



TABLES D and E

Temperature: Pressure rating for Carbon Steel Flanges

°C	- 17.8 To 232.2	260.0	287.8	315.6	343.3	371.1	399.0	427.0	441.0	454.0	468.0	482.0	Max Hyd. Test Press
kPA	689.7	655.2	586.2	551.7	482.8	448.3	379.3	344.85	-	-	-	-	1034.6
'D'	1379.4	1275.95	1172.5	1069.0	965.6	896.6	793.2	689.7	-	-	-	-	2069.5
'E'													
Pipe	Diam. of Flange (D)		Bolt Circle Diameter (W)		Diam. of Bolts (lø)		Number of Bolt Holes		Thickness of flanges (tf)		Approx. Weight in Kilos		
Nom. Size	O.D. in mm	D	E	D	E	D	E	D	E	D	E	D	E
1/2	21.3	95.2	95.2	66.7	66.7	12	12	4	4	4.76	6.35	0.2	0.4
3/4	26.9	101.6	101.6	73.0	73.0	12	12	4	4	4.76	6.35	0.2	0.5
1	33.7	114.3	114.3	82.6	82.6	12	12	4	4	4.76	7.14	0.5	0.6
1 1/4	42.2	120.6	120.6	87.3	87.3	12	12	4	4	6.35	7.94	0.6	0.8
1 1/2	48.3	133.4	133.4	98.4	98.4	12	12	4	4	6.35	8.73	0.7	0.9
2	60.3	152.4	152.4	114.3	114.3	16	16	4	4	7.94	9.53	1.0	1.4
2 1/2	76.1	165.1	165.1	127.0	127.0	16	16	4	4	7.94	10.32	1.1	1.6
3	88.9	184.2	184.2	146.0	146.0	16	16	4	4	9.53	11.1	1.6	1.8
3 1/2	101.6	203.2	203.2	165.1	165.1	16	16	4	8	9.53	11.91	1.8	2.0
4	114.3	215.9	215.9	177.8	177.8	16	16	4	8	9.53	12.7	2.0	2.5
5	139.7	254.0	254.0	209.6	209.6	16	16	8	8	12.7	14.3	3.5	4.0
6	165.1	279.4	279.4	235.0	235.0	16	20	8	8	12.7	17.5	4.0	5.5
8	219.1	336.6	336.6	292.1	292.1	16	20	8	8	12.7	19.0	5.0	8.0
10	273.0	406.4	406.4	355.6	355.6	20	20	8	12	15.9	22.2	9.0	12.0
12	323.8	457.2	457.2	406.4	406.4	20	22	12	12	14.0	25.4	11.0	16.0
14	355.6	527.0	527.0	469.9	469.9	22	22	12	12	22.2	28.6	15.0	21.0
16	406.4	577.85	577.85	520.7	520.7	22	22	12	12	22.2	31.75	17.0	23.0
18	457.2	641.3	641.3	584.2	584.2	22	22	12	16	25.4	34.9	25.0	39.0
20	508.0	704.8	704.8	641.3	641.3	22	22	16	16	28.6	38.1	33.0	42.0
24	609.6	825.5	825.5	755.6	755.6	24	30	16	16	31.75	47.6	45.0	66.0

TABLES F and H

Temperature: Pressure rating for Carbon Steel Flanges

°C	- 17.8 To 232.2	260.0	287.8	315.6	343.3	371.1	399.0	427.0	441.0	454.0	468.0	482.0	Max Hyd. Test Press
kPA	2069.1	1931.16	1758.74	1620.80	1482.86	1344.92	1172.49	1034.55	-	-	-	-	3103.65
'F'	3448.5	3207.1	2965.7	2724.3	2448.4	2207.0	1965.6	1724.2	1482.9	1241.5	1034.55	793.16	5172.75
'H'													
Pipe	Diam. of Flange (D)		Bolt Circle Diameter (W)		Diam. of Bolts (lø)		Raised Face ø	Number of Bolt Holes		Thickness of flanges (tf)		Approx. Weight in Kilos	
Nom. Size	F	H	F	H	F	H	H	F	H	F	H	F	H
1/2	95.2	114.3	66.7	82.6	12	16	57.15	4	4	9.53	12.7	0.5	0.7
3/4	101.6	114.3	73.0	82.6	12	16	57.15	4	4	9.53	12.7	0.6	0.9
1	120.6	120.6	87.3	87.3	16	16	63.5	4	4	9.53	14.3	0.8	1.1
1 1/4	133.4	133.4	98.4	98.4	16	16	76.2	4	4	12.7	17.5	1.0	1.5
1 1/2	139.7	139.7	104.8	104.8	16	16	82.6	4	4	12.7	17.5	1.4	1.8
2	165.1	165.1	127.0	127.0	16	16	101.6	4	4	15.9	19.0	2.3	2.5
2 1/2	184.2	184.2	146.0	146.0	16	16	114.3	8	8	15.9	19.0	2.7	3.5
3	203.2	203.2	165.1	165.1	16	16	127.0	8	8	15.9	22.2	3.2	4.5
3 1/2	215.9	215.9	177.8	177.8	16	16	139.7	8	8	19.0	22.2	4.0	5.5
4	228.6	228.6	190.5	190.5	16	16	152.4	8	8	19.0	25.4	4.5	6.0
5	279.4	279.4	235.0	235.0	20	20	177.8	8	8	22.2	28.6	8.0	10.0
6	304.8	304.8	260.4	260.4	20	20	209.6	12	12	22.2	28.6	8.5	11.0
8	368.3	368.3	323.8	323.8	20	20	260.4	12	12	25.4	31.8	13.5	17.0
10	431.8	431.8	381.0	381.0	22	22	311.2	12	12	28.6	34.9	18.0	24.5
12	489.0	489.0	438.2	438.2	22	22	362.0	16	16	31.8	41.3	24.0	31.0
14	552.5	552.5	495.3	495.3	24	24	419.1	16	16	34.9	47.6	31.0	
16	609.6	609.6	552.5	552.5	24	24	482.6	20	20	41.3	54.0	35.0	
18	673.1	673.1	609.6	609.6	30	30	533.4	20	20	44.5	60.3	41.0	
20	736.6	736.6	673.1	673.1	30	30	596.9	24	24	50.8	66.7		
24	850.9	850.9	781.0	781.0	30	30	698.5	24	24	57.15	76.2		

To convert psi to kPa x 6.803