

Material pressure-temperature rating

Temperature (°C)	A216 WCB, A105, A350 LF2												
	PN 6	PN 10	PN 16	CLASS 150	PN 25	PN 40	CLASS 300	PN 63	PN 100	CLASS 600	CLASS 900	CLASS 1500	CLASS 2500
Room temperature	6.05	10.08	16.1	20.2	25.2	40.3	51.1	63.5	100.8	102.1	153.2	255.3	425.5
50	5.93	9.88	15.8	19.8	24.7	39.5	50.1	62.2	98.8	100.1	150.2	250.3	417.2
100	5.49	9.15	14.6	18.3	22.9	36.6	46.4	57.7	91.5	92.7	139.1	231.8	386.4
150	5.35	8.92	14.3	17.8	22.3	35.7	45.2	56.2	89.2	90.4	135.6	226.1	376.8
200	5.19	8.65	13.8	17.3	21.6	34.6	43.8	54.5	86.5	87.6	131.4	219.0	365.1
250	4.94	8.23	13.2	16.5	20.6	32.9	41.7	51.9	82.3	83.4	125.1	208.5	347.6
300	4.59	7.64	12.2	15.3	19.1	30.6	38.7	48.1	76.4	77.4	116.2	193.6	322.7
350	4.38	7.28	11.7	14.6	18.2	29.2	37.0	45.9	72.9	73.9	110.9	184.8	307.9
375	4.32	7.20	11.5	14.4	18.0	28.8	36.5	45.3	72.0	72.9	109.4	182.3	303.8
400	4.08	6.81	10.9	13.6	17.0	27.2	34.5	42.9	68.1	69.0	103.5	172.5	287.4
425	3.40	4.67	9.1	11.3	14.2	22.7	28.7	35.7	56.7	57.5	86.2	143.7	239.6
450	2.37	3.95	6.3	7.9	9.9	15.8	20.0	24.9	39.5	40.1	60.1	100.1	166.9
475	1.60	2.67	4.3	5.3	6.7	10.7	13.5	16.8	26.7	27.1	40.6	67.7	112.8
500	1.04	1.74	2.8	3.5	4.3	6.9	8.8	10.9	17.4	17.6	26.4	44.0	73.3
525	0.61	1.02	1.6	2.0	2.6	4.1	5.2	6.4	10.2	10.4	15.5	25.9	43.1
540	0.39	0.64	1.0	1.3	1.6	2.6	3.3	4.1	6.4	6.5	9.8	16.3	27.2

Temperature (°C)	A216 WCC, A352 LCC, A352 LC2, A352 LC3, A350 LF3												
	PN 6	PN 10	PN 16	CLASS 150	PN 25	PN 40	CLASS 300	PN 63	PN 100	CLASS 600	CLASS 900	CLASS 1500	CLASS 2500
Room temperature	6.12	10.21	16.3	20.4	25.5	40.8	51.7	64.3	102.1	103.4	155.1	258.5	430.9
50	6.12	10.21	16.3	20.4	25.5	40.8	51.7	64.3	102.1	103.4	155.1	258.5	430.9
100	6.10	10.17	16.3	20.3	25.4	40.7	51.5	64.1	101.7	103.1	154.6	257.6	429.4
150	5.94	9.90	15.8	19.8	24.8	39.6	50.2	62.4	99.0	100.4	150.5	250.9	418.1
200	5.78	9.63	15.4	19.3	24.1	38.5	48.8	60.6	96.3	97.5	146.3	243.9	406.4
250	5.49	9.14	14.6	18.3	22.9	36.6	46.3	57.6	91.4	92.6	139.0	231.6	386.0
300	5.07	8.46	13.5	16.9	21.1	33.8	42.9	53.3	84.6	85.7	128.6	214.3	357.1
350	4.76	7.94	12.7	15.9	19.8	31.8	40.2	50.0	79.4	80.4	120.7	201.1	335.2
375	4.56	7.60	12.2	15.2	19.0	30.4	38.5	47.9	76.0	77.1	115.6	192.7	321.1
400	4.08	6.81	10.9	13.6	17.0	27.2	34.5	42.9	68.1	69.0	103.5	172.5	287.4
425	3.40	5.67	9.1	11.3	14.2	22.7	28.7	35.7	56.7	57.5	86.2	143.7	239.6
450	2.37	3.95	6.3	7.9	9.9	15.8	20.0	24.9	39.5	40.1	60.1	100.1	166.9
475	1.60	2.67	4.3	5.3	6.7	10.7	13.5	16.8	26.7	27.1	40.6	67.7	112.8
500	1.04	1.74	2.8	3.5	4.3	6.9	8.8	10.9	17.4	17.6	26.4	44.0	73.3
525	0.61	1.02	1.6	2.0	2.6	4.1	5.2	6.4	10.2	10.4	15.5	25.9	43.1
540	0.39	0.64	1.0	1.3	1.6	2.6	3.3	4.1	6.4	6.5	9.8	16.3	27.2

