

Flange tables

Ømm	Ø"	PN 2.5				PN 6				PN 10				PN 16			
		D <sub>3</sub>	D <sub>2</sub>	N <sub>01</sub>	D <sub>01</sub>	D <sub>3</sub>	D <sub>2</sub>	N <sub>01</sub>	D <sub>01</sub>	D <sub>3</sub>	D <sub>2</sub>	N <sub>01</sub>	D <sub>01</sub>	D <sub>3</sub>	D <sub>2</sub>	N <sub>01</sub>	D <sub>01</sub>
100	4	210	170	4	18	210	170	4	18	220	180	8	18	220	180	8	18
125	5	240	200	8	18	240	200	8	18	250	210	8	18	250	210	8	18
150	6	265	225	8	18	265	225	8	18	285	240	8	22	285	240	8	22
175	7	295	255	8	18	295	255	8	18	315	270	8	22	315	270	8	22
200	8	320	280	8	18	320	280	8	18	340	295	8	22	340	295	12	22
250	10	375	335	12	18	375	335	12	18	395	350	12	22	405	355	12	26
300	12	440	395	12	22	440	395	12	22	445	400	12	22	460	410	12	26
350	14	490	445	12	22	490	445	12	22	505	460	16	22	520	470	16	26
400	16	540	495	16	22	540	495	16	22	565	515	16	26	580	525	16	30
450	18	595	550	16	22	595	550	16	22	615	565	20	26	640	585	20	30
500	20	645	600	20	22	645	600	20	22	670	620	20	26	715	650	20	33
550	22																
600	24	755	705	20	26	755	705	20	26	780	725	20	30	840	770	20	36
650	26																
700	28	860	810	24	26	860	810	24	26	895	840	24	30	910	840	24	36
750	30																
800	32	975	920	24	30	975	920	24	30	1015	950	24	33	1025	950	24	39
850	34																
900	36	1075	1020	24	30	1075	1020	24	30	1115	1050	28	33	1125	1050	28	39
950	38																
1000	40	1175	1120	28	30	1175	1120	28	30	1230	1160	28	36	1255	1170	28	42
1050	42																
1100	44					1290	1230	28	33	1345	1270	32	36	1370	1280	28	48
1150	46																
1200	48	1375	1320	32	30	1405	1340	32	33	1455	1380	32	39	1485	1390	32	48
1250	50																
1300	52					1520	1450	32	36	1565	1485	32	42	1585	1490	36	48
1350	54																
1400	56	1575	1520	36	30	1630	1560	36	36	1675	1590	36	42	1685	1590	36	48
1450	58																
1500	60					1730	1660	36	36	1795	1705	36	48	1810	1705	36	56
1600	66	1790	1730	40	30	1830	1760	40	36	1915	1820	40	48	1930	1820	40	56
1650	66																
1700	66					1940	1865	40	39	2015	1920	44	48	2030	1920	44	56
1800	72	1990	1930	44	30	2045	1970	44	39	2115	2020	44	48	2130	2020	44	56
1900	72					2155	2075	44	42	2220	2125	48	48	2240	2125	44	62
1950	78																
2000	78	2190	2130	48	30	2265	2180	48	42	2325	2230	48	48	2345	2230	48	62
2100	84					2375	2285	48	42	2440	2335	48	56				
2200	84	2405	2340	52	33	2475	2390	52	42	2550	2440	52	56	2555	2440	52	62
2250	90																
2300	90																
2400	96	2605	2540	56	33	2685	2600	56	42	2760	2650	56	56	2765	2650	56	62
2500	96					2795	2705	56	48	2860	2750	56	56	2865	2750	60	62
2550	102																
2600	102	2805	2740	60	33	2905	2810	60	48	2960	2850	60	56	2965	2850	60	62
2700	108																
2800	108	3030	2960	64	36	3115	3020	64	48	3180	3070	64	56				
2850	114																
2900	114																
3000	120	3230	3160	68	36	3315	3220	68	48	3405	3290	68	62				
3100	120																
3150	126																
3200	126	3430	3360	72	36	3525	3430	72	48								
3300	132																
3400	132	3630	3560	76	36	3735	3640	76	48								
3450	138																
3600	144	3840	3770	80	36	3970	3860	80	56								
3800	144	4045	3970	80	39												
4000	144	4245	4170	84	39												

- D<sub>3</sub> Flange external dimension [mm]
- D<sub>2</sub> Hole circle [mm]
- N<sub>01</sub> Hole quantity
- D<sub>01</sub> Hole diameter [mm]

