

Pressure Temperature Ratings

ASME B-16.34 Maximum Allowable Non- Shock Pressure, psig/ kg/cm2 g.

Service Temperature		Class 150					Class 300					Class 600				
F	C	WCB (a)	WC1 (b) (c)	WC6 (c)	WC9 (c)	CS (c)	WCB (a)	WC1 (b) (c)	WC6 (c)	WC9 (c)	CS (c)	WCB (a)	WC1 (b) (c)	WC6 (c)	WC9 (c)	CS (c)
-20 to 100 200 300	-29 to 38 93 149	285 2½ 230	2½ 2½ 230	290 2½ 230	290 2½ 230	290 2½ 230	740 ½7 ½5	½9 ½8 ½5	750 750 720	750 750 730	750 745 715	1480 1350 1315	1390 13½ 1305	1500 1500 1445	1500 1500 1455	1500 1490 1430
400 500 ½0	204 2½ 31½	200 170 140	200 170 140	200 170 140	200 170 140	½3 ½0 550	½4 ½2 ½0	½9 ½½ ½0	705 ½½ ½0	705 ½½ ½0	705 ½½ ½0	1270 1200 1095	1280 1245 1210	1385 1330 1210	1410 1330 1210	1410 1330 1210
½5 700 750	343 371 399	125 110 95	125 110 95	125 110 95	125 110 95	125 110 95	535 535 505	590 570 530	590 570 530	590 570 530	590 570 530	1075 10½ 1010	1175 1135 10½	1175 1135 10½	1175 1135 10½	1175 1135 1055
800 850 900	427 454 482	80 ½ 50	80 ½ 50	80 ½ 50	80 ½ 50	80 ½ 50	410 270 170	510 485 450	510 485 450	510 485 450	510 485 370	825 535 345	1015 975 900	1015 975 900	1015 975 900	1015 9½ 740
950 1000 1050	510 538 5½	35 20	35 20	35 20 20*	35 20 20*	35 20 20*	105 50	280 1½	320 215 145	375 2½ 175	275 200 145	205 105	5½ 330	½4 430 290	755 520 350	550 400 290
1100 1150 1200	593 ½2 ½4			20*	20*	20* 20* 15			95	110	100 ½ 35			190	220	200 125 70
Hydrostatic Shell Test pressure		450 31.5	425 29	450 31.5			1125 79	1075 75	1150 805			2250 157.5	2100 147	2275 154		
Valve Closure Test Pressure	Fluid	315 22.00	300 21.00	320 22.5			825 58	770 54	830 58			½3 114	1535 107	½½ 11½		
	Air	100 / 7					100 / 7					100/7				



