549.4)	61 1/2	(1562.1)
30	(750)	24	(609.6)	36	(914.4)	—	—	55	(1397.0)	55	(1397.0)	56	(1422.4)	65	(1651.0)	65	(1651.0)	65 1/2	(1663.7)
32	(800)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
34	(850)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
36	(900)	28	(711.2)	40	(1016.0)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

GATE VALVES

Valve Size	CLASS 900						CLASS 1500						CLASS 2500					
	Raised Face		Welding End		Ring and Groove		Raised Face		Welding End		Ring and Groove		Raised Face		Welding End		Ring and Groove	
Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)
2	(50)	14 1/2 (368.3)	14 1/2 (368.3)	14 1/2 (368.3)	14 5/8 (371.5)	14 1/2 (368.3)	14 1/2 (368.3)	14 1/2 (368.3)	14 1/2 (368.3)	14 5/8 (371.5)	17 3/4 (450.9)	17 3/4 (450.9)	17 7/8 (454.0)					
2 1/2	(65)	15 (381.0)	15 (381.0)	15 (381.0)	15 1/8 (384.2)	16 1/2 (419.1)	16 1/2 (419.1)	16 1/2 (419.1)	16 1/2 (419.1)	16 5/8 (422.3)	20 (508.0)	20 (508.0)	20 1/4 (514.4)					
3	(80)	16 1/2 (419.1)	16 1/2 (419.1)	16 1/2 (419.1)	16 5/8 (422.3)	18 1/2 (469.9)	18 1/2 (469.9)	18 1/2 (469.9)	18 1/2 (469.9)	18 5/8 (473.1)	22 3/4 (577.9)	22 3/4 (577.9)	23 (584.2)					
4	(100)	18 (457.2)	18 (457.2)	18 (457.2)	18 1/8 (460.4)	21 1/2 (546.1)	21 1/2 (546.1)	21 1/2 (546.1)	21 1/2 (546.1)	21 5/8 (549.3)	26 1/2 (673.1)	26 1/2 (673.1)	26 7/8 (682.6)					
6	(150)	24 (609.6)	24 (609.6)	24 (609.6)	24 1/8 (612.8)	27 3/4 (704.9)	27 3/4 (704.9)	27 3/4 (704.9)	27 3/4 (704.9)	28 (711.2)	36 (914.4)	36 (914.4)	36 1/2 (927.1)					
8	(200)	29 (736.6)	29 (736.6)	29 (736.6)	29 1/8 (739.8)	32 3/4 (831.9)	32 3/4 (831.9)	32 3/4 (831.9)	32 3/4 (831.9)	33 1/8 (841.4)	40 1/4 (1022.4)	40 1/4 (1022.4)	40 7/8 (1038.2)					
10	(250)	33 (838.2)	33 (838.2)	33 (838.2)	33 1/8 (841.4)	39 (990.6)	39 (990.6)	39 (990.6)	39 (990.6)	39 3/8 (1000.1)	50 (1270.0)	50 (1270.0)	50 7/8 (1292.2)					
12	(300)	38 (965.2)	38 (965.2)	38 1/8 (968.4)	44 1/2 (1130.3)	44 1/2 (1130.3)	44 1/2 (1130.3)	44 1/2 (1130.3)	44 1/2 (1130.3)	45 1/8 (1146.2)	56 (1422.4)	56 (1422.4)	56 7/8 (1444.6)					
14	(350)	40 1/2 (1028.7)	40 1/2 (1028.7)	40 7/8 (1038.2)	49 1/2 (1257.3)	49 1/2 (1257.3)	49 1/2 (1257.3)	49 1/2 (1257.3)	49 1/2 (1257.3)	50 1/4 (1276.4)	—	—	—					
16	(400)	44 1/2 (1130.3)	44 1/2 (1130.3)	44 7/8 (1139.8)	54 1/2 (1384.3)	54 1/2 (1384.3)	54 1/2 (1384.3)	54 1/2 (1384.3)	54 1/2 (1384.3)	55 3/8 (1406.5)	—	—	—					
18	(450)	48 (1219.2)	48 (1219.2)	48 1/2 (1231.9)	60 1/2 (1536.7)	60 1/2 (1536.7)	60 1/2 (1536.7)	60 1/2 (1536.7)	60 1/2 (1536.7)	61 3/8 (1558.9)	—	—	—					
20	(500)	52 (1320.8)	52 (1320.8)	52 1/2 (1333.5)	65 1/2 (1663.7)	65 1/2 (1663.7)	65 1/2 (1663.7)	65 1/2 (1663.7)	65 1/2 (1663.7)	66 3/8 (1685.0)	—	—	—					
22	(550)	—	—	—	—	—	—	—	—	—	—	—	—					
24	(600)	61 (1549.4)	61 (1549.4)	61 3/4 (1568.5)	76 1/2 (1943.1)	76 1/2 (1943.1)	76 1/2 (1943.1)	76 1/2 (1943.1)	76 1/2 (1943.1)	77 5/8 (1971.7)	—	—	—					

