



## PRESSURE/TEMPERATURE RATINGS

### ASME B16.34 VALVES

Emerson valve materials that conform to ASME 16.34 standard class pressure/temperature ratings.

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#### **IMPORTANT INFORMATION FOR TABLES**

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1. Emerson valves conforming to ASME B16.34 standard have specific pressure/temperature limits depending on component materials. Use the material reference in the table when determining pressure/temperature ratings of valves used in accordance with the ASME standard.
2. Table information is extracted from the Valve–Flanged, Threaded, and Welding End, ASME Standard B16.34. These tables must be used in accordance with the ASME standard. The user is advised that a valve used under the jurisdiction of the ASME Boiler and Pressure Vessel Code, ASME Code for Pressure Piping, or governmental regulations is subject to any limitation of that code or regulation. This includes any maximum temperature limitation for a material or rule governing the use of a material at a low temperature.
3. Flanged end ratings terminate at 1000°F (538°C).
4. At temperatures over 1000°F (538°C), use material only when carbon content is 0.04% or higher.

# PRESSURE/TEMPERATURE RATINGS

## ASME B16.34 VALVES

### ASME CLASS 150 PRESSURE/TEMPERATURE RATINGS FOR VALVES (U.S. UNITS)

Service temp °F	Working pressure (psig) - Cast materials								Working pressure (psig) - Forged materials						
	ASTM A216	ASTM A217	ASTM A217	ASTM A217	ASTM A351 CF8	ASTM A351 CF8M	ASTM A352	ASTM A352	A105 & A350						
	WCB	WC6	WC9	C5	ASTM A351 CF3	ASTM A351 CF3M	LCB	LCC	-LF2	F5	F11	F22	F304	F316	F304L
-20 to 100	285	290	290	290	275	275	265	290	285	290	290	290	275	275	230
200	260	260	260	260	230	235	250	260	260	260	260	260	230	235	195
300	230	230	230	230	205	215	230	230	230	230	230	230	205	215	175
400	200	200	200	200	190	195	200	200	200	200	200	200	190	195	160
500	170	170	170	170	170	170	170	170	170	170	170	170	170	170	145
600	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140
650	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125
700	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
750	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95
800	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
850	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
900	50	50	50	50	50	50	50	50	50	50	50	50	50	50	-
950	35	35	35	35	35	35	35	35	35	-	35	35	35	35	-
1000	20	20	20	20	20	20	20	20	20	-	20	20	20	20	-
1050	-	20	20	20	20	20	-	-	-	-	-	-	-	-	-
1100	-	20	20	20	20	20	-	-	-	-	-	-	-	-	-
1150	-	20	20	20	20	20	-	-	-	-	-	-	-	-	-
1200	-	15	20	15	20	20	-	-	-	-	-	-	-	-	-
1250	-	-	-	-	20	20	-	-	-	-	-	-	-	-	-
1300	-	-	-	-	20	20	-	-	-	-	-	-	-	-	-
1350	-	-	-	-	20	20	-	-	-	-	-	-	-	-	-
1400	-	-	-	-	20	20	-	-	-	-	-	-	-	-	-
1450	-	-	-	-	15	20	-	-	-	-	-	-	-	-	-
1500	-	-	-	-	10	20	-	-	-	-	-	-	-	-	-

### ASME CLASS 150 PRESSURE/TEMPERATURE RATINGS FOR VALVES (METRIC UNITS)

Service temp °C	Working pressure (bar) - Cast materials								Working pressure (psig) - Forged materials						
	ASTM A216	ASTM A217	ASTM A217	ASTM A217	ASTM A351 CF8	ASTM A351 CF8M	ASTM A352	ASTM A352	A105 & A350						
	WCB	WC6	WC9	C5	ASTM A351 CF3	ASTM A351 CF3M	LCB	LCC	-LF2	F5	F11	F22	F304	F316	F304L
-29 to 38	19.6	19.8	19.8	20.0	19.0	19.0	18.4	19.8	19.6	20	19.8	19.8	19	19	15.9
50	19.2	19.5	19.5	19.5	18.3	18.4	18.2	19.5	19.2	19.5	19.5	19.5	18.3	18.4	15.3
100	17.7	17.7	17.7	17.7	15.7	16.2	17.4	17.7	17.7	17.7	17.7	17.7	15.7	16.2	13.3
150	15.8	15.8	15.8	15.8	14.2	14.8	15.8	15.8	15.8	15.8	15.8	15.8	14.2	14.8	12
200	13.8	13.8	13.8	13.8	13.2	13.7	13.8	13.8	13.8	13.8	13.8	13.8	13.2	13.7	11.2
250	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	10.5
300	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10
325	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
350	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
375	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
400	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
425	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
450	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
475	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	-	3.7	3.7	3.7	3.7	3.7	-
500	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	-	2.8	2.8	2.8	2.8	2.8	-
538	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	-	-	1.4	1.4	1.4	1.4	-
550	-	1.4	1.4	1.4	1.4	1.4	-	-	-	-	-	-	-	-	-
575	-	1.4	1.4	1.4	1.4	1.4	-	-	-	-	-	-	-	-	-
600	-	1.4	1.4	1.4	1.4	1.4	-	-	-	-	-	-	-	-	-
625	-	1.4	1.4	1.4	1.4	1.4	-	-	-	-	-	-	-	-	-
650	-	1.1	1.1	0.9	1.4	1.4	-	-	-	-	-	-	-	-	-
675	-	-	-	-	1.4	1.4	-	-	-	-	-	-	-	-	-
700	-	-	-	-	1.4	1.4	-	-	-	-	-	-	-	-	-
725	-	-	-	-	1.4	1.4	-	-	-	-	-	-	-	-	-
750	-	-	-	-	1.4	1.4	-	-	-	-	-	-	-	-	-
775	-	-	-	-	1.4	1.4	-	-	-	-	-	-	-	-	-
800	-	-	-	-	1.2	1.2	-	-	-	-	-	-	-	-	-
816	-	-	-	-	1.0	1.0	-	-	-	-	-	-	-	-	-

# PRESSURE/TEMPERATURE RATINGS

## ASME B16.34 VALVES

### ASME CLASS 300 PRESSURE/TEMPERATURE RATINGS FOR VALVES (U.S. UNITS)

Service temp °F	Working pressure (psig) - Cast materials								Working pressure (psig) - Forged materials								
	ASTM A216 WCB	ASTM A217 WC6	ASTM A217 WC9	ASTM A217 C5	ASTM A351 CF8	ASTM A351 CF3	ASTM A351 CF8M	ASTM A351 CF3M	ASTM A352 LCB	ASTM A352 LCC	A105 & A350						F304L
	-LF2	F5	F11	F22	F304	F316	F316L										
-20 to 100	740	750	750	750	720	720	720	720	695	750	740	750	750	750	720	720	600
200	675	750	750	745	600	600	620	620	655	750	675	745	750	750	600	620	505
300	655	720	730	715	540	540	560	560	640	730	655	715	720	730	540	560	455
400	635	695	705	705	495	495	515	515	620	705	635	705	695	705	495	515	415
500	600	665	665	665	465	465	480	480	585	665	600	665	665	665	465	480	380
600	550	605	605	605	435	435	450	450	535	605	550	605	605	605	435	450	360
650	535	590	590	590	430	430	445	445	525	590	535	590	590	590	430	445	350
700	535	570	570	570	425	425	430	430	520	570	535	570	570	570	425	430	345
750	505	530	530	530	415	415	425	425	475	505	505	530	530	530	415	425	335
800	410	510	510	510	405	405	420	420	390	410	410	510	510	510	105	420	330
850	270	485	485	485	395	395	420	420	270	270	270	485	485	485	395	415	320
900	170	450	450	370	390	390	415	415	170	170	170	370	450	450	390	385	-
950	105	320	375	275	380	380	385	385	105	105	-	275	320	375	380	350	-
1000	50	215	260	200	320	320	350	350	50	50	-	200	215	260	320	345	-
1050	-	145	175	145	310	310	345	345	-	-	-	145	145	175	310	305	-
1100	-	95	110	100	255	255	305	305	-	-	-	100	95	110	255	235	-
1150	-	60	70	60	200	200	235	235	-	-	-	60	60	70	200	185	-
1200	-	40	40	35	155	155	185	185	-	-	-	35	40	40	155	145	-
1250	-	-	-	-	115	115	145	145	-	-	-	-	-	-	115	115	-
1300	-	-	-	-	85	85	115	115	-	-	-	-	-	-	85	-	-
1350	-	-	-	-	60	60	95	95	-	-	-	-	-	-	-	-	-
1400	-	-	-	-	50	50	75	75	-	-	-	-	-	-	-	-	-
1450	-	-	-	-	35	35	60	60	-	-	-	-	-	-	-	-	-
1500	-	-	-	-	25	25	40	40	-	-	-	-	-	-	-	-	-

