

ASME B16.34 PRESSURE / TEMPERATURE RATINGS
 MAXIMUM NON-SHOCK WORKING PRESSURES (Standard Class), BAR.

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Temperature °C		MAXIMUM NON-SHOCK WORKING PRESSURES (Standard Class), BAR.																									
		150lb SERIES			300lb SERIES			600lb SERIES			900lb SERIES			1500lb SERIES			2500lb SERIES										
		ASTM A105	ASTM A352	ASTM A105	ASTM A217	ASTM A350	ASTM A105	ASTM A216	ASTM A352	ASTM A105	ASTM A217	ASTM A350	ASTM A105	ASTM A216	ASTM A352	ASTM A105	ASTM A217	ASTM A350	ASTM A105	ASTM A216	ASTM A352						
-29 to 38	19.6	19.6	19.8	19.6	51.1	51.1	51.7	51.1	51.7	102.1	103.4	102.1	103.4	155.1	155.1	155.3	255.3	255.3	258.6	255.3	258.6	425.5	425.5	430.9	425.5	430.9	
50	19.2	19.2	19.5	19.2	50.1	50.1	51.7	50.1	51.7	100.2	100.2	103.4	100.2	103.4	150.4	155.1	150.4	230.0	233.0	257.6	233.0	257.6	417.7	417.7	430.9	417.7	430.9
100	17.7	17.7	17.7	17.7	46.6	46.6	51.5	46.6	51.5	93.2	93.2	103.0	93.2	103.0	139.8	139.8	139.8	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4
150	15.8	15.8	15.8	15.8	45.1	45.1	45.1	45.1	45.1	90.2	90.2	100.3	90.2	100.3	135.2	135.2	135.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2
200	13.8	13.8	13.8	13.8	43.8	43.8	43.8	43.8	43.8	87.6	87.6	97.2	87.6	97.2	131.4	131.4	131.4	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9
250	12.1	12.1	12.1	12.1	41.9	41.9	41.9	41.9	41.9	83.9	83.9	92.7	83.9	92.7	125.8	125.8	125.8	139.0	139.0	139.0	139.0	139.0	139.0	139.0	139.0	139.0	139.0
300	10.2	10.2	10.2	10.2	39.8	39.8	39.8	39.8	39.8	85.7	85.7	95.6	85.7	95.6	119.5	119.5	119.5	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6
350	8.4	8.4	8.4	8.4	37.6	37.6	37.6	37.6	37.6	75.1	75.1	85.7	75.1	85.7	112.7	112.7	112.7	120.7	120.7	120.7	120.7	120.7	120.7	120.7	120.7	120.7	120.7
400	6.5	6.5	6.5	6.5	34.7	34.7	34.7	34.7	34.7	69.4	69.4	80.4	69.4	80.4	104.2	104.2	104.2	109.8	109.8	109.8	109.8	109.8	109.8	109.8	109.8	109.8	109.8
450	-	-	-	-	4.6	4.6	-	-	-	33.7	33.7	-	-	-	-	-	-	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4
500	-	-	-	-	2.8	2.8	-	-	-	25.7	25.7	-	-	-	-	-	-	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
538	-	-	-	-	1.4	1.4	-	-	-	14.9	14.9	-	-	-	-	-	-	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7

Temperature °C		MAXIMUM NON-SHOCK WORKING PRESSURES (Standard Class), BAR.																							
		150lb SERIES			300lb SERIES			600lb SERIES			900lb SERIES			1500lb SERIES			2500lb SERIES								
		ASTM A351	ASTM A351	ASTM A351	ASTM A351	ASTM A351	ASTM A351	ASTM A351	ASTM A351	ASTM A351	ASTM A351	ASTM A351	ASTM A351	ASTM A351	ASTM A351	ASTM A351	ASTM A351	ASTM A351	ASTM A351	ASTM A351					
-29 to 38	19.0	19.0	20.0	20.0	49.6	49.6	51.7	51.7	51.7	99.3	99.3	103.4	103.4	148.9	148.9	155.1	155.1	248.2	248.2	258.6	258.6	413.7	413.7	430.9	430.9
50	18.4	18.7	19.5	19.5	48.1	48.1	51.7	51.7	51.7	96.2	97.5	103.4	103.4	144.3	146.3	155.1	155.1	240.6	243.8	258.6	258.6	400.9	406.4	430.9	430.9
100	16.2	17.4	17.7	17.7	42.2	45.3	50.7	50.7	51.5	84.4	90.6	101.3	103.0	126.6	135.9	152.0	152.0	211.0	226.5	253.3	253.3	351.6	377.4	422.2	429.4
150	14.8	15.8	15.8	15.8	38.5	42.5	45.9	45.9	45.9	77.0	84.9	91.9	100.3	115.5	127.4	137.8	137.8	192.5	212.4	229.6	229.6	320.8	353.9	382.7	418.2
200	13.7	13.8	13.8	13.8	35.7	39.9	42.7	42.7	42.7	71.3	79.9	85.3	96.7	107.0	119.8	128.0	128.0	178.3	199.7	213.3	213.3	241.7	297.2	332.8	355.4
250	12.1	12.1	12.1	12.1	33.4	37.8	40.5	40.5	40.5	66.8	75.6	80.9	92.7	100.1	113.4	121.4	121.4	166.9	189.1	202.3	202.3	231.8	278.1	315.1	337.2
300	10.2	10.2	10.2	10.2	31.6	36.1	38.9	38.9	38.9	63.2	72.2	77.7	85.7	94.9	108.3	116.6	116.6	158.1	180.4	194.3	194.3	214.4	263.5	300.7	323.8
350	8.4	8.4	-	-	8.4	30.3	34.8	-	-	60.7	69.5	-	-	80.4	91.0	104.3	-	120.7	151.6	173.8	-	201.1	252.7	289.6	-
400	6.5	6.5	-	-	6.5	29.4	33.9	-	-	58.9	67.8	-	-	73.3	88.3	101.7	-	109.8	147.2	169.5	-	183.1	245.3	282.6	-
450	4.6	4.6	-	-	4.6	28.8	33.5	-	-	57.7	66.9	-	-	67.7	86.5	100.4	-	101.4	144.2	167.3	-	169.0	240.4	278.8	-
500	2.8	2.8	-	-	2.8	28.2	28.2	-	-	56.5	56.5	-	-	56.5	84.7	84.7	-	84.7	140.9	140.9	-	140.9	235.0	235.0	-
538	1.4	1.4	-	-	1.4	25.2	25.2	-	-	50.0	50.0	-	-	50.0	75.2	75.2	-	75.2	125.5	125.5	-	125.5	208.9	208.9	-

(*) Extrapolations from materials with similar CRN/IMO content
 All valves are hydrostatically shell and seat pressure tested to API 598 Shell test: 1.5 x CWP // Seat test: 1.1 x CWP.