Temperature (°C)	A352 LCB												
	PN 6	PN 10	PN 16	CLASS 150	PN 25	PN 40	CLASS 300	PN 63	PN 100	CLASS 600	CLASS 900	CLASS 1500	CLASS 2500
Room temperature	5.67	9.45	15.1	18.9	23.6	37.8	47.9	59.5	94.5	95.7	143.6	239.3	398.9
50	5.60	9.33	14.9	18.7	23.3	37.3	47.3	58.8	93.3	94.6	141.9	236.5	394.1
100	5.34	8.90	14.2	17.8	22.2	35.6	45.1	56.1	89.0	90.2	135.3	225.5	375.8
150	5.20	8.67	13.9	17.3	21.7	34.7	43.9	54.6	86.7	87.9	131.8	219.7	366.2
200	5.05	8.42	13.5	16.8	21.1	33.7	42.7	53.0	84.2	85.3	128.0	213.3	355.5
250	4.80	8.01	12.8	16.0	20.0	32.0	40.6	50.4	80.1	81.1	121.7	202.9	338.1
300	4.46	7.44	11.9	14.9	18.6	29.8	37.7	46.9	74.4	75.4	113.1	188.4	314.1
350	4.26	7.10	11.4	14.2	17.7	28.4	36.0	44.7	71.0	71.9	107.9	179.8	299.6
375	4.18	6.97	11.1	13.9	17.4	27.9	35.3	43.9	69.7	70.6	105.9	176.5	294.2
400	3.84	6.39	10.2	12.8	16.0	25.6	32.4	40.3	63.9	64.8	97.2	162.0	270.0
425	3.23	5.39	8.6	10.8	13.5	21.5	27.3	33.9	53.9	54.6	81.9	136.4	227.4
450	2.34	3.91	6.3	7.8	9.8	15.6	19.8	24.6	39.1	39.6	59.4	99.0	165.0
475	1.60	2.67	4.3	5.3	6.7	10.7	13.5	16.8	26.7	27.1	40.6	67.7	112.8
500	1.04	1.74	2.8	3.5	4.3	6.9	8.8	10.9	17.4	17.6	26.4	44.0	73.3
525	0.61	1.02	1.6	2.0	2.6	4.1	5.2	6.4	10.2	10.4	15.5	25.9	43.1
540	0.39	0.64	1.0	1.3	1.6	2.6	3.3	4.1	6.4	6.5	9.8	16.3	27.2

Material pressure-temperature rating

Temperature (°C)	A217 WC6, A182 F11, A182 F12												
	PN 6	PN 10	PN 16	CLASS 150	PN 25	PN 40	CLASS 300	PN 63	PN 100	CLASS 600	CLASS 900	CLASS 1500	CLASS 2500
Room temperature	6.12	10.21	16.3	20.4	25.5	40.8	51.7	64.3	102.1	103.4	155.1	258.5	430.9
50	6.12	10.21	16.3	20.4	25.5	40.8	51.7	64.3	102.1	103.4	155.1	258.5	430.9
100	6.10	10.16	16.3	20.3	25.4	40.6	51.5	64.0	101.6	103.0	154.4	257.4	429.0
150	5.89	9.82	15.7	19.6	24.5	39.3	49.7	61.9	98.2	99.5	149.2	248.7	414.5
200	5.68	9.47	15.1	18.9	23.7	37.9	48.0	59.6	94.7	95.9	143.9	239.8	399.6
250	5.47	9.11	14.6	18.2	22.8	36.4	46.2	57.4	91.1	92.3	138.5	230.8	384.7
300	5.07	8.46	13.5	16.9	21.1	33.8	42.9	53.3	84.6	85.7	128.6	214.3	357.1
350	4.76	7.94	12.7	15.9	19.8	31.8	40.2	50.0	79.4	80.4	120.7	201.1	335.2
375	4.59	7.66	12.3	15.3	19.1	30.6	38.8	48.2	76.6	77.6	116.4	194.0	323.3
400	4.33	7.22	11.5	14.4	18.0	28.9	36.6	45.5	72.2	73.1	109.7	182.9	304.8
425	4.15	6.92	11.1	13.8	17.3	27.7	35.1	43.6	69.2	70.2	105.3	175.4	292.4
450	4.00	6.67	10.7	13.3	16.7	26.7	33.8	42.0	66.7	67.6	101.4	169.0	281.6
475	3.75	6.25	10.0	12.5	15.6	25.0	31.7	39.4	62.5	63.3	95.0	158.3	263.8
500	2.99	4.98	8.0	10.0	12.4	19.9	25.2	31.4	49.8	50.4	75.7	126.1	210.2
525	2.15	3.58	5.7	7.2	9.0	14.3	18.2	22.6	35.8	36.3	54.5	90.8	151.3
540	1.50	2.51	4.0	5.0	6.3	10.0	12.7	15.8	25.1	25.4	38.1	63.5	105.9
575	1.04	1.74	2.8	3.5	4.3	6.9	8.8	10.9	17.4	17.6	26.4	44.0	73.4
600	0.72	1.19	1.9	2.4	3.0	4.8	6.1	7.5	11.9	12.1	18.2	30.3	50.4