### ASME CLASS 300 PRESSURE/TEMPERATURE RATINGS FOR VALVES (METRIC UNITS)

Service temp °C	Working pressure (bar) - Cast materials								Working pressure (psig) - Forged materials								
	ASTM A216 WCB	ASTM A217 WC6	ASTM A217 WC9	ASTM A217 C5	ASTM A351 CF8	ASTM A351 CF3	ASTM A351 CF8M	ASTM A351 CF3M	ASTM A352 LCB	ASTM A352 LCC	A105 & A350						F304L
	-LF2	F5	F11	F22	F304	F316	F316L										
-29 to 38	51.1	51.7	51.7	51.7	49.6	49.6	49.6	49.6	48.0	51.7	51.1	51.7	51.7	51.7	49.6	49.6	41.4
50	50.1	51.7	51.7	51.7	47.8	47.8	48.1	48.1	47.5	51.7	50.1	51.7	51.7	51.7	47.8	48.1	40.0
100	46.6	51.5	51.5	51.5	40.9	40.9	42.2	42.2	45.3	51.5	46.6	51.5	51.5	51.5	40.9	42.2	34.8
150	45.1	49.7	50.3	50.3	37.0	37.0	38.5	38.5	43.9	50.2	45.1	50.3	49.7	50.3	37.0	38.5	31.4
200	43.8	48.0	48.6	48.6	35.4	35.4	35.7	35.7	42.5	48.6	43.8	48.6	48.0	48.6	35.4	35.7	29.2
250	41.9	46.3	46.3	46.3	32.5	32.5	33.4	33.4	40.8	46.3	41.9	46.3	46.3	46.3	32.5	33.4	27.5
300	39.8	42.9	42.9	42.9	30.9	30.9	31.6	31.6	38.7	42.9	39.8	42.9	42.9	42.9	30.9	31.6	26.1
325	38.7	41.4	41.4	41.4	30.2	30.2	30.9	30.9	37.6	41.4	38.7	41.4	41.4	41.4	30.2	30.9	25.5
350	37.6	40.3	40.3	40.3	29.6	29.6	30.3	30.3	36.4	40.0	37.6	40.3	40.3	40.3	29.6	30.3	25.1
375	36.4	38.9	38.9	38.9	29.0	29.0	29.9	29.9	35.0	37.8	36.4	38.9	38.9	38.9	29.0	29.9	24.8
400	34.7	36.5	36.5	36.5	28.4	28.4	29.4	29.4	32.6	34.7	34.7	36.5	36.5	36.5	28.4	29.4	24.3
425	28.8	35.2	35.2	35.2	28.0	28.0	29.1	29.1	27.3	28.8	28.8	35.2	35.2	35.2	28.0	29.1	23.9
450	23.0	33.7	33.7	33.7	27.4	27.4	28.8	28.8	21.6	23.0	23.0	33.7	33.7	33.7	27.4	28.8	23.4
475	17.4	31.7	31.7	27.9	26.9	26.9	28.7	28.7	15.7	17.1	17.4	27.9	31.7	31.7	26.9	28.7	-
500	11.8	25.7	28.2	21.4	26.5	26.5	28.2	28.2	11.1	11.6	-	21.4	25.7	28.2	26.5	28.2	-
538	5.9	14.9	18.4	13.7	24.4	24.4	25.2	25.2	5.9	5.9	-	13.7	14.9	18.4	24.4	25.2	-
550	-	12.7	15.6	12.0	23.6	23.6	25.0	25.0	-	-	-	12.0	12.7	15.6	23.6	25.0	-
575	-	8.8	10.5	8.9	20.8	20.8	24.0	24.0	-	-	-	8.9	8.8	10.5	20.8	24.0	-
600	-	6.1	6.9	6.2	16.9	16.9	19.9	19.9	-	-	-	6.2	6.1	6.9	16.9	19.9	-
625	-	4.3	4.5	4.0	13.8	13.8	15.8	15.8	-	-	-	4.0	4.3	4.5	13.8	15.8	-
650	-	2.8	2.8	2.4	11.3	11.3	12.7	12.7	-	-	-	2.4	2.8	2.8	11.3	12.7	-
675	-	-	-	-	9.3	9.3	10.3	10.3	-	-	-	-	-	-	9.3	10.3	-
700	-	-	-	-	8.0	8.0	8.4	8.4	-	-	-	-	-	-	8.0	-	-
725	-	-	-	-	6.8	6.8	7.0	7.0	-	-	-	-	-	-	-	-	-
750	-	-	-	-	5.8	5.8	5.9	5.9	-	-	-	-	-	-	-	-	-
775	-	-	-	-	4.6	4.6	4.6	4.6	-	-	-	-	-	-	-	-	-
800	-	-	-	-	3.5	3.5	3.5	3.5	-	-	-	-	-	-	-	-	-
816	-	-	-	-	2.8	2.8	2.8	2.8	-	-	-	-	-	-	-	-	-

# PRESSURE/TEMPERATURE RATINGS

## ASME B16.34 VALVES

### ASME CLASS 600 PRESSURE/TEMPERATURE RATINGS FOR VALVES (U.S. UNITS)

Service temp °F	Working pressure (psig) - Cast materials									Working pressure (psig) - Forged materials							
	ASTM A216 WCB	ASTM A217 WC6	ASTM A217 WC9	ASTM A217 C5	ASTM A351 CF8	ASTM A351 CF3	ASTM A351 CF8M	ASTM A351 CF3M	ASTM A352 LCB	ASTM A352 LCC	A105 & A350						F304L
											-LF2	F5	F11	F22	F304	F316	F316L
-20 to 100	1480	1500	1500	1500		1440		1440	1390	1500	1480	1500	1500	1500	1440	1440	1200
200	1350	1500	1500	1490		1200		1240	1315	1500	1350	1490	1500	1500	1200	1240	1015
300	1315	1445	1455	1430		1080		1120	1275	1455	1315	1430	1445	1455	1080	1120	910
400	1270	1385	1410	1410		995		1025	1235	1410	1270	1410	1385	1410	995	1025	825
500	1200	1330	1330	1330		930		995	1165	1330	1200	1330	1330	1330	930	955	765
600	1095	1210	1210	1210		875		900	1065	1210	1095	1210	1210	1210	875	900	720
650	1075	1175	1175	1175		860		890	1045	1175	1075	1175	1175	1175	860	890	700
700	1065	1135	1135	1135		850		870	1035	1135	1065	1135	1135	1136	850	870	685
750	1010	1065	1065	1055		830		855	945	1010	1010	1055	1065	1065	830	855	670
800	825	1015	1015	1015		805		845	780	825	825	1015	1015	1015	805	845	660
850	535	975	975	965		790		835	535	535	535	965	975	975	790	835	645
900	345	900	900	740		780		830	345	345	345	740	900	900	780	830	-
950	205	640	755	550		765		775	205	205	-	550	640	755	765	775	-
1000	105	430	520	400		640		700	105	105	-	400	430	520	640	700	-
1050	-	290	350	290		615		685	-	-	-	290	290	350	615	685	-
1100	-	190	220	200		515		610	-	-	-	200	190	220	515	610	-
1150	-	125	135	125		400		475	-	-	-	125	125	135	400	475	-
1200	-	75	80	70		310		370	-	-	-	70	75	80	310	370	-
1250	-	-	-	-		225		295	-	-	-	-	-	-	225	295	-
1300	-	-	-	-		170		235	-	-	-	-	-	-	170	235	-
1350	-	-	-	-		125		190	-	-	-	-	-	-	-	-	-
1400	-	-	-	-		95		150	-	-	-	-	-	-	-	-	-
1450	-	-	-	-		70		115	-	-	-	-	-	-	-	-	-
1500	-	-	-	-		55		85	-	-	-	-	-	-	-	-	-

### ASME CLASS 600 PRESSURE/TEMPERATURE RATINGS FOR VALVES (METRIC UNITS)

Service temp °C	Working pressure (bar) - Cast materials									Working pressure (bar) - Forged materials							
	ASTM A216 WCB	ASTM A217 WC6	ASTM A217 WC9	ASTM A217 C5	ASTM A351 CF8	ASTM A351 CF3	ASTM A351 CF8M	ASTM A351 CF3M	ASTM A352 LCB	ASTM A352 LCC	A105 & A350						F304L
											-LF2	F5	F11	F22	F304	F316	F316L
-29 to 38	102.1	103.4	103.4	103.4		99.3		99.3	96.0	103.4	102.1	103.4	103.4	103.4	99.3	99.3	82.7
50	100.2	103.4	103.4	103.4		95.6		96.2	94.9	103.4	100.2	103.4	103.4	103.4	95.6	96.2	80.0
100	93.2	103.0	103.0	103.0		81.7		84.4	90.7	103.0	93.2	103.0	103.0	103.0	81.7	84.4	69.6
150	90.2	99.5	100.3	100.3		74.0		77.0	87.9	100.3	90.2	100.3	99.5	100.3	74.0	77.0	62.8
200	87.6	95.9	97.2	97.2		69.0		71.3	85.1	97.2	87.6	97.2	95.9	97.2	69.0	71.3	58.3
250	83.9	92.7	92.7	92.7		65.0		66.8	81.6	92.7	83.9	92.7	92.7	92.7	65.0	66.8	54.9
300	79.6	85.7	85.7	85.7		61.8		63.2	77.4	85.7	79.6	85.7	85.7	85.7	61.8	63.2	52.1
325	77.4	82.6	82.6	82.6		60.4		61.8	75.2	82.6	77.4	82.6	82.6	82.6	60.4	61.8	51.0
350	75.1	80.4	80.4	80.4		59.3		60.7	72.8	80.0	75.1	80.4	80.4	80.4	59.3	60.7	50.1
375	72.7	77.6	77.6	77.6		58.1		59.8	69.9	75.7	72.7	77.6	77.6	77.6	58.1	59.8	49.5
400	69.4	73.3	73.3	73.3		56.9		58.9	65.2	69.4	69.4	73.3	73.3	73.3	56.9	58.9	48.6
425	57.5	70.0	70.0	70.0		56.0		58.3	54.6	57.5	57.5	70.0	70.0	70.0	56.0	58.3	47.7
450	46.0	67.7	67.7	67.7		54.8		57.7	43.2	46.0	46.0	67.7	67.7	67.7	54.8	57.7	46.8
475	34.9	63.4	63.4	55.7		53.9		57.3	31.3	34.2	34.9	55.7	63.4	63.4	53.9	57.3	-
500	23.5	51.5	56.5	42.8		53.0		56.5	22.1	23.2	-	42.8	51.5	56.5	53.0	56.5	-
538	11.8	29.8	36.9	27.4		48.9		50.0	11.8	11.8	-	27.4	29.8	36.9	48.9	50.0	-
550	-	25.4	31.3	24.1		47.1		49.8	-	-	-	24.1	25.4	31.3	47.1	49.8	-
575	-	17.6	21.1	17.8		41.7		47.9	-	-	-	17.8	17.6	21.1	41.7	47.9	-
600	-	12.2	13.8	12.5		33.8		39.8	-	-	-	12.5	12.2	13.8	33.8	39.8	-
625	-	8.5	8.9	8.0		27.6		31.6	-	-	-	8.0	8.5	8.9	27.6	31.6	-
650	-	5.7	5.7	4.7		22.5		25.3	-	-	-	4.7	5.7	5.7	22.5	25.3	-
675	-	-	-	-		18.7		20.6	-	-	-	-	-	-	18.7	20.6	-
700	-	-	-	-		16.1		16.8	-	-	-	-	-	-	16.1	16.8	-
725	-	-	-	-		13.5		14.0	-	-	-	-	-	-	-	-	-
750	-	-	-	-		11.6		11.7	-	-	-	-	-	-	-	-	-
775	-	-	-	-		9.0		9.0	-	-	-	-	-	-	-	-	-
800	-	-	-	-		7.0		7.0	-	-	-	-	-	-	-	-	-
816	-	-	-	-		5.9		5.9	-	-	-	-	-	-	-	-	-