## Flange tables

Ø mm	Ø "	PN 25				AWWA C207 Class D				ASME B 16.47 Series A 150 lbs				ASME B 16.47 Series B 150 lbs			
		D <sub>3</sub>	D <sub>2</sub>	N <sub>01</sub>	D <sub>01</sub>	D <sub>3</sub>	D <sub>2</sub>	N <sub>01</sub>	D <sub>01</sub>	D <sub>3</sub>	D <sub>2</sub>	N <sub>01</sub>	D <sub>01</sub>	D <sub>3</sub>	D <sub>2</sub>	N <sub>01</sub>	D <sub>01</sub>
100	4	235	190	8	22	228.6	190.5	8	19.0								
125	5	270	220	8	26	235.0	215.9	8	22.2								
150	6	300	250	8	26	279.4	241.3	8	22.2								
175	7	330	280	12	26												
200	8	360	310	12	26	342.9	298.4	8	22.2								
250	10	425	370	12	30	406.4	361.9	12	25.4								
300	12	485	430	16	30	482.6	431.8	12	25.4	482.6	431.8	12	25.4				
350	14	555	490	16	33	533.4	476.2	12	28.6	533.4	476.3	12	28.6				
400	16	620	550	16	36	596.9	539.7	16	28.6	596.9	539.8	16	28.6				
450	18					635.0	577.8	16	31.8	635.0	577.9	16	31.8				
500	20	730	660	20	33	698.5	635.0	20	31.8	698.5	635.0	20	31.8				
550	22					749.3	692.2	20	34.9	749.3	692.2	20	34.9				
600	24	845	770	20	39	812.8	749.3	20	34.9	812.8	749.3	20	34.9				
650	26					870.0	806.4	24	34.9	870.0	806.4	24	34.9	785.9	744.5	36	22.4
700	28	960	875	24	42	927.1	863.6	28	34.9	927.1	863.6	28	34.9	836.7	795.3	40	22.4
750	30					984.3	914.4	28	34.9	984.3	914.4	28	34.9	887.5	846.1	44	22.4
800	32	1085	990	24	48	1060.5	977.9	28	41.3	1060.5	977.9	28	41.3	941.3	900.2	48	22.4
850	34					1111.3	1028.7	32	41.3	1111.3	1028.7	32	41.3	1004.8	957.3	40	25.4
900	36	1185	1090	28	48	1168.4	1085.8	32	41.3	1168.4	1085.9	32	41.3	1057.1	1009.7	44	25.4
950	38					1238.3	1149.4	32	41.3	1238.3	1149.4	32	41.3	1124.0	1069.8	40	28.4
1000	40	1320	1210	28	56	1289.1	1200.2	36	41.3	1289.1	1200.2	36	41.3	1174.8	1120.6	44	28.4
1050	42					1346.2	1257.3	36	41.3	1346.2	1257.3	36	41.3	1225.6	1171.4	48	28.4
1100	44					1403.4	1314.5	40	41.3	1403.4	1314.5	40	41.3	1276.4	1222.2	52	28.4
1150	46					1454.2	1365.3	40	41.3	1454.2	1365.3	40	41.3	1341.4	1284.2	40	31.8
1200	48					1511.3	1422.4	44	41.3	1511.3	1422.4	44	41.3	1392.2	1335.0	44	31.8
1250	50					1568.5	1479.6	44	47.6	1568.5	1479.6	44	47.6	1435.4	1385.8	48	31.8
1300	52					1625.6	1536.7	44	47.6	1625.6	1536.7	44	47.6	1493.8	1436.6	52	31.8
1350	54					1682.7	1593.8	44	47.6	1682.7	1593.8	44	47.6	1549.4	1492.3	56	31.8
1400	56					1746.3	1651.0	48	47.6	1746.3	1651.0	48	47.6	1600.2	1543.1	60	31.8
1450	58					1803.4	1708.2	48	47.6	1803.4	1708.2	48	47.6	1674.9	1611.4	48	35.1
1500	60					1854.2	1758.9	52	47.6	1854.2	1759.0	52	47.6	1725.7	1662.2	52	35.1
1600																	
1650	66					2032.0	1930.4	52	47.6								
1700																	
1800	72					2197.1	2095.5	60	47.6								
1900																	
1950	78					2362.2	2260.6	64	54.0								
2000																	
2100	84					2533.7	2425.7	64	54.0								
2200																	
2250	90					2705.1	2590.8	68	61.9								
2300																	
2400	96					2876.5	2755.9	68	61.9								
2500																	
2550	102					3048.0	2908.3	72	68.3								
2600																	
2700	108					3219.5	3067.1	72	68.3								
2800																	
2850	114					3390.9	3219.5	76	74.6								
2900																	
3000	120					3562.4	3371.9	76	74.6								
3100																	
3150	126					3734	3537	80	81								
3200																	
3300	132					3905	3702	80	81								
3400																	
3450	138					4077	3861	84	87								
3600	144					4248	4020	84	87								
3800																	
4000																	