GLOBE VALVES

Valve Size	RAISED FACE													
	Class 150		Class 300		Class 400		Class 600		Class 900		Class 1500		Class 2500	
Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)
2	(50)	8 (203)	10 1/2 (267)	—	—	11 1/2 (292)	14 1/2 (369)	14 1/2 (368)	17 3/4 (451)					
2 1/2	(65)	8 1/2 (216)	11 1/2 (292)	—	—	13 (330)	16 1/2 (419)	16 1/2 (419)	20 (508)					
3	(80)	9 1/2 (241)	12 1/2 (318)	—	—	14 (356)	18 1/2 (470)	18 1/2 (470)	22 3/4 (578)					
4	(100)	11 1/2 (292)	14 (356)	—	—	17 (432)	21 1/2 (546)	21 1/2 (546)	26 1/2 (673)					
6	(150)	16 (406)	17 1/2 (444)	19 (485)	22 (559)	24 (610)	27 3/4 (705)	27 3/4 (705)	36 (914)					
8	(200)	19 1/2 (495)	22 (559)	—	—	26 (660)	29 (737)	32 3/4 (832)	—					
10	(250)	24 1/2 (622)	24 1/2 (622)	—	—	31 (787)	33 (838)	—	—					
12	(300)	27 1/2 (698)	28 (711)	26 (660)	33 (838)	38 (965)	—	—	—					
14	(350)	31 (787)	—	—	—	—	—	—	—					
16	(400)	36 (914)	—	—	—	—	—	—	—					
18	(450)	38 1/2 (978)	—	—	—	—	—	—	—					

KNIFE GATE, GATE, BUTTERFLY & DIAPHRAGM VALVES

Inches	(mm)	Diaphragm	Butterfly	Knife Gate	Gate
		(BS 5156)	(ISO 5752-Short)		(BS 5150/ AS 3579*)
1/2	(15)	108	—	—	108
3/4	(20)	117	—	—	117
1	(25)	127	—	—	127
1 1/4	(32)	146	—	—	140
1 1/2	(40)	159	33	—	165
2	(50)	190	43	48	178*
2 1/2	(65)	216	46	48	190*
3	(80)	254	46	51	203*
4	(100)	305	52	51	229*
5	(125)	356	56	57	254*
6	(150)	406	56	57	267*
8	(200)	521	60	70	292*
10	(250)	635	68	70	330*
12	(300)	749	78	76	356*
14	(350)	749	78	76	381
16	(400)	—	102	89	406
18	(450)	—	114	89	432
20	(500)	—	127	114	457
22	(550)	—	154	—	—
24	(600)	—	154	114	508