# PRESSURE/TEMPERATURE RATINGS

## ASME B16.34 VALVES

### ASME CLASS 800 PRESSURE/TEMPERATURE RATINGS FOR VALVES (U.S. UNITS)

Service temp °F	Working pressure (psig) - Cast materials								Working pressure (psig) - Forged materials							
	ASTM A216 WCB	ASTM A217 WC6	ASTM A217 WC9	ASTM A217 C5	ASTM A351 CF8 ASTM A351 CF3	ASTM A351 CF8M ASTM A351 CF3M	ASTM A352 LCB	ASTM A352 LCC	A105 & A350							F304L
	F5	F11	F22	F304	F316	F316L										
-20 to 100	1975	2000	2000	2000	1920	1920	1860	2000	1975	2000	2000	2000	1920	1920	1600	
200	1810	2000	2000	2000	1600	1655	1760	2000	1800	2000	1900	1910	1600	1655	1350	
300	1745	1925	1940	1940	1435	1495	1700	1940	1750	1940	1795	1805	1410	1495	1210	
400	1690	1850	1880	1880	1325	1370	1640	1875	1690	1880	1755	1730	1255	1370	1100	
500	1610	1775	1775	1775	1240	1275	1565	1775	1595	1775	1710	1705	1165	1275	1020	
600	1515	1615	1615	1615	1180	1205	1470	1615	1460	1615	1615	1615	1105	1205	960	
650	1465	1570	1570	1570	1150	1180	1420	1570	1430	1570	1570	1570	1090	1185	935	
700	1415	1515	1515	1515	1125	1160	1365	1480	1420	1515	1515	1515	1075	1150	915	
750	1350	1420	1420	1420	1100	1140	1270	1350	1345	1420	1420	1420	1060	1130	895	
800	1100	1355	1355	1355	1080	1125	1045	1100	1100	1325	1355	1355	1050	1105	875	
850	850	1300	1300	1300	1055	1115	795	850	715	1170	1300	1300	1035	1080	860	
900	615	1200	1200	995	1035	1105	540	595	460	940	1200	1200	1025	1050	-	
950	365	850	1025	735	1020	1030	365	365	-	695	1005	1005	1000	1030	-	
1000	225	575	710	530	945	970	225	225	-	510	595	715	860	970	-	
1050	-	385	465	385	865	960	-	-	-	375	365	530	825	860	-	
1100	-	255	295	265	685	815	-	-	-	275	225	300	685	735	-	
1150	-	175	180	165	545	630	-	-	-	185	140	275	520	550	-	
1200	-	110	110	95	440	495	-	-	-	120	95	145	415	485	-	
1250	-	-	-	-	355	390	-	-	-	-	-	-	295	365	-	
1300	-	-	-	-	300	310	-	-	-	-	-	-	220	-	-	
1350	-	-	-	-	250	255	-	-	-	-	-	-	-	-	-	
1400	-	-	-	-	200	200	-	-	-	-	-	-	-	-	-	
1450	-	-	-	-	155	155	-	-	-	-	-	-	-	-	-	
1500	-	-	-	-	110	110	-	-	-	-	-	-	-	-	-	

### ASME CLASS 800 PRESSURE/TEMPERATURE RATINGS FOR VALVES (METRIC UNITS)

Service temp °C	Working pressure (bar) - Cast materials								Working pressure (bar) - Forged materials							
	ASTM A216 WCB	ASTM A217 WC6	ASTM A217 WC9	ASTM A217 C5	ASTM A351 CF8 ASTM A351 CF3	ASTM A351 CF8M ASTM A351 CF3M	ASTM A352 LCB	ASTM A352 LCC	A105 & A350							F304L
	F5	F11	F22	F304	F316	F316L										
-29 to 38	136.2	137.9	137.9	137.9	132.4	132.4	128.1	137.9	136.2	137.9	137.9	137.9	132.4	132.4	110.3	
50	133.7	137.9	137.9	137.9	127.5	128.3	126.6	137.9	133.7	137.9	137.9	137.9	127.5	128.3	106.7	
100	124.3	137.3	137.4	137.4	109.0	112.5	120.9	137.4	124.3	137.4	137.3	137.4	109.0	112.5	92.8	
150	120.2	132.6	133.8	133.8	98.7	102.7	117.2	133.8	120.2	133.8	132.6	133.8	98.7	102.7	83.7	
200	116.8	127.9	129.6	129.6	91.9	95.1	113.4	129.6	116.8	129.6	129.9	129.6	91.9	95.1	77.8	
250	111.8	123.6	123.6	123.6	86.7	89.0	108.7	123.6	111.8	123.6	123.6	123.6	86.7	89.0	73.2	
300	106.2	114.3	114.3	114.3	82.4	84.3	103.2	114.3	106.2	114.3	114.3	114.3	82.4	84.3	69.5	
325	103.2	110.2	110.2	110.2	80.6	82.4	100.2	110.2	103.2	110.2	110.2	110.2	80.6	82.4	67.9	
350	100.2	107.3	107.3	107.3	79.0	80.9	97.1	106.7	100.2	107.3	107.3	107.3	79.0	80.9	66.8	
375	97.0	103.5	103.5	103.5	77.4	79.7	93.2	100.9	97.0	103.5	103.5	103.5	77.4	79.7	66.0	
400	92.6	97.6	97.6	97.6	75.8	78.5	87.0	92.6	92.6	97.6	97.6	97.6	75.8	78.5	64.8	
425	76.7	93.4	93.4	93.4	74.7	77.7	72.8	76.7	76.7	93.4	93.4	93.4	74.7	77.7	63.6	
450	61.3	90.2	90.2	90.2	73.1	76.9	57.6	61.3	61.3	90.2	90.2	90.2	73.1	76.9	62.4	
475	46.5	84.5	84.5	74.3	71.8	76.4	41.8	45.6	46.5	74.3	84.5	84.5	71.8	76.4	-	
500	31.4	68.6	75.3	57.0	70.7	75.3	29.5	30.9	-	57.0	68.6	75.3	70.7	75.3	-	
538	15.7	39.7	49.2	36.5	65.2	66.8	15.7	15.7	-	36.5	39.7	49.2	65.2	66.8	-	
550	-	33.9	41.7	32.1	62.8	66.5	-	-	-	32.1	33.9	41.7	62.8	66.5	-	
575	-	23.5	28.1	21.7	55.6	63.8	-	-	-	21.7	23.5	28.1	55.6	63.8	-	
600	-	16.3	18.4	16.6	45.0	53.1	-	-	-	16.6	16.3	18.4	45.0	53.1	-	
625	-	11.4	11.9	10.7	36.8	42.1	-	-	-	10.7	11.4	11.9	36.8	42.1	-	
650	-	7.6	7.6	6.3	30.0	33.8	-	-	-	6.3	7.6	7.6	30.0	33.8	-	
675	-	-	-	-	24.9	27.5	-	-	-	-	-	-	24.9	27.5	-	
700	-	-	-	-	21.4	22.3	-	-	-	-	-	-	21.4	-	-	
725	-	-	-	-	18.0	18.7	-	-	-	-	-	-	-	-	-	
750	-	-	-	-	15.4	15.6	-	-	-	-	-	-	-	-	-	
775	-	-	-	-	12.1	12.1	-	-	-	-	-	-	-	-	-	
800	-	-	-	-	9.3	9.3	-	-	-	-	-	-	-	-	-	
816	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

