



VALVE FACE TO FACE DIMENSIONS AS PER ANSI B16

CLASS 150

BALL VALVES

SWING CHECK VALVES

GATE VALVES

GLOBE VALVES

Valve Size

Inch	mm	BALL VALVES			SWING CHECK VALVES			GATE VALVES			GLOBE VALVES		
		RAISED FACE	WELDING END	RING GROOVE	RAISED FACE	WELDING END	RING GROOVE	RAISED FACE	WELDING END	RING GROOVE	RAISED FACE	WELDING END	RING GROOVE
2	50	177.8	215.9	190.5	203.2	203.2	215.9	177.8	215.9	190.5	203	-	-
2-1/2"	65	190.5	241.3	203.2	215.9	215.9	228.6	190.5	241.3	203.2	216	-	-
3	80	203.2	282.6	215.9	241.3	241.3	254	203.2	282.6	215.9	241	-	-
4	100	228.6	304.8	241.3	292.1	292.1	304.8	228.6	304.8	241.3	292	-	-
6	150	393.7	457.2	406.4	355.6	355.6	368.3	266.7	403.2	279.4	406	-	-
8	200	457.2	520.7	469.9	495.3	495.3	508	292.1	419.1	304.8	495	-	-
10	250	533.4	558.8	546.1	622.3	622.3	635	330.2	457.2	342.9	622	-	-
12	300	609.6	635	622.3	698.5	698.5	711.2	355.6	501.7	368.3	698	-	-
14	350	685.8	762	698.5	787.4	787.4	800.1	381	571.5	393.7	787	-	-
16	400	762	838.2	774.7	863.6	863.6	876.3	406.4	609.6	419.1	914	-	-
18	450	863.6	914.4	876.3	977.9	977.9	990.6	431.8	660.4	444.5	978	-	-
20	500	914.4	990.6	927.1	977.9	977.9	990.6	457.2	711.2	469.9	-	-	-
22	550	-	-	-	1066.8	1067	1079.5	-	-	-	-	-	-
24	600	1066.8	1143	1079.5	1295.4	1295	1308.1	508	812.8	520.7	-	-	-
26	650	1143	1245	-	1295.4	1295	-	558.6	863.6	-	-	-	-
28	700	1244.6	1346	-	1447.8	1448	-	609.6	914.4	-	-	-	-
30	750	1295.4	1397	-	1524	1524	-	609.6	914.4	-	-	-	-
32	800	1371.6	1524	-	-	-	-	-	-	-	-	-	-
34	850	1437.2	1626	-	-	-	-	-	-	-	-	-	-
36	900	1524	1727	-	1955.8	1956	-	711.2	1016	-	-	-	-



VALVE FACE TO FACE DIMENSIONS AS PER ANSI B16 CLASS 300

Valve Size		BALL VALVES			SWING CHECK VALVES			GATE VALVES			GLOBE VALVES		
		RAISED FACE	WELDING END	RING GROOVE	RAISED FACE	WELDING END	RING GROOVE	RAISED FACE	WELDING END	RING GROOVE	RAISED FACE	WELDING END	RING GROOVE
Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
2	50	215.9	215.9	231.8	266.7	266.7	282.6	215.9	215.9	231.8	267	-	-
2-1/2"	65	241.3	241.3	257.2	292.1	292.1	308	241.3	241.3	257.2	292	-	-
3	80	282.6	282.6	298.5	317.5	317.5	333.4	282.6	282.6	298.5	381	-	-
4	100	304.8	304.8	320.7	355.6	355.6	371.5	304.8	304.8	320.7	356	-	-
6	150	403.2	457.2	419.1	444.5	444.5	460.4	403.2	403.2	419.1	444	-	-
8	200	501.7	520.7	517.5	533.4	533.4	549.3	419.1	419.1	435	559	-	-
10	250	568.3	558.8	584.2	622.3	622.3	638.2	457.2	457.2	473.1	622	-	-
12	300	647.7	635	663.6	711.2	711.2	727.1	501.7	501.7	517.5	711	-	-
14	350	762	762	777.9	838.2	838.2	854.1	762	762	777.9	-	-	-
16	400	838.2	838.2	854.1	863.6	863.6	879.5	838.2	838.2	854.1	-	-	-
18	450	914.4	914.4	930.3	977.9	977.9	993.8	914.4	914.4	930.3	-	-	-
20	500	990.6	990.6	1009.7	1016	1016	1035.1	990.6	990.6	1009.7	-	-	-
22	550	1092.2	1092.2	1114.4	1117.6	1117.6	1139.8	1092.2	1092.2	1114.4	-	-	-
24	600	1143	1143	1165.2	1346.2	1346.2	1368.4	1143	1143	1165.2	-	-	-
26	650	1244.6	1244.6	1270	1346.2	1346.2	1371.6	1244.6	1244.6	1270	-	-	-
28	700	1346.2	1346.2	1371.6	1498.6	1498.6	1524	1346.2	1346.2	1371.6	-	-	-
30	750	1397	1397	1422.4	1593.9	1593.9	1619.3	1397	1397	1422.4	-	-	-
32	800	1524	1524	1522.6	-	-	-	-	-	-	-	-	-
34	850	1625.6	1625.6	1654.2	-	-	-	-	-	-	-	-	-
36	900	1727.2	1727.2	1755.8	2082.8	2082.8	-	-	-	-	-	-	-