SWING CHECK VALVES

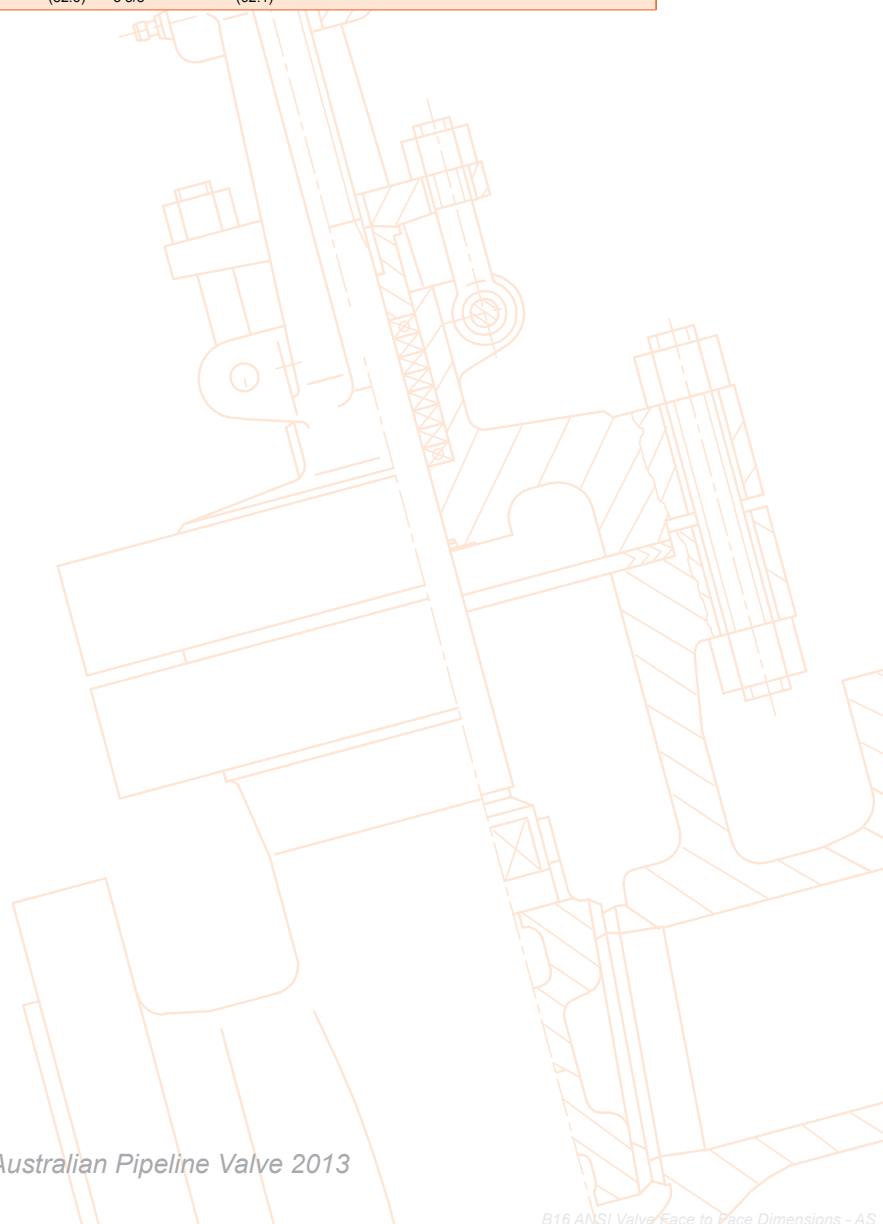
Valve Size	CLASS 150						CLASS 300						CLASS 600					
	Raised Face		Welding End		Ring and Groove		Raised Face		Welding End		Ring and Groove		Raised Face		Welding End		Ring and Groove	
Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)
2	(50)	8 (203.2)	8 (203.2)	8 1/2 (215.9)	8 1/2 (215.9)	10 1/2 (266.7)	10 1/2 (266.7)	11 1/8 (282.6)	11 1/2 (292.1)	11 1/2 (292.1)	11 1/2 (292.1)	11 1/2 (292.1)	11 1/2 (292.1)	11 1/2 (292.1)	11 1/2 (292.1)	11 5/8 (295.3)		
2 1/2	(65)	8 1/2 (215.9)	8 1/2 (215.9)	9 (228.6)	9 (228.6)	11 1/2 (292.1)	11 1/2 (292.1)	12 1/8 (308.0)	13 (330.2)	13 (330.2)	13 (330.2)	13 (330.2)	13 (330.2)	13 (330.2)	13 1/8 (333.4)			
3	(80)	9 1/2 (241.3)	9 1/2 (241.3)	10 (254.0)	10 (254.0)	12 1/2 (317.5)	12 1/2 (317.5)	13 1/8 (333.4)	14 (356.6)	14 (356.6)	14 (356.6)	14 (356.6)	14 (356.6)	14 (356.6)	14 1/8 (358.8)			
4	(100)	11 1/2 (292.1)	11 1/2 (292.1)	12 (304.8)	12 (304.8)	14 (356.6)	14 (356.6)	14 5/8 (371.5)	17 (431.8)	17 (431.8)	17 (431.8)	17 (431.8)	17 (431.8)	17 1/8 (435.0)				
6	(150)	14 (356.6)	14 (356.6)	14 1/2 (368.3)	14 1/2 (368.3)	17 1/2 (444.5)	17 1/2 (444.5)	18 1/8 (460.4)	22 (558.8)	22 (558.8)	22 (558.8)	22 (558.8)	22 (558.8)	22 1/8 (562.0)				
8	(200)	19 1/2 (495.3)	19 1/2 (495.3)	20 (508.0)	20 (508.0)	21 (533.4)	21 (533.4)	21 5/8 (549.3)	26 (660.4)	26 (660.4)	26 (660.4)	26 (660.4)	26 (660.4)	26 1/8 (663.6)				
10	(250)	24 1/2 (622.3)	24 1/2 (622.3)	25 (635.0)	24 1/2 (622.3)	24 1/2 (622.3)	24 1/2 (622.3)	25 1/8 (638.2)	31 (787.4)	31 (787.4)	31 (787.4)	31 (787.4)	31 (787.4)	31 1/8 (790.6)				
12	(300)	27 1/2 (698.5)	27 1/2 (698.5)	28 (711.2)	28 (711.2)	28 (711.2)	28 (711.2)	28 5/8 (727.1)	33 (838.2)	33 (838.2)	33 (838.2)	33 (838.2)	33 (838.2)	33 1/8 (841.4)				
