

PRESSURE - TEMPERATURE RATINGS

PRESSURE - TEMPERATURE RATINGS TO ANSI B 16.34							ANSI 150 LBS.				
Temperature	Working pressure bars										
°C	WCB(a)	LCB(B)	WC 1(c)	WC6(d)	WC9(d)	C 5	C 12	CF 8	CF 8M	CF 3(e)	CF 3M(f)
-29 to 38	19.6	18.4	18.4	20	20	20	20	19	19	19	19
50	19.2	18.1	18.3	19.2	19.2	19.2	19.2	18.4	18.4	18.4	18.4
100	17.7	17.3	17.7	17.7	17.7	17.7	17.7	15.7	16.2	15.7	16.2
150	15.8	15.8	15.8	15.8	15.8	15.8	15.8	13.9	14.8	13.9	14.8
200	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.6	13.7	12.6	13.7
250	12.1	12.1	12.1	12.1	12.1	12.1	12.1	11.7	12.1	11.7	12.1
300	10.2	10.2	10.2	10.2	10.2	10.2	10.1	10.2	10.2	10.2	10.2
350	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
400	6.5		6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
425	5.6		5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
450	4.7		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
500	5.8		5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
525	1.9		1.9	1.9	1.9	1.9	1.9	1.9	1.9		
550				1.3(g)	1.3(g)	1.3(g)	1.3(g)	1.3(g)	1.3(g)		
600				1.3(g)	1.3(g)	1.3(g)	1.3(g)	1.3(g)	1.3(g)		
650						1.3(g)	1.3(g)	1.3(g)	1.3(g)		
700								1.3(g)	1.3(g)		
750								1.3(g)	1.3(g)		
800								1.0(g)	1.0(g)		

- (a) Permissible, but not recommended for prolonged usage above 425°C (800 °F)
- (b) Not to be used over 343°C (650°F)
- (c) Permissible, but not recommended for prolonged usage above 455°C (850°F)
- (d) Not to be used over 593°C (1100°F)

- (e) Not to be used over 425°C (800°F)
- (f) not to be used over 455°C (850°F)
- (g) For welding end valves only

PRESSURE - TEMPERATURE RATINGS TO ANSI B 16.34							ANSI 300 LBS.				
Temperature	Working pressure bars										
°C	WCB(a)	LCB(B)	WC 1(c)	WC6(d)	WC9(d)	C 5	C 12	CF 8	CF 8M	CF 3(e)	CF 3M(f)
-29 to 38	51.1	47.9	47.9	51.7	51.7	51.7	51.7	49.6	49.6	49.6	49.6
50	50.1	47.3	47.6	51.1	51.2	51.7	51.7	47.8	48.1	47.8	48.1
100	46.4	45.1	46.6	48.8	49.0	51.5	51.5	40.9	42.2	40.9	42.2
150	45.2	44.0	45.0	46.4	46.6	50.2	50.2	36.3	38.5	36.3	38.5
200	43.8	42.7	44.2	45.5	44.8	48.8	48.8	32.8	35.7	32.8	35.7
250	41.7	40.6	43.1	44.5	44.2	46.3	46.3	30.5	33.4	30.5	33.4
300	38.7	37.7	42.0	42.4	42.4	42.4	42.4	29.1	31.6	29.1	31.6
350	37.6	36.0	40.2	40.2	40.2	40.2	40.2	28.1	30.4	28.1	30.4
400	34.5		36.6	36.6	36.6	36.6	36.6	27.7	29.1	27.5	29.1
425	28.8		35.1	35.1	35.1	35.1	35.1	27.2	28.7	27.2	28.7
450	20.0		33.8	33.8	33.8	30.9	33.8	26.9	28.1	26.9	28.1
500	8.8		24.1	27.8	27.8	20.3	27.5	26.1	26.8		
525	5.5		15.0	23.0	21.9	15.4	22.6	23.9	26.3		
550				12.8	16.4	11.7	17.0	21.8	25.0		
600				5.9	7.6	6.5	7.2	16.7	21.4		
650						3.0	3.5	10.5	14.1		
700								6.0	9.9		
750								3.7	5.9		
800								2.1	3.5		

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- (d) Not to be used over 593°C (1100°F)
- (e) Not to be used over 425°C (800°F)
- (f) not to be used over 455°C (850°F)