

PRESSURE - TEMPERATURE RATINGS

PRESSURE - TEMPERATURE RATINGS TO ANSI B 16.34											ANSI 600 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	102.1	95.7	95.8	103.4	103.4	103.4	103.4	99.2	99.3	99.2	99.3
50	100.2	94.6	95.3	102.3	102.4	103.4	103.4	95.7	96.3	95.7	96.3
100	92.8	90.2	93.2	97.5	98.1	103.1	103.1	81.8	84.4	81.8	84.4
150	90.5	87.9	89.8	92.7	93.3	100.4	100.4	72.7	77.0	72.7	77.0
200	87.6	85.4	88.4	91.0	89.7	97.6	97.6	65.5	71.3	65.5	71.3
250	83.4	81.2	86.2	88.9	88.4	92.7	92.7	61.1	66.8	61.1	66.8
300	77.5	75.4	84.1	84.9	84.9	84.9	84.9	58.1	63.3	58.1	63.3
350	73.9	71.9	80.5	80.5	80.5	80.5	80.5	56.1	60.8	56.1	60.8
400	69.0		73.2	73.2	73.2	73.2	73.2	54.9	58.2	54.9	58.2
425	57.5		70.2	70.2	70.2	69.0	70.2	54.3	57.3	54.3	57.3
450	40.1		37.6	67.6	67.6	61.8	61.6	53.7	56.2	53.7	56.2
500	17.6		48.1	55.6	55.6	40.5	55.0	52.1	53.7		53.7
525	10.4		30.1	40.5	43.8	30.8	45.2	47.8	52.6		
550				25.5	32.7	23.4	34.0	43.6	49.9		
600				11.8	15.3	13.1	14.4	33.4	42.9		
650						6.0	7.0	21.0	28.2		
700								12.0	19.9		
750								7.3	11.0		
800								4.1	7.0		

(a) Permissible, but not recommended for prolonged usage above 425°C (800 °F)

(b) Not 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)

PRESSURE - TEMPERATURE RATINGS TO ANSI B 16.34											ANSI 900 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	153.2	143.6	143.6	155.1	155.1	155.2	155.2	148.9	148.9	148.9	148.9
50	150.2	141.9	142.9	153.4	153.6	155.2	155.2	143.5	144.4	143.5	144.4
100	139.1	135.3	139.8	145.3	147.1	154.6	154.6	122.6	126.6	122.6	126.6
150	135.7	131.9	134.9	139.1	139.9	150.6	150.6	109.0	115.5	109.0	115.0
200	131.5	128.0	132.6	136.4	134.5	146.4	146.4	98.3	107.0	98.3	108.0
250	125.2	121.8	129.2	133.4	132.7	139.0	139.0	91.6	100.2	91.6	100.2
300	116.2	113.1	126.1	127.3	127.3	127.3	127.3	87.2	94.9	87.2	94.9
350	110.9	107.9	120.7	120.7	120.7	120.7	120.7	84.2	91.3	84.2	91.3
400	103.5		109.8	109.8	109.8	109.8	109.8	82.4	87.3	82.4	87.3
425	86.3		105.3	105.3	105.3	103.5	105.3	81.5	86.0	81.5	86.0
450	60.1		101.4	101.4	101.4	92.7	101.4	80.6	84.2	80.6	84.2
500	26.4		72.2	83.4	83.4	60.8	82.5	78.2	80.5		80.5
525	15.5		45.1	60.1	65.8	46.3	67.8	71.6	78.9		
550				38.3	49.1	35.0	50.9	65.4	74.9		
600				17.6	22.9	19.6	21.5	50.1	64.3		
650						9.0	10.4	31.6	42.4		
700								17.9	29.8		
750								11.0	17.6		
800								6.2	10.5		

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