VALVE FACE TO FACE DIMENSIONS AS PER ANSI B16

CLASS 600

Valve Size		BALL VALVES			SWING CHECK VALVES			GATE VALVES			GLOBE VALVES		
		RAISED FACE	WELDING END	RING GROOVE	RAISED FACE	WELDING END	RING GROOVE	RAISED FACE	WELDING END	RING GROOVE	RAISED FACE	WELDING END	RING GROOVE
Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
2	50	292.1	292.1	295.3	292.1	292.1	295.3	292.1	292.1	295.3	292	-	-
2-1/2"	65	330.2	330.2	333.4	330.2	330.2	333.4	330.2	330.2	333.4	330	-	-
3	80	355.6	355.6	358.8	355.6	355.6	358.8	355.6	355.6	358.8	356	-	-
4	100	431.8	431.8	435	431.8	431.8	435	431.8	431.8	435	432	-	-
6	150	558.8	558.8	562	558.8	558.8	562	558.8	558.8	562	559	-	-
8	200	660.4	660.4	663.6	660.4	660.4	663.6	660.4	660.4	663.6	660	-	-
10	250	787.4	787.4	790.6	787.4	787.4	790.6	787.4	787.4	790.6	787	-	-
12	300	838.2	838.2	841.4	838.2	838.2	841.4	838.2	838.2	841.4	838	-	-
14	350	889	889	892.2	889	889	892.2	889	889	892.2	-	-	-
16	400	990.6	990.6	993.8	990.6	990.6	993.8	990.6	990.6	993.8	-	-	-
18	450	1092.2	1092.2	1095.4	1092.2	1092.2	1095.4	1092.2	1092.2	1095.4	-	-	-
20	500	1193.8	1193.8	1200.2	1193.8	1193.8	1200.2	1193.8	1193.8	1200.2	-	-	-
22	550	1295.4	1295.4	1304.9	1295.4	1295.4	1304.9	1295.4	1295.4	1304.9	-	-	-
24	600	1397	1397	1406.5	1397	1397	1406.5	1397	1397	1406.5	-	-	-
26	650	1447.8	1447.8	1460.5	1447.8	1447.8	1460.5	1447.8	1447.8	1460.5	-	-	-
28	700	1549.4	1549.4	1562.1	1600.2	1600.2	1612.9	1549.4	1549.4	1562.1	-	-	-
30	750	1651	1651	1663.7	1651	1651	1663.7	1651	1651	1663.7	-	-	-
32	800	1778	1778	1793.9	-	-	-	-	-	-	-	-	-
34	850	1930.4	1930.4	1946.3	-	-	-	-	-	-	-	-	-
36	900	2082.8	2082.8	2098.7	2082.8	2082.8	-	-	-	-	-	-	-