TOP INDUSTRIAL VALVE SUPPLIER FROM CHINA

Service Temperature		Class 900					Class 1500					Class 2500				
F	C	WCB (a)	WC1 (b) (c)	WC6 (c)	WC9 (c)	CS (c)	WCB (a)	WC1 (b) (c)	WC6 (c)	WC9 (c)	CS (c)	WCB (a)	WC1 (b) (c)	WC6 (c)	WC9 (c)	CS (c)
-20 to 100 200 300	-29 to 38 93 149	2220 2025 1970	2085 2035 1955	2250 2250 21\5	2250 2250 2185	2250 2235 2150	3705 3375 3280	3470 3395 32\5	3750 3750 3\5 0	3750 3750 3\4	3750 3725 3580	5\1 0 5\5 5 5470	5785 5\5 0 5435	1500 1500 1445	1500 1500 1455	1500 1490 1430
400 500 5\0	204 2\5 31\	1900 1795 1\4	1920 18\5 1815	2080 1995 1815	2115 1995 1815	2115 1995 1815	3170 2995 2735	3200 3105 3025	34\5 3425 3025	3530 3325 3025	3530 3325 3025	5280 4990 45\0	5330 5180 5040	1385 1330 1210	1410 1330 1210	1410 1330 1210
5\5 700 750	343 371 399	1\51 1\0 1510	17\5 1705 1595	17\5 1705 1595	17\5 1705 1595	17\5 1705 1585	2\5 5 2\5 5 2520	2940 2840 2\5\	2940 2840 2\5 0	2940 2840 2\5\	2940 2840 2\5\4	4475 4440 4200	4905 4730 4430	1175 1135 10\5	1175 1135 10\5	1175 1135 1055
800 850 900	427 454 482	1235 805 515	1525 14\0 1350	1525 14\0 1350	1525 14\5 1350	1525 1450 1110	20\0 1340 8\5	2540 2435 2245	2540 2435 2245	2540 2435 2245	2540 2415 1850	3430 2230 1430	4230 40\0 3745	1015 975 900	1015 975 900	1015 9\5 740
950 1000 1050	510 538 5\5	310 155	845 495	955 5\5 430	1130 780 525	825 595 430	515 2\5	1405 825	1595 1080 720	1885 1305 875	1370 995 720	8\5 430	2345 1370	5\4 430 290	755 520 350	550 400 290
1100 1150 1200	593 5\2 5\4			290	330 205 125	300 185 105			480	550	495 310 170			190	220	200 125 70
Hydrostatic Shell Test pressure		3350 235	3150 220.5	3375 23\5			5575 390	5525 387	5\5 0 390			9275 5\5	8700 5\0	9375 5\5		
Valve Closure Test Pressure	Fluid	2445 171	2295 1\5 .5	2475 173			4080 28\	3817 2\5	4130 280			5\7 0 475	5\3 5 445	5\8 5 481		
	Air	100 / 7					100 / 7					100/7				

- (a) – Permissible, but not recommended for prolonged usage above 800 F. Upon prolonged exposure to temperature above 800 F, the carbide phase of carbon steel may be converted to graphite.
- (b) – Permissible, but not recommended for prolonged usage above 850 F.
- (c) – Use normalized and temperes material only

For welding end Valves only. Flanged end ratings terminate at 1,000 F



TOP INDUSTRIAL VALVE SUPPLIER FROM CHINA

Pressure Temperature Ratings

ASME B-16.34 Maximum Allowable Non- Shock Pressure, psig/ kg/cm2 g.

Service Temperature		Class 150				Class 300				Class 600			
F	C	CF8		CF8M		CF8		CF8M		CF8		CF8M	
-20 to 100 200 300	-29 to 38 93 149	psig 275 230 205	Kgf/cm2 19.2 1\1 14.3	Psig 275 235 215	Kgf / cm2 19.2 1\145 15.05	psig 720 \10 540	Kgf/cm2 50.4 42 37.8	psig 720 \12 5\1	Kgf / cm2 50.4 43.4 39.2	psig 1400 1200 1080	Kgf/cm2 100.8 84 75.\	Psig 1440 1240 1120	Kg/ cm2 100.8 8\1 78.4
400 500 \10	204 2\1 31\	190 170 140	13.3 11.9 9.8	195 170 140	13.\1 11.9 9.8	495 4\1 435	34.7 32.55 30.45	515 480 450	3\105 33.\	995 930 875	\19. 5 \15. \11. 5	1025 955 900	71.75 \11 85 \1
\15 700 750	343 371 399	125 110 95	8.75 7.7 \1. 5	125 110 95	8.75 7.7 \1. 5	430 425 415	30.1 29.75 29.05	445 430 425	31.15 30.1 29.75	8\1 850 830	\10. 59.5 58.1	890 870 855	\12. \10. 59.85
800 850 900	427 454 482	80 \1 50	5.\	80 \1 50	5.\	405 395 390	28.35 27.\1 27.3	420 420 415	29.4 29.4 29.05	805 790 780	5\1. 5 55.3 54.\	845 835 830	59.15 58.45 58.1
950 1000 1050	510 538 5\1	35 20 20*	2.45 1.4 1.4	35 20 20*	2.45 1.4 1.4	380 320 310	2\1 22.4 21.7	385 350 345	2\195 24.5 24.15	7\1 \14 \11	53.55 44.8 43.05	775 700 \18	54.25 49 47.95
1100 1150 1200	593 \12 \14	20* 20* 20*	1.4 1.4 1.4	20* 20* 20*	1.4 1.4 1.4	255 200 155	17.85 14 10.85	305 235 185	21.35 1\145 12.95	515 400 310	3\1. 5 28 21.7	\11 475 370	42.7 33.25 25.9
1250 1300 1350	\17 704 732	20* 20* 20*	1.4 1.4 1.4	20* 20* 20*	1.4 1.4 1.4	115 85 \1	8.05 \1. 4.2	145 115 95	10.15 8.05 \1.\	225 170 125	15.75 11.9 8.75	295 235 190	20.\1 1\145 13.3
1400 1450 1500	7\1 788 81\	20* 15* 10*	1.4 1.4 0.7	20* 15* 10*	1.4 1.4 1.4	50 35 25	3.5 2.5 1.75	75 \1 40	5.25 4.2 2.8	95 70 55	\1.\	150 115 85	10.5 8.05 5.95
Hydrostatic Shell Test pressure		425 / 30				1100 / 78				2175 /153			
Valve Closure Test Pressure	Hydro Static	305 / 22				795 / 5\				1585 / 115			
	Air	100 / 7				100 / 7				100 / 7			