# PRESSURE/TEMPERATURE RATINGS

## ASME B16.34 VALVES

### ASME CLASS 900 PRESSURE/TEMPERATURE RATINGS FOR VALVES (U.S. UNITS)

Service temp °F	Working pressure (psig) - Cast materials								Working pressure (psig) - Forged materials						
	ASTM A216 WCB	ASTM A217 WC6	ASTM A217 WC9	ASTM A217 C5	ASTM A351 CF8 ASTM A351 CF3	ASTM A351 CF8M ASTM A351 CF3M	ASTM A352 LCB	ASTM A352 LCC	A105 & A350						
									-LF2	F5	F11	F22	F304	F316	F304L
-20 to 100	2220	2250	2250	2250	2160	2160	2085	2250	2220	2250	2250	2250	2160	2160	1800
200	2025	2250	2250	2235	1800	1860	1970	2250	2025	2235	2250	2250	1800	1860	1520
300	1970	2165	2185	2150	1620	1680	1915	2185	1970	2150	2165	2185	1620	1680	1360
400	1900	2080	2115	2115	1490	1540	1850	2115	1900	2115	2080	2115	1490	1540	1240
500	1795	1995	1995	1995	1395	1435	1745	1995	1795	1995	1995	1995	1395	1435	1145
600	1640	1815	1815	1815	1310	1355	1600	1815	1640	1815	1815	1815	1316	1355	1080
650	1610	1765	1765	1765	1290	1330	1570	1765	1610	1765	1765	1765	1290	1330	1050
700	1600	1705	1705	1705	1275	1305	1555	1705	1600	1705	1705	1705	1275	1305	1030
750	1510	1595	1595	1585	1245	1280	1420	1510	1510	1585	1595	1595	1245	1280	1010
800	1235	1525	1525	1525	1210	1265	1175	1235	1235	1525	1525	1525	1210	1265	985
850	805	1460	1460	1450	1190	1255	805	805	805	1450	1460	1460	1190	1255	965
900	515	1350	1350	1110	1165	1245	515	515	515	1110	1350	1350	1165	1245	-
950	310	955	1130	825	1145	1160	310	310	-	825	9550	1130	1145	1160	-
1000	155	650	780	595	965	1050	155	155	-	595	650	780	965	1050	-
1050	-	430	525	430	925	1030	-	-	-	430	430	525	925	1030	-
1100	-	290	330	300	770	915	-	-	-	300	290	330	770	915	-
1150	-	185	205	185	595	710	-	-	-	185	185	205	595	710	-
1200	-	115	125	105	465	555	-	-	-	105	115	125	465	555	-
1250	-	-	-	-	340	440	-	-	-	-	-	-	340	440	-
1300	-	-	-	-	255	350	-	-	-	-	-	-	255	350	-
1350	-	-	-	-	185	290	-	-	-	-	-	-	-	-	-
1400	-	-	-	-	145	225	-	-	-	-	-	-	-	-	-
1450	-	-	-	-	105	175	-	-	-	-	-	-	-	-	-
1500	-	-	-	-	80	125	-	-	-	-	-	-	-	-	-

### ASME CLASS 900 PRESSURE/TEMPERATURE RATINGS FOR VALVES (METRIC UNITS)

Service temp °C	Working pressure (bar) - Cast materials								Working pressure (bar) - Forged materials						
	ASTM A216 WCB	ASTM A217 WC6	ASTM A217 WC9	ASTM A217 C5	ASTM A351 CF8 ASTM A351 CF3	ASTM A351 CF8M ASTM A351 CF3M	ASTM A352 LCB	ASTM A352 LCC	A105 & A350						
									-LF2	F5	F11	F22	F304	F316	F304L
-29 to 38	153.2	155.1	155.1	155.1	148.9	148.9	144.1	155.1	153.2	155.1	155.1	155.1	148.9	148.9	124.1
50	150.4	155.1	155.1	155.1	143.5	144.3	142.4	155.1	150.4	155.1	155.1	155.1	143.5	144.3	120.1
100	139.8	154.4	154.6	154.6	122.6	126.6	136.0	154.6	139.8	154.6	154.4	154.6	122.6	126.6	104.4
150	135.2	149.2	150.6	150.6	111.0	115.5	131.8	150.5	135.2	150.6	149.2	150.6	111.0	115.5	94.2
200	131.4	143.9	145.8	145.8	103.4	107.0	127.6	145.8	131.4	145.8	143.9	145.8	103.4	107.0	87.5
250	125.8	139.0	139.0	139.0	97.5	100.1	122.3	139.0	125.8	139.0	139.0	139.0	97.5	100.1	82.4
300	119.5	128.6	128.6	128.6	92.7	94.9	116.1	128.6	119.5	128.6	128.6	128.6	92.7	94.9	78.2
325	116.1	124.0	124.0	124.0	90.7	92.7	112.7	124.0	116.1	124.0	124.0	124.0	90.7	92.7	76.4
350	112.7	120.7	120.7	120.7	88.9	91.0	109.2	120.1	112.7	120.7	120.7	120.7	88.9	91.0	75.2
375	109.1	116.5	116.5	116.5	87.1	89.6	104.9	113.5	109.1	116.5	116.5	116.5	87.1	89.6	74.3
400	104.2	109.8	109.8	109.8	85.3	88.3	97.9	104.2	104.2	109.8	109.8	109.8	85.3	88.3	72.9
425	86.3	105.1	105.1	105.1	84.0	87.4	81.9	86.3	86.3	105.1	105.1	105.1	84.0	87.4	71.6
450	69.0	101.4	101.4	101.4	82.2	86.5	64.8	69.0	69.0	101.4	101.4	101.4	82.2	86.5	70.2
475	52.3	95.1	95.1	83.6	80.8	86.0	47.0	51.3	52.3	83.6	95.1	95.1	80.8	86.0	-
500	35.3	77.2	84.7	64.1	79.5	84.7	33.2	34.7	-	64.1	77.2	84.7	79.5	84.7	-
538	17.7	44.7	55.3	41.1	73.3	75.2	17.7	17.7	-	41.1	44.7	55.3	73.3	75.2	-
550	-	38.1	46.9	36.1	70.7	74.8	-	-	-	36.1	38.1	46.9	70.7	74.8	-
575	-	26.4	31.6	26.7	62.5	71.8	-	-	-	26.7	26.4	31.6	62.5	71.8	-
600	-	18.3	20.7	18.7	50.6	59.7	-	-	-	18.7	18.3	20.7	50.6	59.7	-
625	-	12.8	13.4	12.0	41.4	47.4	-	-	-	12.0	12.8	13.4	41.4	47.4	-
650	-	8.5	8.5	7.1	33.8	38.0	-	-	-	7.1	8.5	8.5	33.8	38.0	-
675	-	-	-	-	28.0	31.0	-	-	-	-	-	-	28.0	31.0	-
700	-	-	-	-	24.1	25.1	-	-	-	-	-	-	24.1	25.1	-
725	-	-	-	-	20.3	21.0	-	-	-	-	-	-	-	-	-
750	-	-	-	-	17.3	17.6	-	-	-	-	-	-	-	-	-
775	-	-	-	-	13.7	13.7	-	-	-	-	-	-	-	-	-
800	-	-	-	-	10.5	10.5	-	-	-	-	-	-	-	-	-
816	-	-	-	-	8.6	8.6	-	-	-	-	-	-	-	-	-

# PRESSURE/TEMPERATURE RATINGS

## ASME B16.34 VALVES

### ASME CLASS 1500 PRESSURE/TEMPERATURE RATINGS FOR VALVES (U.S. UNITS)

Service temp °F	Working pressure (psig) - Cast materials								Working pressure (psig) - Forged materials							
	ASTM A216 WCB	ASTM A217 WC6	ASTM A217 WC9	ASTM A217 C5	ASTM A351 CF8 ASTM A351 CF3	ASTM A351 CF8M ASTM A351 CF3M	ASTM A352 LCB	ASTM A352 LCC	A105 & A350							F304L
	-LF2	F5	F11	F22	F304	F316	F304L									
-20 to 100	3705	3750	3750	3750	3600	3600	3470	3750	3705	3750	3750	3750	3600	3600	3000	
200	3375	3750	3750	3725	3000	3095	3280	3750	3375	3725	3750	3750	3000	3095	2530	
300	3280	3610	3640	3580	2700	2795	3190	3640	3280	3580	3610	3640	2700	2795	2270	
400	3170	3465	3530	3530	2485	2570	3085	3530	3170	3530	3465	3530	2485	2570	2065	
500	2995	3325	3325	3325	2330	2390	2910	3325	2995	3326	3325	3325	2330	2390	1910	
600	2735	3025	3025	3025	2185	2255	2665	3025	2735	3025	3025	3025	2185	2255	1800	
650	2685	2940	2940	2940	2150	2220	2615	2940	2685	2940	2940	2940	2050	2220	1750	
700	2665	2840	2840	2840	2125	2170	2590	2840	2665	2840	2840	2840	2125	2170	1715	
750	2520	2660	2660	2640	2075	2135	2365	2520	2520	2640	2660	2660	2075	2135	1680	
800	2060	2540	2540	2540	2015	2110	1955	2060	2060	2540	2540	2540	2015	2110	1645	
850	1340	2435	2435	2415	1980	2090	1340	1340	1340	2415	2435	2435	1980	2090	1610	
900	860	2245	2245	1850	1945	2075	860	860	860	1850	2245	2245	1945	2075	-	
950	515	1595	1885	1370	1910	1930	515	515	-	1370	1595	1885	1910	1930	-	
1000	260	1080	1305	995	1605	1750	260	260	-	995	1080	1305	1605	1750	-	
1050	-	720	875	720	1545	1720	-	-	-	720	720	875	1545	1720	-	
1100	-	480	550	495	1285	1525	-	-	-	495	480	550	1285	1525	-	
1150	-	310	345	310	995	1185	-	-	-	310	310	345	995	1185	-	
1200	-	190	205	170	770	925	-	-	-	170	190	205	770	925	-	
1250	-	-	-	-	565	735	-	-	-	-	-	-	565	735	-	
1300	-	-	-	-	430	585	-	-	-	-	-	-	430	585	-	
1350	-	-	-	-	310	480	-	-	-	-	-	-	-	-	-	
1400	-	-	-	-	240	380	-	-	-	-	-	-	-	-	-	
1450	-	-	-	-	170	290	-	-	-	-	-	-	-	-	-	
1500	-	-	-	-	135	205	-	-	-	-	-	-	-	-	-	