Temperature (°C)	A217 WC9, A182 F22												
	PN 6	PN 10	PN 16	CLASS 150	PN 25	PN 40	CLASS 300	PN 63	PN 100	CLASS 600	CLASS 900	CLASS 1500	CLASS 2500
Room temperature	6.12	10.21	16.3	20.4	25.5	40.8	51.7	64.3	102.1	103.4	155.1	258.5	430.9
50	6.12	10.21	16.3	20.4	25.5	40.8	51.7	64.3	102.1	103.4	155.1	258.5	430.9
100	6.10	10.17	16.3	20.3	25.4	40.7	51.5	64.1	101.7	103.1	154.6	257.6	429.4
150	5.94	9.90	15.8	19.8	24.8	39.6	50.2	62.4	99.0	100.4	150.5	250.9	418.1
200	5.78	9.63	15.4	19.3	24.1	38.5	48.8	60.6	96.3	97.5	146.3	243.9	406.4
250	5.49	9.14	14.6	18.3	22.9	36.6	46.3	57.6	91.4	92.6	139.0	231.0	386.0
300	5.07	8.46	13.5	16.9	21.1	33.8	42.9	53.3	84.6	85.7	128.6	214.3	357.1
350	4.76	7.94	12.7	15.9	19.8	31.8	40.2	50.0	79.4	80.4	120.7	201.1	335.2
375	4.59	7.66	12.3	15.3	19.1	30.6	38.8	48.2	76.6	77.6	116.4	194.0	323.3
400	4.33	7.22	11.5	14.4	18.0	28.9	36.6	45.5	72.2	73.1	109.7	182.9	304.8
425	4.15	6.92	11.1	13.8	17.3	27.7	35.1	43.6	69.2	70.2	105.3	175.4	292.4
450	4.00	6.67	10.7	13.3	16.7	26.7	33.8	42.0	66.7	67.6	101.4	169.0	281.6
475	3.75	6.25	10.0	12.5	15.6	25.0	31.7	39.4	62.5	63.3	95.0	158.3	263.8
500	3.29	5.49	8.8	11.0	13.7	21.9	27.8	34.6	54.9	55.6	83.4	139.0	231.6
525	2.57	4.28	6.8	8.6	10.7	17.1	21.7	26.9	42.8	43.3	65.0	108.3	180.5
540	1.82	3.03	4.9	6.1	7.6	12.1	15.4	19.1	30.3	30.7	46.1	76.8	128.0
575	1.25	2.08	3.3	4.2	5.2	8.3	10.5	13.1	20.8	21.1	31.6	52.6	87.7
600	0.82	1.36	2.2	2.7	3.4	5.4	6.9	8.6	13.6	13.8	20.7	34.4	57.4