VALVE FACE TO FACE DIMENSIONS AS PER ANSI B16 CLASS 900

Valve Size		BALL VALVES			SWING CHECK VALVES			GATE VALVES			GLOBE VALVES		
		RAISED FACE	WELDING END	RING GROOVE	RAISED FACE	WELDING END	RING GROOVE	RAISED FACE	WELDING END	RING GROOVE	RAISED FACE	WELDING END	RING GROOVE
Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
2	50	368.3	368.3	371.5	368.3	368.3	371.5	368.3	368.3	371.5	369	-	-
2-1/2"	65	419.1	419.1	422.3	381	381	384.2	381	381	384.2	419	-	-
3	80	381	381	384.2	419.1	419.1	422.3	419.1	419.1	422.3	381	-	-
4	100	457.2	457.2	460.4	457.2	457.2	460.4	457.2	457.2	460.4	457	-	-
6	150	609.6	609.6	612.8	609.6	609.6	612.8	609.6	609.6	612.8	610	-	-
8	200	736.6	736.6	739.8	736.6	736.6	739.8	736.6	736.6	739.8	737	-	-
10	250	838.2	838.2	841.4	838.2	838.2	841.4	838.2	838.2	841.4	838	-	-
12	300	965.2	965.2	968.4	965.2	965.2	968.4	965.2	965.2	968.4	965	-	-
14	350	1028.7	1028.7	1038.2	1028.7	1028.7	1038.2	1028.7	1028.7	1038.2	-	-	-
16	400	1130.3	1130.3	1139.8	1130.3	1130.3	1139.8	1130.3	1130.3	1139.8	-	-	-
18	450	1219.2	1219.2	1231.9	1219.2	1219.2	1231.9	1219.2	1219.2	1231.9	-	-	-
20	500	1320.8	1320.8	1333.5	1320.8	1320.8	1333.5	1320.8	1320.8	1333.5	-	-	-
22	550	-	-	-	-	-	-	-	-	-	-	-	-
24	600	1549.4	1549.4	1568.5	1549.4	1549.4	1568.5	1549.4	1549.4	1568.5	-	-	-



VALVE FACE TO FACE DIMENSIONS AS PER ANSI B16

CLASS 1500

Valve Size		BALL VALVES			SWING CHECK VALVES			GATE VALVES			GLOBE VALVES		
		RAISED FACE	WELDING END	RING GROOVE	RAISED FACE	WELDING END	RING GROOVE	RAISED FACE	WELDING END	RING GROOVE	RAISED FACE	WELDING END	RING GROOVE
Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
2	50	368.3	368.3	371.5	368.3	368.3	371.5	368.3	368.3	371.5	368	-	-
2-1/2"	65	419.1	419.1	422.3	419.1	419.1	422.3	419.1	419.1	422.3	419	-	-
3	80	469.9	469.9	473.1	469.9	469.9	473.1	469.9	469.9	473.1	470	-	-
4	100	546.1	546.1	549.3	546.1	546.1	549.3	546.1	546.1	549.3	546	-	-
6	150	704.9	704.9	711.2	704.9	704.9	711.2	704.9	704.9	711.2	705	-	-
8	200	831.9	831.9	841.4	831.9	831.9	841.4	831.9	831.9	841.4	832	-	-
10	250	990.6	990.6	1000.1	990.6	990.6	1000.1	990.6	990.6	1000.1	-	-	-
12	300	1130.3	1130.3	1146.2	1130.3	1130.3	1146.2	1130.3	1130.3	1146.2	-	-	-
14	350	1257.3	1257.3	1276.4	1257.3	1257.3	1276.4	1257.3	1257.3	1276.4	-	-	-
16	400	1384.3	1384.3	1406.5	1384.3	1384.3	1406.5	1384.3	1384.3	1406.5	-	-	-
18	450	-	-	-	1536.7	1536.7	1558.9	1536.7	1536.7	1558.9	-	-	-
20	500	-	-	-	1663.7	1663.7	1685	1663.7	1663.7	1685	-	-	-
22	550	-	-	-	-	-	-	-	-	-	-	-	-
24	600	-	-	-	1943.1	1943.1	1971.7	1943.1	1943.1	1971.7	-	-	-



VALVE FACE TO FACE DIMENSIONS AS PER ANSI B16 CLASS 2500

Valve Size		BALL VALVES			SWING CHECK VALVES			GATE VALVES			GLOBE VALVES		
		RAISED FACE	WELDING END	RING GROOVE	RAISED FACE	WELDING END	RING GROOVE	RAISED FACE	WELDING END	RING GROOVE	RAISED FACE	WELDING END	RING GROOVE
Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
2	50	450.9	450.9	454	450.9	450.9	454	450.9	450.9	454	451	-	-
2-1/2"	65	508	508	539.8	508	508	514.4	508	508	514.4	508	-	-
3	80	577.9	577.9	584.2	577.9	577.9	584.2	577.9	577.9	584.2	578	-	-
4	100	673.1	673.1	682.6	673.1	673.1	682.6	673.1	673.1	682.6	673	-	-
6	150	914.4	914.4	927.1	914.4	914.4	927.1	914.4	914.4	927.1	914	-	-
8	200	1022.4	1022.4	1038.2	1022.4	1022.4	1038.2	1022.4	1022.4	1038.2	-	-	-
10	250	1270	1270	1292.2	1270	1270	1292.2	1270	1270	1292.2	-	-	-
12	300	1422.4	1422.4	1444.6	1422.4	1422.4	1444.6	1422.4	1422.4	1444.6	-	-	-