### ASME CLASS 1500 PRESSURE/TEMPERATURE RATINGS FOR VALVES (METRIC UNITS)

Service temp °C	Working pressure (bar) - Cast materials								Working pressure (bar) - Forged materials							
	ASTM A216 WCB	ASTM A217 WC6	ASTM A217 WC9	ASTM A217 C5	ASTM A351 CF8 ASTM A351 CF3	ASTM A351 CF8M ASTM A351 CF3M	ASTM A352 LCB	ASTM A352 LCC	A105 & A350							F304L
	-LF2	F5	F11	F22	F304	F316	F316L									
-29 to 38	255.3	258.6	258.6	258.6	248.2	248.2	240.1	258.6	255.3	258.6	258.6	258.6	248.2	248.2	206.8	
50	250.6	258.6	258.6	258.6	239.1	240.6	237.3	258.6	250.6	258.6	258.6	258.6	239.1	240.6	200.1	
100	233.0	257.4	257.6	257.6	204.3	211.0	226.7	257.6	233.0	257.6	257.4	257.6	204.3	211.0	173.9	
150	225.4	248.7	250.8	250.8	185.0	192.5	219.7	250.8	225.4	250.8	248.7	250.8	185.0	192.5	157.0	
200	219.0	239.8	243.4	243.4	172.4	178.3	212.7	243.2	219.0	243.4	239.8	243.4	172.4	178.3	145.8	
250	209.7	231.8	231.8	231.8	162.4	166.9	203.9	231.8	209.7	231.8	231.8	231.8	162.4	166.9	137.3	
300	199.1	214.4	214.4	214.4	154.6	158.1	193.4	214.4	199.1	214.4	214.4	214.4	154.6	158.1	130.3	
325	193.6	206.6	206.6	206.6	151.1	154.4	187.9	206.6	193.6	206.6	206.6	206.6	151.1	154.4	127.4	
350	187.8	201.1	201.1	201.1	148.1	151.6	182.0	200.1	187.8	201.1	201.1	201.1	148.1	151.6	125.4	
375	181.8	194.1	194.1	194.1	145.2	149.4	174.9	189.2	181.8	194.1	194.1	194.1	145.2	149.4	123.8	
400	173.6	183.1	183.1	183.1	142.2	147.2	163.1	173.6	173.6	183.1	183.1	183.1	142.2	147.2	121.5	
425	143.8	175.1	175.1	175.1	140.0	145.7	136.5	143.8	143.8	175.1	175.1	175.1	140.0	145.7	119.3	
450	115.0	169.0	169.0	169.0	137.0	144.2	107.9	115.0	115.0	169.0	169.0	169.0	137.0	144.2	117.1	
475	87.2	158.2	158.2	139.3	134.7	143.4	78.3	85.4	87.2	139.3	158.2	158.2	134.7	143.4	-	
500	58.8	128.6	140.9	106.9	132.4	140.9	55.4	57.9	-	106.9	128.6	140.9	132.4	140.9	-	
538	29.5	74.5	92.2	68.6	122.1	125.5	29.5	29.5	-	68.6	74.5	92.2	122.1	125.5	-	
550	-	63.5	78.2	60.2	117.8	124.9	-	-	-	60.2	63.5	78.2	117.8	124.9	-	
575	-	44.0	52.6	44.4	104.2	119.7	-	-	-	44.4	44.0	52.6	104.2	119.7	-	
600	-	30.5	34.4	31.2	84.4	99.5	-	-	-	31.2	30.5	34.4	84.4	99.5	-	
625	-	21.3	22.3	20.0	68.9	79.1	-	-	-	20.0	21.3	22.3	68.9	79.1	-	
650	-	14.2	14.2	11.8	56.3	63.3	-	-	-	11.8	14.2	14.2	56.3	63.3	-	
675	-	-	-	-	46.7	51.6	-	-	-	-	-	-	46.7	51.6	-	
700	-	-	-	-	40.1	41.9	-	-	-	-	-	-	40.1	41.9	-	
725	-	-	-	-	33.8	34.9	-	-	-	-	-	-	-	-	-	
750	-	-	-	-	28.9	29.3	-	-	-	-	-	-	-	-	-	
775	-	-	-	-	22.8	22.8	-	-	-	-	-	-	-	-	-	
800	-	-	-	-	17.4	17.4	-	-	-	-	-	-	-	-	-	
816	-	-	-	-	14.1	14.1	-	-	-	-	-	-	-	-	-	

# PRESSURE/TEMPERATURE RATINGS

## ASME B16.34 VALVES

### ASME CLASS 2500 PRESSURE/TEMPERATURE RATINGS FOR VALVES (U.S. UNITS)

Service temp °F	Working pressure (psig) - Cast materials								Working pressure (psig) - Forged materials						
	ASTM A216 WCB	ASTM A217 WC6	ASTM A217 WC9	ASTM A217 C5	ASTM A351 CF8 ASTM A351 CF3	ASTM A351 CF8M ASTM A351 CF3M	ASTM A352 LCB	ASTM A352 LCC	A105 & A350						
	F5	F11	F22	F304	F316	F304L	-LF2	F5	F11	F22	F304	F316	F304L		
-20 to 100	6170	6250	6250	6250	6000	6000	5785	6250	6170	6250	6250	6250	6000	6000	5000
200	5625	6250	6250	6205	5000	5160	5470	6250	5625	6205	6250	6250	5000	5160	4220
300	5470	6015	6070	5965	4500	4660	5315	6070	5470	5965	6015	6070	4500	4660	3780
400	5280	5775	5880	5880	4140	4280	5145	5880	5280	5880	5775	5880	4140	4280	3440
500	4990	5540	5540	5540	3880	3980	4850	5540	4990	5540	5540	5540	3880	3980	3180
600	4560	5040	5040	5040	3640	3760	4440	5040	4560	5040	5040	5040	3640	3760	3000
650	4475	4905	4905	4905	3580	3700	4355	4905	4475	4905	4905	4905	3580	3700	2920
700	4440	4730	4730	4730	3540	3620	4320	4730	4440	4730	4730	4730	3540	3620	2860
750	4200	4430	4430	4400	3460	3560	3945	4200	4200	4400	4430	4430	3460	3560	2800
800	3430	4230	4230	4230	3360	3520	3260	3430	3430	4230	4230	4230	3360	3520	2740
850	2230	4060	4060	4030	3300	3480	2230	2230	2230	4030	4060	4060	3300	3480	2680
900	1430	3745	3745	3085	3240	3460	1430	1430	1430	3085	3745	3745	3240	3460	-
950	860	2655	3145	2285	3180	3220	860	860	-	2285	2655	3145	3180	3220	-
1000	430	1800	2170	1655	2675	2915	430	430	-	1655	1800	2170	2675	2915	-
1050	260	1200	1455	1200	2570	2865	-	-	-	1200	1200	1455	2570	2865	-
1100	-	800	915	830	2145	2545	-	-	-	830	800	915	2145	2545	-
1150	-	515	570	515	1655	1970	-	-	-	515	515	570	1655	1970	-
1200	-	315	345	285	1285	1545	-	-	-	285	315	345	1285	1545	-
1250	-	-	-	-	945	1230	-	-	-	-	-	-	945	1230	-
1300	-	-	-	-	715	970	-	-	-	-	-	-	715	970	-
1350	-	-	-	-	515	800	-	-	-	-	-	-	-	-	-
1400	-	-	-	-	400	630	-	-	-	-	-	-	-	-	-
1450	-	-	-	-	285	485	-	-	-	-	-	-	-	-	-
1500	-	-	-	-	230	345	-	-	-	-	-	-	-	-	-