D<sub>3</sub> Flange external dimension [mm]  
D<sub>2</sub> Hole circle [mm]  
N<sub>01</sub> Hole quantity  
D<sub>01</sub> Hole diameter [mm]

Flange tables

Ø mm	Ø "	ASME B 16.5 - 150 lbs				API Standard 605 - 150 lbs				MSS SP-44				BS Table E			
		D <sub>3</sub>	D <sub>2</sub>	N <sub>01</sub>	D <sub>01</sub>	D <sub>3</sub>	D <sub>2</sub>	N <sub>01</sub>	D <sub>01</sub>	D <sub>3</sub>	D <sub>2</sub>	N <sub>01</sub>	D <sub>01</sub>	D <sub>3</sub>	D <sub>2</sub>	N <sub>01</sub>	D <sub>01</sub>
100	4	228.6	190.5	8	19.0									215.9	177.8	8	19.0
125	5	235.0	215.9	8	22.2									254.0	209.5	8	19.0
150	6	279.4	241.3	8	22.2									279.4	234.9	8	22.2
175	7	311.2	269.9	8	22.2									304.8	260.3	8	22.2
200	8	342.9	298.4	8	22.2									336.5	292.1	8	22.2
250	10	406.4	361.9	12	25.4									406.4	355.6	12	22.2
300	12	482.6	431.8	12	25.4									457.2	406.4	12	25.4
350	14	533.4	476.2	12	28.6									527.0	469.9	12	25.4
400	16	596.9	539.7	16	28.6									577.8	520.7	12	25.4
450	18	635.0	577.8	16	31.8									641.3	584.2	16	25.4
500	20	698.5	635.0	20	31.8									704.8	641.3	16	25.4
550	22	749.3	692.2	20	34.9												
600	24	812.8	749.3	20	34.9									825.5	755.7	16	25.4
650	26					785.8	744.5	36	22.2	870.0	806.4	24	34.9	870.0	806.4	24	34.9
700	28					836.6	795.3	40	22.2	927.1	863.6	28	34.9	927.1	863.6	28	34.9
750	30					887.4	846.1	44	22.2	984.3	914.4	28	34.9	984.3	914.4	28	34.9
800	32					941.4	900.1	48	22.2	1060.5	977.9	28	41.3	1060.5	977.9	28	41.3
850	34					1004.9	957.3	40	25.4	1111.3	1028.7	32	41.3	1111.3	1028.7	32	41.3
900	36					1057.3	1009.6	44	25.4	1168.4	1085.8	32	41.3	1168.4	1085.8	32	41.3
950	38									1238.3	1149.4	32	41.3	1238.3	1149.4	32	41.3
1000	40									1289.1	1200.2	36	41.3	1289.1	1200.2	36	41.3
1050	42					1225.5	1171.6	48	28.6	1346.2	1257.3	36	41.3	1346.2	1257.3	36	41.3
1100	44									1403.4	1314.5	40	41.3	1403.4	1314.5	40	41.3
1150	46									1454.2	1365.3	40	41.3	1454.2	1365.3	40	41.3
1200	48					1392.2	1335.1	44	31.7	1511.3	1422.4	44	41.3	1511.3	1422.4	44	41.3
1250	50									1568.5	1479.6	44	47.6				
1300	52									1625.6	1536.7	44	47.6				
1350	54					1549.4	1492.3	56	31.7	1682.7	1593.8	44	47.6				
1400	56									1746.3	1651.0	48	47.6				
1450	58									1803.4	1708.2	48	47.6				
1500	60					1725.6	1662.1	52	34.9	1854.2	1758.9	52	47.6				
1600																	
1650	66																
1700																	
1800	72																
1900																	
1950	78																
2000																	
2100	84																
2200																	
2250	90																
2300																	
2400	96																
2500																	
2550	102																
2600																	
2700	108																
2800																	
2850	114																
2900																	
3000	120																
3100																	
3150	126																
3200																	
3300	132																
3400																	
3450	138																
3600	144																
3800																	
4000																	