14	(350)	31 (787.4)	31 (787.4)	31 1/2 (800.1)	33 (838.2)	33 (838.2)	33 (838.2)	33 5/8 (854.1)	35 (889.0)	35 (889.0)	35 (889.0)	35 (889.0)	35 (889.0)	35 1/8 (892.2)				
16	(400)	34 (863.6)	34 (863.6)	34 1/2 (876.3)	34 (863.6)	34 (863.6)	34 (863.6)	34 5/8 (879.5)	39 (990.6)	39 (990.6)	39 (990.6)	39 (990.6)	39 (990.6)	39 1/8 (993.8)				
18	(450)	38 1/2 (977.9)	38 1/2 (977.9)	39 (990.6)	38 1/2 (977.9)	38 1/2 (977.9)	38 1/2 (977.9)	39 1/8 (993.8)	43 (1092.2)	43 (1092.2)	43 (1092.2)	43 (1092.2)	43 (1092.2)	43 1/8 (1095.4)				
20	(500)	38 1/2 (977.9)	38 1/2 (977.9)	39 (990.6)	40 (1016.0)	40 (1016.0)	40 (1016.0)	40 3/4 (1035.1)	47 (1193.8)	47 (1193.8)	47 (1193.8)	47 (1193.8)	47 (1193.8)	47 1/4 (1200.2)				
22	(550)	42 (1066.8)	42 (1066.8)	42 1/2 (1079.5)	44 (1117.6)	44 (1117.6)	44 (1117.6)	44 7/8 (1139.8)	51 (1295.4)	51 (1295.4)	51 (1295.4)	51 (1295.4)	51 (1295.4)	51 3/8 (1304.9)				
24	(600)	51 (1295.4)	51 (1295.4)	51 1/2 (1308.1)	53 (1346.2)	53 (1346.2)	53 (1346.2)	53 7/8 (1368.4)	55 (1397.0)	55 (1397.0)	55 (1397.0)	55 (1397.0)	55 (1397.0)	55 3/8 (1406.5)				
26	(650)	51 (1295.4)	51 (1295.4)	—	53 (1346.2)	53 (1346.2)	54 (1371.6)	54 (1371.6)	57 (1447.8)	57 (1447.8)	57 (1447.8)	57 (1447.8)	57 (1447.8)	57 1/2 (1460.5)				
28	(700)	57 (1447.8)	57 (1447.8)	—	59 (1498.6)	59 (1498.6)	59 (1498.6)	60 (1524.0)	63 (1600.2)	63 (1600.2)	63 (1600.2)	63 (1600.2)	63 (1600.2)	63 1/2 (1612.9)				
30	(750)	60 (1524.0)	60 (1524.0)	—	62 3/4 (1593.9)	62 3/4 (1593.9)	62 3/4 (1593.9)	63 3/4 (1619.3)	65 (1651.0)	65 (1651.0)	65 (1651.0)	65 (1651.0)	65 (1651.0)	65 1/2 (1663.7)				
36	(900)	77 (1955.8)	77 (1955.8)	—	82 (2082.8)	82 (2082.8)	82 (2082.8)	—	82 (2082.8)	82 (2082.8)	82 (2082.8)	82 (2082.8)	82 (2082.8)	—				