### ASME CLASS 2500 PRESSURE/TEMPERATURE RATINGS FOR VALVES (METRIC UNITS)

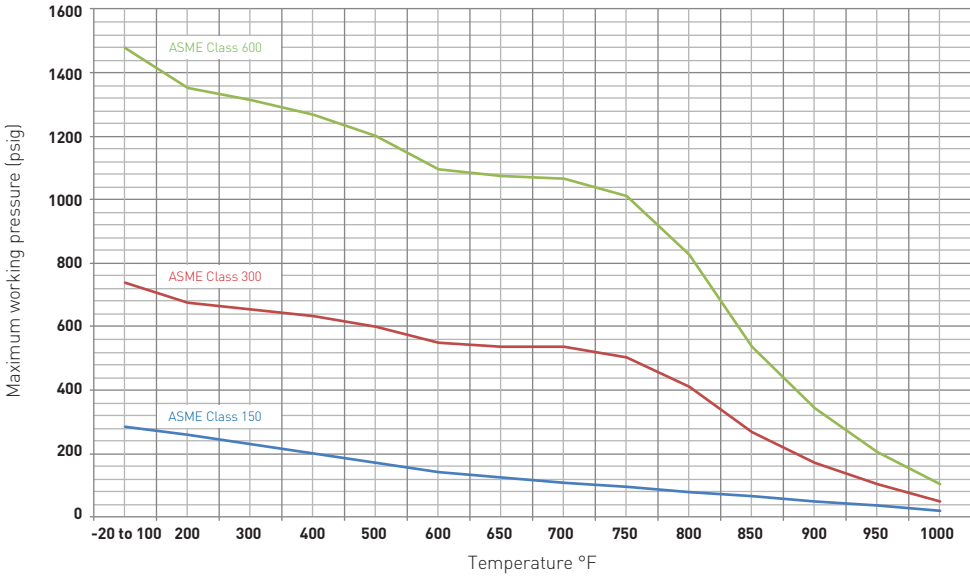
Service temp °C	Working pressure (bar) - Cast materials								Working pressure (bar) - Forged materials						
	ASTM A216 WCB	ASTM A217 WC6	ASTM A217 WC9	ASTM A217 C5	ASTM A351 CF8 ASTM A351 CF3	ASTM A351 CF8M ASTM A351 CF3M	ASTM A352 LCB	ASTM A352 LCC	A105 & A350						
	F5	F11	F22	F304	F316	F304L	-LF2	F5	F11	F22	F304	F316	F304L		
-29 to 38	425.5	430.9	430.9	430.9	413.7	413.7	400.1	430.9	425.5	430.9	430.9	430.9	413.7	413.7	344.7
50	417.7	430.9	430.9	430.9	398.5	400.9	395.6	430.9	417.7	430.9	430.9	430.9	398.5	400.9	333.5
100	388.3	429.0	429.4	429.4	340.4	351.6	377.8	429.4	388.3	429.4	429.0	429.4	340.4	351.6	289.9
150	375.6	414.5	418.2	418.2	308.4	320.8	366.1	418.1	375.6	418.2	414.5	418.2	308.4	320.8	261.6
200	365.0	399.6	405.4	405.4	287.3	297.2	354.4	405.4	365.0	405.4	399.6	405.4	287.3	297.2	243.0
250	349.5	386.2	386.2	386.2	270.7	278.1	339.8	386.2	349.5	386.2	386.2	386.2	270.7	278.1	228.9
300	331.8	357.1	357.1	357.1	257.6	263.5	322.4	357.1	331.8	357.1	357.1	357.1	257.6	263.5	217.2
325	322.6	344.3	344.3	344.3	251.9	257.4	313.1	344.3	322.6	344.3	344.3	344.3	251.9	257.4	212.3
350	313.0	335.3	335.3	335.3	246.9	252.7	303.3	335.3	313.0	335.3	335.3	335.3	246.9	252.7	208.9
375	303.1	323.2	323.2	323.2	241.9	249.0	291.4	315.3	303.1	323.2	323.2	323.2	241.9	249.0	206.3
400	289.3	304.9	304.9	304.9	237.0	245.3	271.9	289.3	289.3	304.9	304.9	304.9	237.0	245.3	202.5
425	239.7	291.6	291.6	291.6	233.3	242.9	227.5	239.7	239.7	291.6	291.6	291.6	233.3	242.9	198.8
450	191.7	281.8	281.8	281.8	228.4	240.4	179.9	191.7	191.7	281.8	281.8	281.8	228.4	240.4	195.1
475	145.3	263.9	263.9	232.1	224.5	238.9	130.6	142.4	145.3	232.1	263.9	263.9	224.5	238.9	-
500	97.9	214.4	235.0	178.2	220.7	235.0	92.3	96.5	-	178.2	214.4	235.0	220.7	235.0	-
538	49.2	124.1	153.7	114.3	203.6	208.9	49.2	49.2	-	114.3	124.1	153.7	203.6	208.9	-
550	-	105.9	130.3	100.4	196.3	208.0	-	-	-	100.4	105.9	130.3	196.3	208.0	-
575	-	73.4	87.7	74.0	173.7	199.5	-	-	-	74.0	73.4	87.7	173.7	199.5	-
600	-	50.9	57.4	51.9	140.7	165.9	-	-	-	51.9	50.9	57.4	140.7	165.9	-
625	-	35.5	37.2	33.3	114.9	131.8	-	-	-	33.3	35.5	37.2	114.9	131.8	-
650	-	23.6	23.6	19.7	93.8	105.5	-	-	-	19.7	23.6	23.6	93.8	105.5	-
675	-	-	-	-	77.9	86.0	-	-	-	-	-	-	77.9	86.0	-
700	-	-	-	-	66.9	69.8	-	-	-	-	-	-	66.9	69.8	-
725	-	-	-	-	56.3	58.2	-	-	-	-	-	-	-	-	-
750	-	-	-	-	48.1	48.9	-	-	-	-	-	-	-	-	-
775	-	-	-	-	38.0	38.0	-	-	-	-	-	-	-	-	-
800	-	-	-	-	29.2	29.2	-	-	-	-	-	-	-	-	-
816	-	-	-	-	23.8	23.8	-	-	-	-	-	-	-	-	-