- D<sub>3</sub> Flange external dimension [mm]
- D<sub>2</sub> Hole circle [mm]
- N<sub>01</sub> Hole quantity
- D<sub>01</sub> Hole diameter [mm]

## Flange tables

Ø mm	Ø "	JIS B2220 5K				JIS B2220 10K				JIS B2220 16K			
		D <sub>3</sub>	D <sub>2</sub>	N <sub>01</sub>	D <sub>01</sub>	D <sub>3</sub>	D <sub>2</sub>	N <sub>01</sub>	D <sub>01</sub>	D <sub>3</sub>	D <sub>2</sub>	N <sub>01</sub>	D <sub>01</sub>
100	4	200.0	165.0	8	19.0	210.0	175.0	8	19.0	225.0	185.0	8	23.0
125	5	235.0	200.0	8	19.0	250.0	210.0	8	23.0	270.0	225.0	8	25.0
150	6	265.0	230.0	8	19.0	280.0	240.0	8	23.0	305.0	260.0	12	25.0
175	7	300.0	260.0	8	23.0	305.0	265.0	12	23.0				
200	8	320.0	280.0	8	23.0	330.0	290.0	12	23.0	350.0	305.0	12	25.0
250	10	385.0	345.0	12	23.0	400.0	355.0	12	25.0	430.0	380.0	12	27.0
300	12	430.0	390.0	12	23.0	445.0	400.0	16	25.0	480.0	430.0	16	27.0
350	14	480.0	435.0	12	25.0	490.0	445.0	16	25.0	540.0	480.0	16	33.0
400	16	540.0	495.0	16	25.0	560.0	510.0	16	27.0	605.0	540.0	16	33.0
450	18	605.0	555.0	16	25.0	620.0	565.0	20	27.0	675.0	605.0	20	33.0
500	20	655.0	605.0	20	25.0	675.0	620.0	20	27.0	730.0	660.0	20	33.0
550	22	720.0	665.0	20	27.0	745.0	680.0	20	33.0	795.0	720.0	20	39.0
600	24	770.0	715.0	20	27.0	795.0	730.0	24	33.0	845.0	770.0	24	39.0
650	26	825.0	770.0	24	27.0	845.0	780.0	24	33.0	895.0	820.0	24	39.0
700	28	875.0	820.0	24	27.0	905.0	840.0	24	33.0	960.0	875.0	24	42.0
750	30	945.0	880.0	24	33.0	970.0	900.0	24	33.0	1020.0	935.0	24	42.0
800	32	995.0	930.0	24	33.0	1020.0	950.0	28	33.0	1085.0	990.0	24	48.0
850	34	1045.0	980.0	24	33.0	1070.0	1000.0	28	33.0	1135.0	1040.0	24	48.0
900	36	1095.0	1030.0	24	33.0	1120.0	1050.0	28	33.0	1185.0	1090.0	28	48.0
950	38												
1000	40	1195.0	1130.0	28	33.0	1235.0	1160.0	28	39.0	1320.0	1210.0	28	56.0
1050	42												
1100	44	1305.0	1240.0	28	33.0	1345.0	1270.0	28	39.0	1420.0	1310.0	32	56.0
1150	46												
1200	48	1420.0	1350.0	32	33.0	1465.0	1380.0	32	39.0	1530.0	1420.0	32	56.0
1250	50												
1300	52									1645.0	1530.0	32	62.0
1350	54	1575.0	1505.0	32	33.0	1630.0	1540.0	36	45.0	1700.0	1590.0	32	62.0
1400	56									1755.0	1640.0	36	62.0
1450	58												
1500	60	1730.0	1660.0	36	33.0	1795.0	1700.0	40	45.0	1865.0	1750.0	36	62.0
1600													
1650	66												
1700													
1800	72												
1900													
1950	78												
2000													
2100	84												
2200													
2250	90												
2300													
2400	96												
2500													
2550	102												
2600													
2700	108												
2800													
2850	114												
2900													
3000	120												
3100													
3150	126												
3200													
3300	132												
3400													
3450	138												
3600	144												
3800													
4000													

D<sub>3</sub> Flange external dimension [mm]  
D<sub>2</sub> Hole circle [mm]  
N<sub>01</sub> Hole quantity  
D<sub>01</sub> Hole diameter [mm]