Temperature (°C)	A217 C5, A182 F5, A182 F5a												
	PN 6	PN 10	PN 16	CLASS 150	PN 25	PN 40	CLASS 300	PN 63	PN 100	CLASS 600	CLASS 900	CLASS 1500	CLASS 2500
Room temperature	6.12	10.21	16.3	20.4	25.5	40.8	51.7	64.3	102.1	103.4	155.1	258.5	430.9
50	6.11	10.19	16.3	20.4	25.5	40.8	51.6	64.2	101.9	103.3	154.9	258.1	430.2
100	6.05	10.09	16.1	20.2	25.2	40.3	51.1	63.5	100.9	102.2	153.3	255.5	425.9
150	5.84	9.74	15.6	19.5	24.3	39.0	49.3	61.4	97.4	98.7	148.0	246.7	411.2
200	5.77	9.61	15.4	19.2	24.0	38.5	48.7	60.6	96.1	97.4	146.1	243.5	405.9
250	5.49	9.14	14.6	18.3	22.9	36.6	46.3	57.6	91.4	92.6	139.0	231.6	386.0
300	5.07	8.46	13.5	16.9	21.1	33.8	42.9	53.3	84.6	85.7	128.6	214.3	357.1
350	4.76	7.94	12.7	15.9	19.8	31.8	40.2	50.0	79.4	80.4	120.7	201.1	335.2
375	4.59	7.65	12.2	15.3	19.1	30.6	38.8	48.2	76.5	77.5	116.3	193.8	323.0
400	4.30	7.17	11.5	14.3	17.9	28.7	36.3	45.2	71.7	72.7	109.0	181.7	302.9
425	4.15	6.92	11.1	13.8	17.3	27.7	35.1	43.6	69.2	70.1	105.2	175.4	292.3
450	3.98	6.63	10.6	13.3	16.6	26.5	33.6	41.8	66.3	67.2	100.8	168.0	280.0
475	3.26	5.44	8.7	10.9	13.6	21.8	27.6	34.3	54.4	55.1	82.7	137.8	229.7
500	2.52	4.20	6.7	8.4	10.5	16.8	21.3	26.5	42.0	42.6	63.9	106.5	177.4
525	1.91	3.18	5.1	6.4	7.9	12.7	16.1	20.0	31.8	32.2	48.3	80.5	134.2
540	1.43	2.38	3.8	4.8	5.9	9.5	12.0	15.0	23.8	24.1	36.1	60.2	100.4
575	1.05	1.75	2.8	3.5	4.4	7.0	8.9	11.0	17.5	17.8	26.7	44.4	74.0
600	0.74	1.23	2.0	2.5	3.1	4.9	6.2	7.7	12.3	12.5	18.7	31.2	50.4

Material pressure-temperature rating

Temperature (°C)	A217 C12, A182 F9												
	PN 6	PN 10	PN 16	CLASS 150	PN 25	PN 40	CLASS 300	PN 63	PN 100	CLASS 600	CLASS 900	CLASS 1500	CLASS 2500
Room temperature	6.12	10.21	16.3	20.4	25.5	40.8	51.7	64.3	102.1	103.4	155.1	258.5	430.9
50	6.12	10.21	16.3	20.4	25.5	40.8	51.7	64.3	102.1	103.4	155.1	258.5	430.9
100	6.10	10.17	16.3	20.3	25.4	40.7	51.5	64.1	101.7	103.1	154.6	257.6	429.4
150	5.94	9.90	15.8	19.8	24.8	39.6	50.2	62.4	99.0	100.4	150.5	250.9	418.1
200	5.78	9.63	15.4	19.3	24.1	38.5	48.8	60.6	96.3	97.5	146.3	243.9	406.4
250	5.49	9.14	14.6	18.3	22.9	36.6	46.3	57.6	91.4	92.6	139.0	231.6	386.0
300	5.07	8.46	13.5	16.9	21.1	33.8	42.9	53.3	84.6	85.7	128.6	214.3	357.1
350	4.76	7.94	12.7	15.9	19.8	31.8	40.2	50.0	79.4	80.4	120.7	201.1	335.2
375	4.59	7.66	12.3	15.3	19.1	30.6	38.8	48.2	76.6	77.6	116.4	194.0	323.3
400	4.33	7.22	11.5	14.4	18.0	28.9	36.6	45.5	72.2	73.1	109.7	182.9	304.8
425	4.15	6.92	11.1	13.8	17.3	27.7	35.1	43.6	69.2	70.2	105.3	175.4	292.4
450	4.00	6.67	10.7	13.3	16.7	26.7	33.8	42.0	66.7	67.6	101.4	169.0	281.6
475	3.75	6.25	10.0	12.5	15.6	25.0	31.7	39.4	62.5	63.3	95.0	158.3	263.8
500	3.29	5.49	8.8	11.0	13.7	21.9	27.8	34.6	54.9	55.6	83.4	139.0	231.6
525	2.54	4.23	6.8	8.5	10.6	16.9	21.4	26.6	42.3	42.8	64.2	107.0	178.4
540	1.78	2.96	4.7	5.9	7.4	11.8	15.0	18.6	29.6	30.0	45.0	75.0	125.0
575	1.24	2.06	3.3	4.1	5.2	8.3	10.5	13.0	20.6	20.9	31.4	52.3	87.1
600	0.85	1.42	2.3	2.8	3.5	5.7	7.2	8.9	14.2	14.4	21.5	35.9	59.8