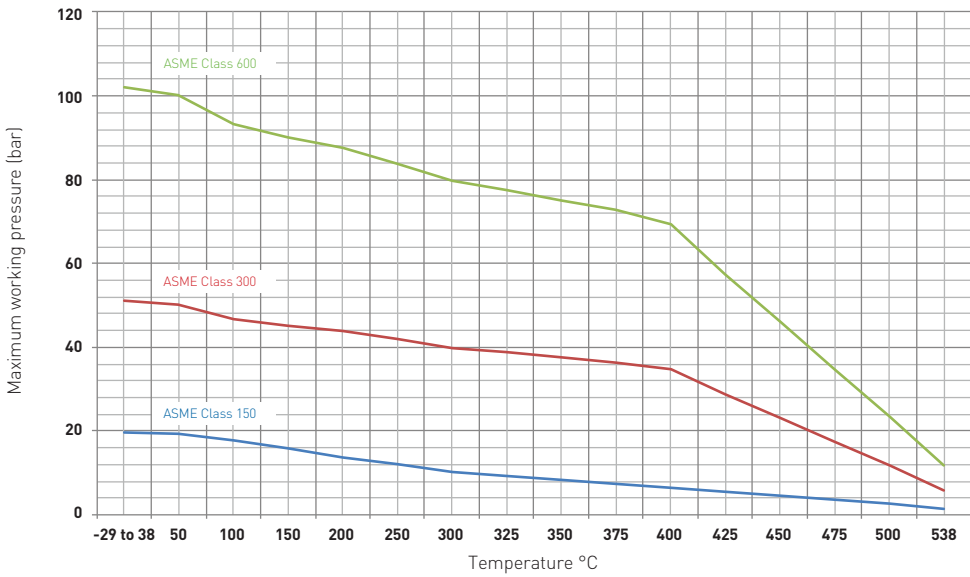
# PRESSURE/TEMPERATURE RATINGS

## ASME B16.34 VALVES

PRESSURE TEMPERATURE RATING FOR CAST ASTM A216 WCB - U.S. UNITS



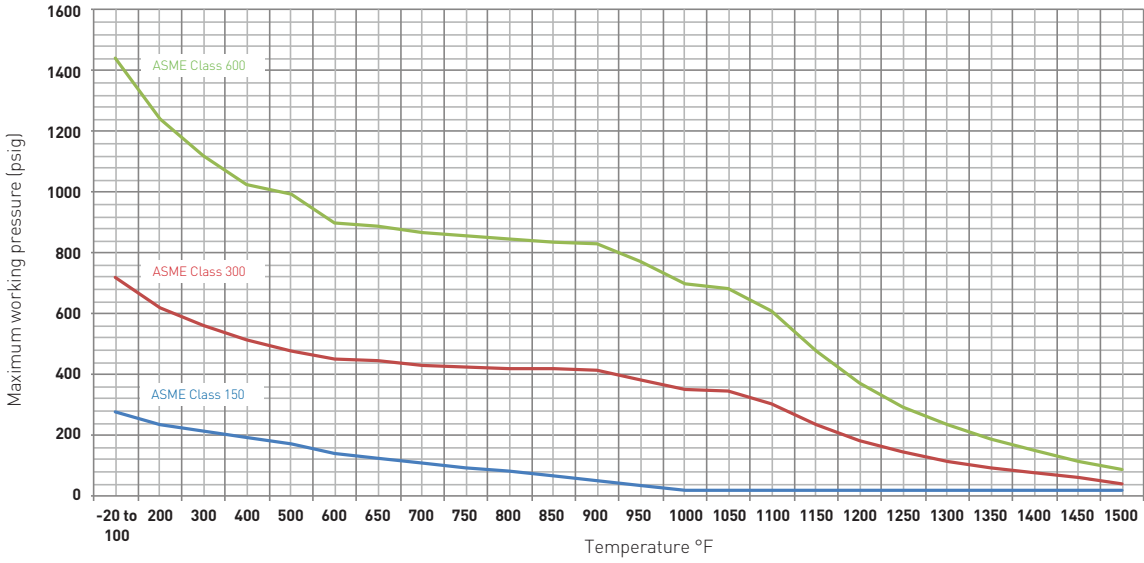
PRESSURE TEMPERATURE RATING FOR CAST ASTM A216 WCB - METRIC UNITS



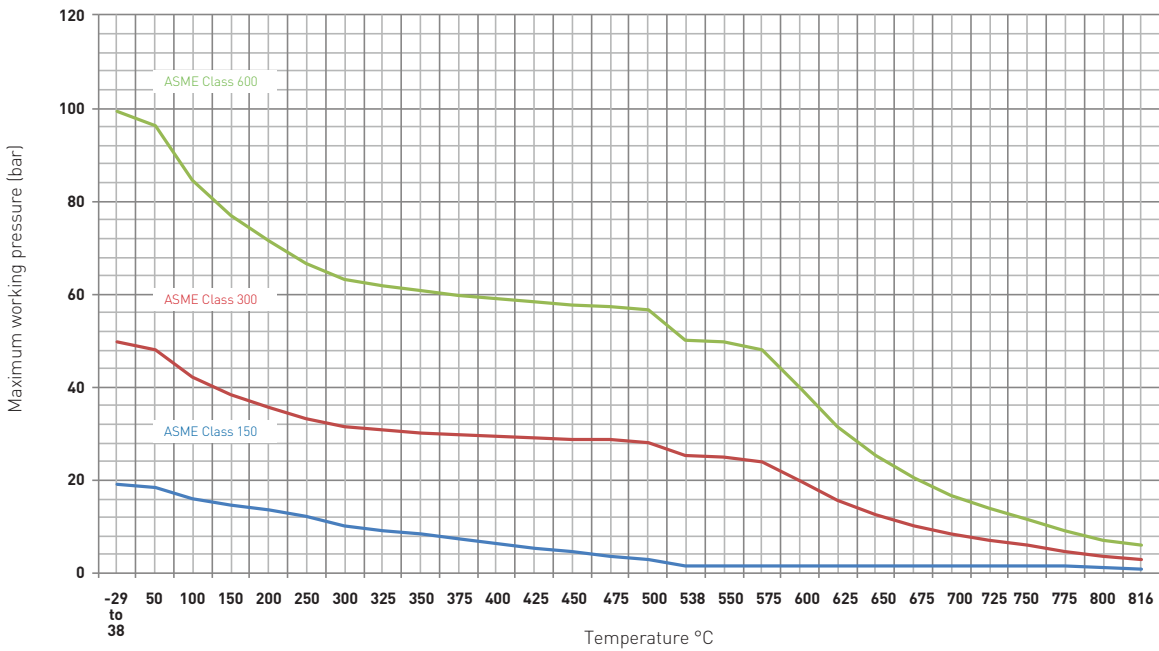
# PRESSURE/TEMPERATURE RATINGS

## ASME B16.34 VALVES

PRESSURE TEMPERATURE RATING FOR CAST ASTM A351 CF8M, ASTM A351 CF3M - U.S. UNITS



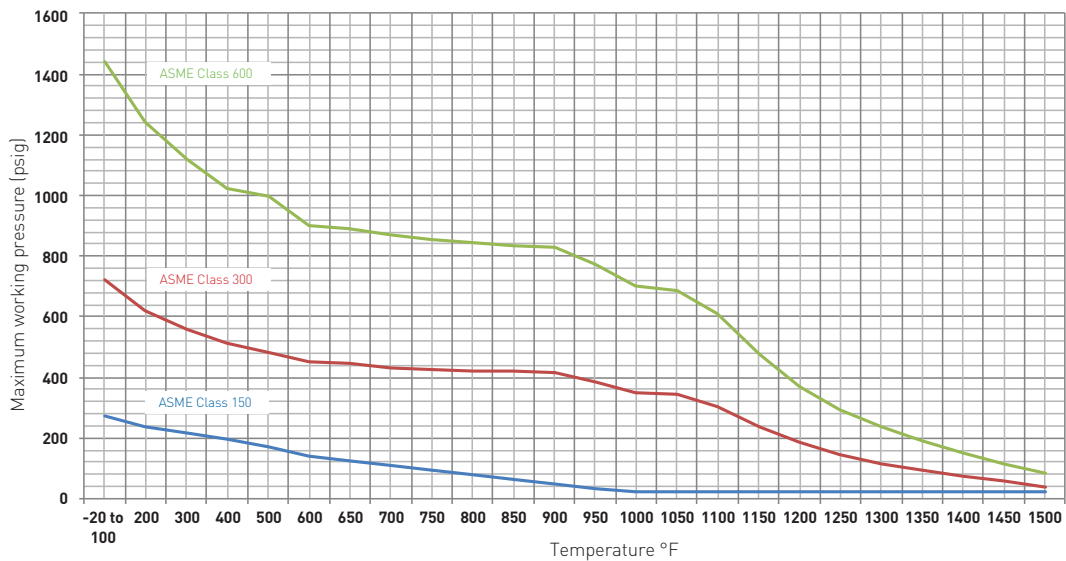
PRESSURE TEMPERATURE RATING FOR CAST ASTM A351 CF8M, ASTM A351 CF3M - METRIC UNITS



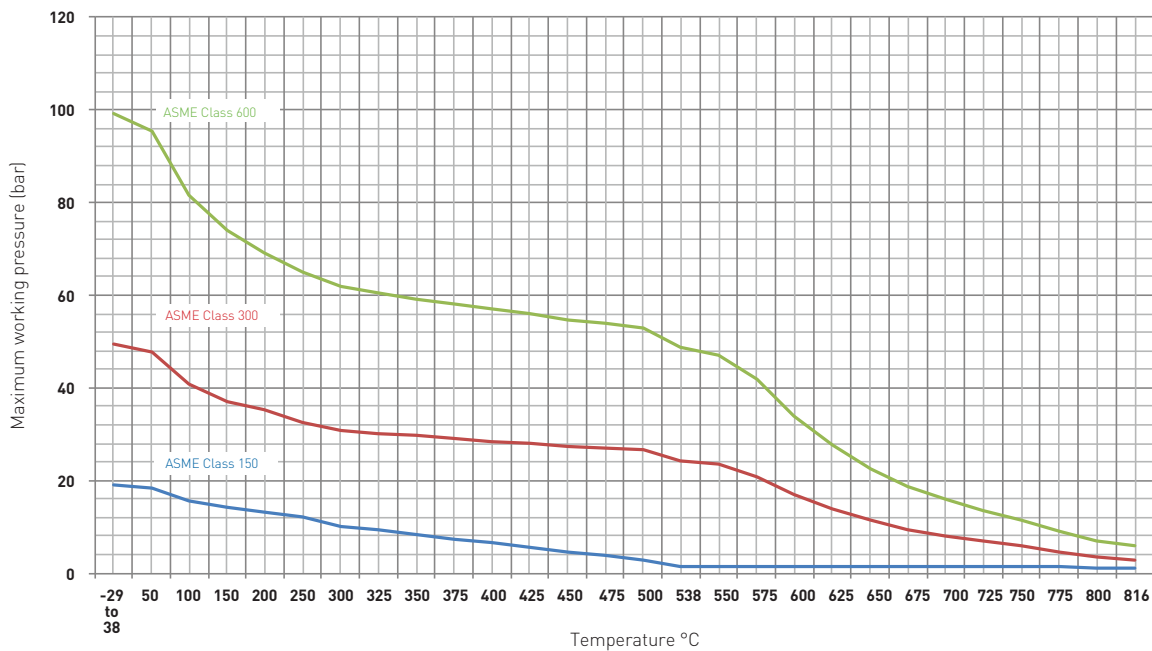
# PRESSURE/TEMPERATURE RATINGS

## ASME B16.34 VALVES

PRESSURE TEMPERATURE RATING FOR CAST ASTM A351 CF8, ASTM A351 CF3M - U.S. UNITS



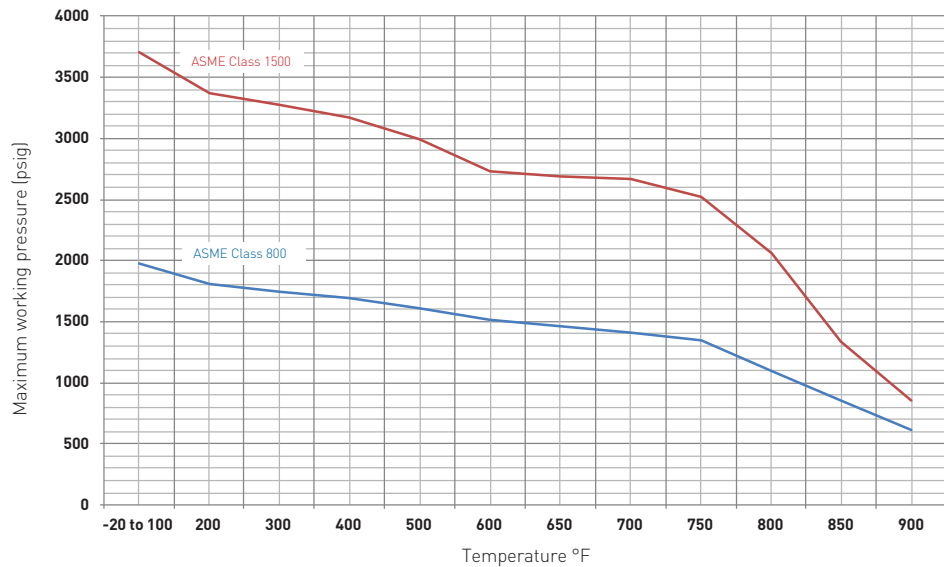
PRESSURE TEMPERATURE RATING FOR CAST ASTM A351 CF8, ASTM A351 CF3 - METRIC UNITS