SWING CHECK VALVES

Valve Size	CLASS 900						CLASS 1500						CLASS 2500					
	Raised Face		Welding End		Ring and Groove		Raised Face		Welding End		Ring and Groove		Raised Face		Welding End		Ring and Groove	
Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)
2	14 1/2 (368.3)	14 1/2 (368.3)	14 1/2 (368.3)	14 1/2 (368.3)	14 5/8 (371.5)	14 1/2 (368.3)	14 1/2 (368.3)	14 1/2 (368.3)	14 1/2 (368.3)	14 5/8 (371.5)	17 3/4 (450.9)	17 3/4 (450.9)	17 3/4 (450.9)	17 3/4 (450.9)	17 3/4 (450.9)	17 3/4 (450.9)	17 7/8 (454.0)	17 7/8 (454.0)
2 1/2	15 (381.0)	15 (381.0)	15 (381.0)	15 (381.0)	15 1/8 (384.2)	16 1/2 (419.1)	16 1/2 (419.1)	16 1/2 (419.1)	16 1/2 (419.1)	16 5/8 (422.3)	20 (508.0)	20 (508.0)	20 (508.0)	20 (508.0)	20 (508.0)	20 (508.0)	20 1/4 (514.4)	20 1/4 (514.4)
3	16 1/2 (419.1)	16 1/2 (419.1)	16 1/2 (419.1)	16 1/2 (419.1)	16 5/8 (422.3)	18 1/2 (469.9)	18 1/2 (469.9)	18 1/2 (469.9)	18 1/2 (469.9)	18 5/8 (473.1)	22 3/4 (577.9)	22 3/4 (577.9)	22 3/4 (577.9)	22 3/4 (577.9)	22 3/4 (577.9)	22 3/4 (577.9)	23 (584.2)	23 (584.2)
4	18 (457.2)	18 (457.2)	18 (457.2)	18 (457.2)	18 1/8 (460.4)	21 1/2 (546.1)	21 1/2 (546.1)	21 1/2 (546.1)	21 1/2 (546.1)	21 5/8 (549.3)	26 1/2 (673.1)	26 1/2 (673.1)	26 1/2 (673.1)	26 1/2 (673.1)	26 1/2 (673.1)	26 1/2 (673.1)	26 7/8 (682.6)	26 7/8 (682.6)
6	24 (609.6)	24 (609.6)	24 (609.6)	24 (609.6)	24 1/8 (612.8)	27 3/4 (704.9)	27 3/4 (704.9)	27 3/4 (704.9)	27 3/4 (704.9)	28 (711.2)	36 (914.4)	36 (914.4)	36 (914.4)	36 (914.4)	36 (914.4)	36 (914.4)	36 1/2 (927.1)	36 1/2 (927.1)
8	29 (736.6)	29 (736.6)	29 (736.6)	29 (736.6)	29 1/8 (739.8)	32 3/4 (831.9)	32 3/4 (831.9)	32 3/4 (831.9)	32 3/4 (831.9)	33 1/8 (841.4)	40 1/4 (1022.4)	40 1/4 (1022.4)	40 1/4 (1022.4)	40 1/4 (1022.4)	40 1/4 (1022.4)	40 1/4 (1022.4)	40 7/8 (1038.2)	40 7/8 (1038.2)
10	33 (838.2)	33 (838.2)	33 (838.2)	33 (838.2)	33 1/8 (841.4)	39 (990.6)	39 (990.6)	39 (990.6)	39 (990.6)	39 3/8 (1000.1)	50 (1270.0)	50 (1270.0)	50 (1270.0)	50 (1270.0)	50 (1270.0)	50 (1270.0)	50 7/8 (1292.2)	50 7/8 (1292.2)
12	38 (965.2)	38 (965.2)	38 (965.2)	38 (965.2)	38 1/8 (968.4)	44 1/2 (1130.3)	44 1/2 (1130.3)	44 1/2 (1130.3)	44 1/2 (1130.3)	45 1/8 (1146.2)	56 (1422.4)	56 (1422.4)	56 (1422.4)	56 (1422.4)	56 (1422.4)	56 7/8 (1444.6)	56 7/8 (1444.6)	56 7/8 (1444.6)
14	40 1/2 (1028.7)	40 1/2 (1028.7)	40 1/2 (1028.7)	40 1/2 (1028.7)	40 7/8 (1038.2)	49 1/2 (1257.3)	49 1/2 (1257.3)	49 1/2 (1257.3)	49 1/2 (1257.3)	50 1/4 (1276.4)	---	---	---	---	---	---	---	---
16	44 1/2 (1130.3)	44 1/2 (1130.3)	44 1/2 (1130.3)	44 1/2 (1130.3)	44 7/8 (1139.8)	54 1/2 (1384.3)	54 1/2 (1384.3)	54 1/2 (1384.3)	54 1/2 (1384.3)	55 3/8 (1406.5)	---	---	---	---	---	---	---	---
18	48 (1219.2)	48 (1219.2)	48 (1219.2)	48 (1219.2)	48 1/2 (1231.9)	60 1/2 (1536.7)	60 1/2 (1536.7)	60 1/2 (1536.7)	60 1/2 (1536.7)	61 3/8 (1558.9)	---	---	---	---	---	---	---	---
20	52 (1320.8)	52 (1320.8)	52 (1320.8)	52 (1320.8)	52 1/2 (1333.5)	65 1/2 (1663.7)	65 1/2 (1663.7)	65 1/2 (1663.7)	65 1/2 (1663.7)	66 3/8 (1685.0)	---	---	---	---	---	---	---	---
24	61 (1549.4)	61 (1549.4)	61 (1549.4)	61 (1549.4)	61 3/4 (1568.5)	76 1/2 (1943.1)	76 1/2 (1943.1)	76 1/2 (1943.1)	76 1/2 (1943.1)	77 5/8 (1971.7)	---	---	---	---	---	---	---	---