TOP INDUSTRIAL VALVE SUPPLIER FROM CHINA

Service Temperature		Class 900				Class 1500			
F	C	CF8		CF8M		CF8		CF8M	
20 to 100 200 300	29 to 38 93 149	psig 21\0 1800 1\1f 0	Kgf / cm2 151.2 130.2 117.\	psig 21\0 18\0 1\1f 0	Kgf / cm2 151.2 130.2 117.\	Psig 3\1f 0 3000 2700	Kgf/ cm2 252 210 189	Psig 3\1f 0 3095 2795	Kgf / cm2 252 21\.\5 195.\5
400 500 1\1f 0	204 2\0 31\	1490 1395 1310	104.3 97.5 91.7	1540 1435 1355	107.8 100.4 94.85	2485 2330 2185	174.0 1\1f .1 152.95	2570 2390 2255	179.9 1\17.3 157.85
1\1f 0 700 750	343 371 399	1290 1275 1245	90.3 89.25 87.2	1330 1305 1280	93.1 91.4 89.\	2150 2125 2075	150.5 148.75 145.25	2220 2170 2135	155.4 151.9 149.45
800 850 900	427 454 482	1210 1190 11\5	84.7 83.3 81.55	12\5 1255 1245	88.55 87.85 87.2	2015 1980 1945	141.05 138.\ 13\1f15	2110 2090 2075	147.7 14\1f3 145.25
950 1000 1050	510 538 5\	1145 9\5 925	80.15 1\7.55 1\4.8	11\0 1050 1030	81.2 73.5 72.1	1910 1\1f 5 1545	133.7 112.35 108.15	1930 1750 1720	135.1 122.5 120.4
1100 1150 1200	593 1\1f 1 1\1f 9	770 595 4\5	53.9 41.\1f 32.55	915 710 555	1\4.05 49.7 38.85	1285 995 770	89.95 1\9.\1f 53.9	1525 1185 925	10\.\75 82.95 1\1f .75
1250 1300 1350	1\1f 7 704 732	340 255 185	23.8 17.85 13	440 350 290	30.8 24.5 20.3	5\5 430 310	39.55 30.1 21.7	735 585 780	51.5 40.95 33.\
1400 1450 1500	7\0 788 81\	145 105 80	10.15 7.35 5.\	225 175 125	15.75 12.25 8.75	240 170 135	1\1f8 11.9 9.45		2\.\ 20.3 14.35
Hydrostatic Shell Test Pressure		3250 / 230				5400 /380			
Valve Closure Test Pressure	Hydrostatic	2380 / 170				39\1f0/ 280			
	Air	100 /7				100 /7			