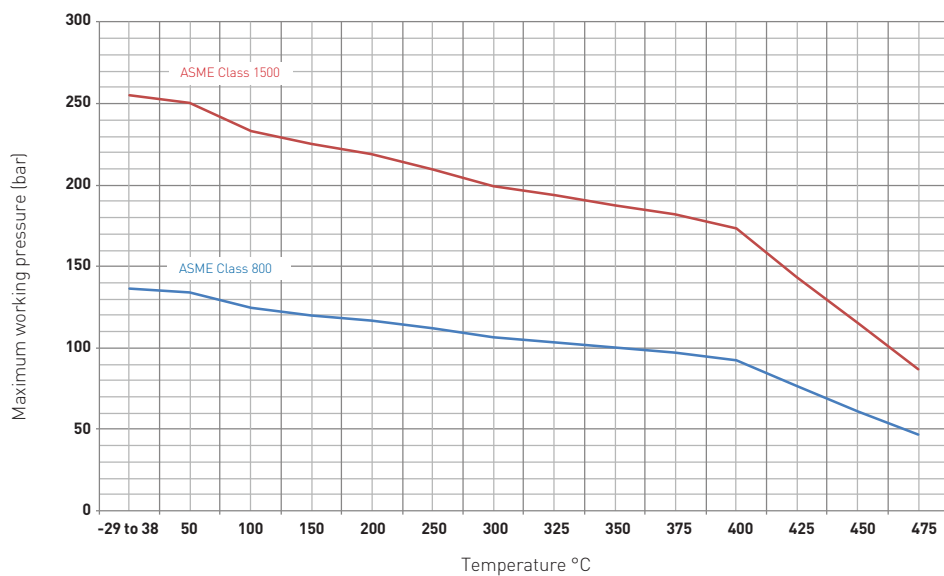
# PRESSURE/TEMPERATURE RATINGS

## ASME B16.34 VALVES

PRESSURE TEMPERATURE RATING FOR FORGED A105 & A350-LF2 - U.S. UNITS



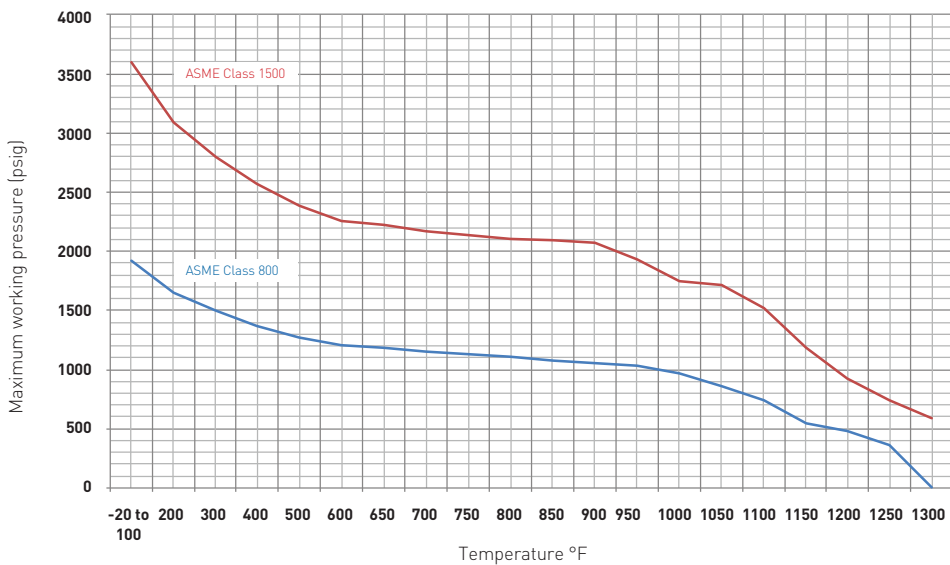
PRESSURE TEMPERATURE RATING FOR FORGED A105 & A350-LF2 - METRIC UNITS



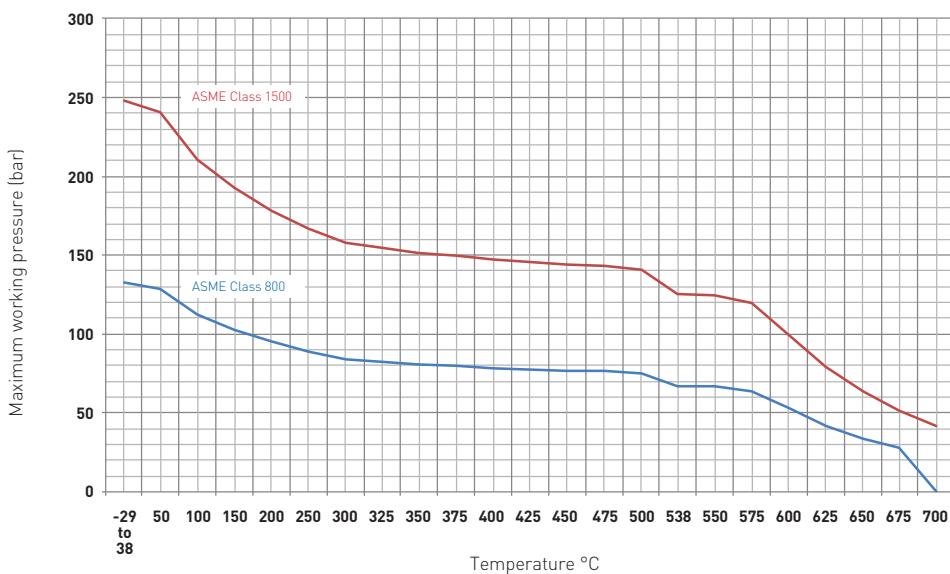
# PRESSURE/TEMPERATURE RATINGS

## ASME B16.34 VALVES

### PRESSURE TEMPERATURE RATING FOR FORGED A182 F316 - U.S. UNITS



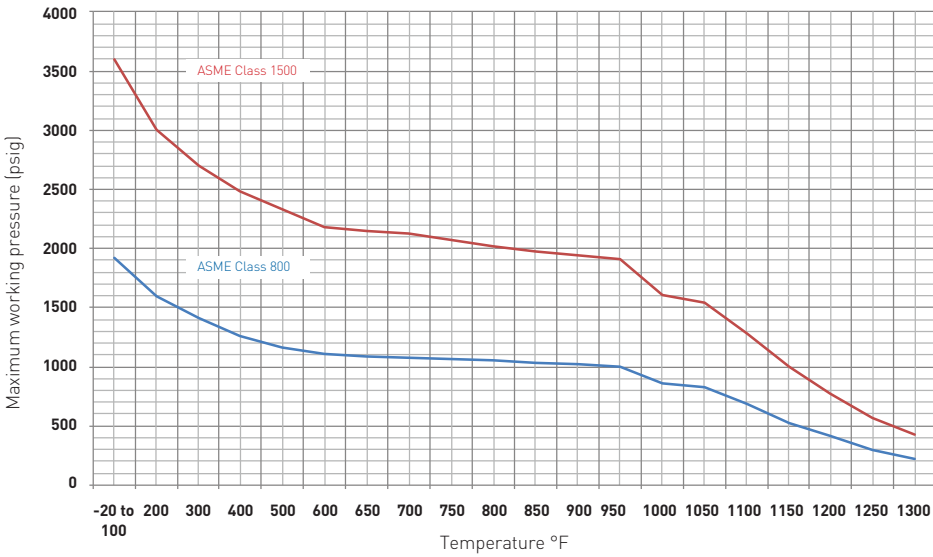
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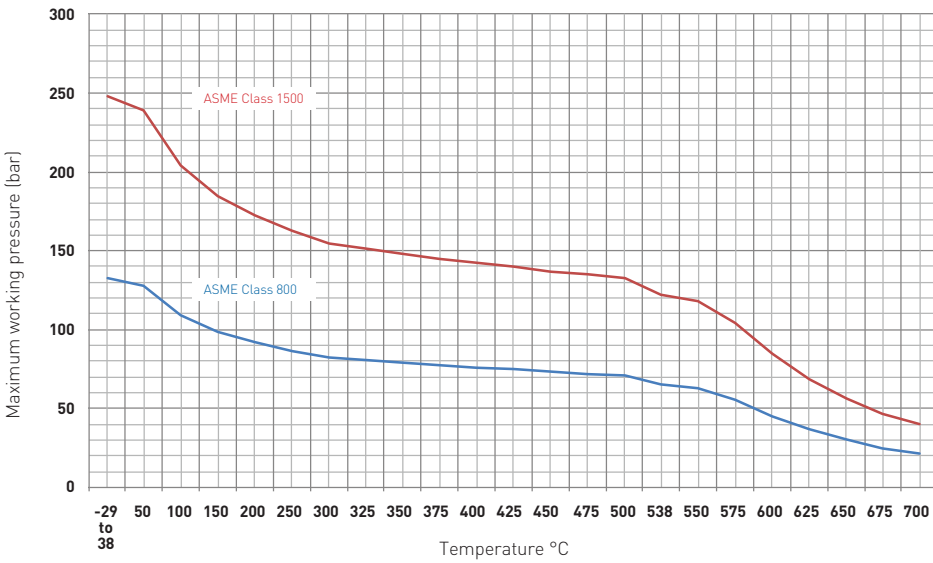
# PRESSURE/TEMPERATURE RATINGS

## ASME B16.34 VALVES

PRESSURE TEMPERATURE RATING FOR FORGED A182 F304 - U.S. UNITS



PRESSURE TEMPERATURE RATING FOR FORGED A182 F304 - METRIC UNITS





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