WAFFER CHECK VALVES (SHORT PATTERN)

Valve Size	Class 150		Class 300		Class 600		Class 900		Class 1500	
	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)
2	(50)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)
2 1/2	(65)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)
3	(80)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	7/8 (22.2)	7/8 (22.2)
4	(100)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	7/8 (22.2)	7/8 (22.2)	7/8 (22.2)	1 1/4 (31.8)	1 1/4 (31.8)
6	(150)	3/4 (19.1)	7/8 (22.2)	7/8 (22.2)	1 1/8 (28.6)	1 1/8 (28.6)	1 3/8 (34.9)	1 3/8 (34.9)	1 3/4 (44.5)	1 3/4 (44.5)
8	(200)	1 1/8 (28.6)	1 1/8 (28.6)	1 1/8 (28.6)	1 1/2 (38.1)	1 1/2 (38.1)	1 3/4 (44.5)	1 3/4 (44.5)	2 1/4 (57.2)	2 1/4 (57.2)
10	(250)	1 1/8 (28.6)	1 1/2 (38.1)	1 1/2 (38.1)	2 1/4 (57.2)	2 1/4 (57.2)	2 1/4 (57.2)	2 1/4 (57.2)	2 7/8 (73.1)	2 7/8 (73.1)
12	(300)	1 1/2 (38.1)	2 (50.8)	2 (50.8)	2 3/8 (60.3)	2 3/8 (60.3)	---	---	---	---
14	(350)	1 3/4 (44.5)	2 (50.8)	2 (50.8)	2 5/8 (66.7)	2 5/8 (66.7)	---	---	---	---
16	(400)	2 (50.8)	2 (50.8)	2 (50.8)	2 7/8 (73.0)	2 7/8 (73.0)	---	---	---	---
18	(450)	2 3/8 (60.3)	3 (76.2)	3 (76.2)	3 1/4 (82.6)	3 1/4 (82.6)	---	---	---	---
20	(500)	2 1/2 (63.5)	3 1/4 (82.6)	3 1/4 (82.6)	3 5/8 (92.1)	3 5/8 (92.1)	---	---	---	---



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B16 ANSI Valve Face to Face Dimensions - AS