Temperature (°C)	A351 CF3, A351 CF8, A182 F304												
	PN 6	PN 10	PN 16	CLASS 150	PN 25	PN 40	CLASS 300	PN 63	PN 100	CLASS 600	CLASS 900	CLASS 1500	CLASS 2500
Room temperature	5.88	9.80	15.7	19.6	24.5	39.2	49.6	61.7	98.0	99.3	148.9	248.2	413.7
50	5.66	9.44	15.1	18.9	23.6	37.8	47.8	59.5	94.4	95.6	143.5	239.1	398.5
100	4.84	8.07	12.9	16.1	20.2	32.3	40.9	50.8	80.7	81.7	122.6	204.4	340.6
150	4.40	7.34	11.7	14.7	18.3	29.3	37.2	46.2	73.4	74.3	111.5	185.9	309.8
200	4.08	6.81	10.9	13.6	17.0	27.2	34.5	42.9	68.1	69.0	103.5	172.5	287.4
250	3.85	6.41	10.3	12.8	16.0	25.6	32.5	40.4	64.1	65.0	97.5	162.4	270.7
300	3.63	6.05	9.7	12.1	15.1	24.2	30.7	38.1	60.5	61.3	92.0	153.4	255.6
350	3.50	5.83	9.3	11.7	14.6	23.3	29.5	36.7	58.3	59.1	88.6	147.7	246.2
375	3.46	5.76	9.2	11.5	14.4	23.0	29.2	36.3	57.6	58.4	87.6	146.0	243.3
400	3.39	5.64	9.0	11.3	14.1	22.6	28.6	35.6	56.4	57.2	85.8	143.0	238.3
425	3.30	5.50	8.8	11.0	13.7	22.0	27.8	34.6	55.0	55.7	83.5	139.2	232.1
450	3.24	5.40	8.6	10.8	13.5	21.6	27.4	34.0	54.0	54.8	82.1	136.9	228.2
475	3.19	5.32	8.5	10.6	13.3	21.3	26.9	33.5	53.2	53.9	80.8	134.7	224.5
500	3.14	5.23	8.4	10.5	13.1	20.9	26.5	32.9	52.3	53.0	79.5	132.4	220.7
525	2.85	4.75	7.6	9.5	11.9	19.0	24.1	29.9	47.5	48.1	72.2	120.3	200.4
540	2.58	4.29	6.9	8.6	10.7	17.2	21.8	27.0	42.9	43.5	65.3	108.8	181.3
575	2.38	3.96	6.3	7.9	9.9	15.8	20.1	25.0	39.6	40.1	60.2	100.3	167.2
600	1.99	3.31	5.3	6.6	8.3	13.2	16.8	20.8	33.1	33.5	50.3	83.8	139.7

Temperature (°C)	A351 CF3M, A351 CF8M, A182 F316												
	PN 6	PN 10	PN 16	CLASS 150	PN 25	PN 40	CLASS 300	PN 63	PN 100	CLASS 600	CLASS 900	CLASS 1500	CLASS 2500
Room temperature	5.88	9.80	15.7	19.6	24.5	39.2	49.6	61.7	98.0	99.3	148.9	248.2	413.7
50	5.70	9.50	15.2	19.0	23.7	38.0	48.1	59.8	95.0	96.2	144.3	240.6	400.9
100	5.00	8.33	13.3	16.7	20.8	33.3	42.2	52.5	83.3	84.4	126.6	211.0	351.6
150	4.56	7.60	12.2	15.2	19.0	30.4	38.5	47.9	76.0	77.0	115.5	192.5	320.8
200	4.22	7.04	11.3	14.1	17.6	28.2	35.7	44.3	70.4	71.3	107.0	178.3	297.2
250	3.95	6.59	10.5	13.2	16.5	26.3	33.4	41.5	65.9	66.8	100.1	166.9	278.1
300	3.74	6.24	10.0	12.5	15.6	25.0	31.6	39.3	62.4	63.2	94.9	158.1	263.5
350	3.61	6.01	9.6	12.0	15.0	24.0	30.5	37.9	60.1	60.9	91.4	152.3	253.8
375	3.54	5.90	9.4	11.8	14.7	23.6	29.9	37.2	59.0	59.8	89.6	149.4	249.0
400	3.49	5.81	9.3	11.6	14.5	23.2	29.4	36.6	58.1	58.9	88.3	147.2	245.3
425	3.45	5.75	9.2	11.5	14.5	23.0	29.1	36.2	57.5	58.3	87.4	145.7	242.9
450	3.42	5.69	9.1	11.4	14.2	22.8	28.8	35.9	56.9	57.7	86.5	144.2	240.4
475	3.40	5.66	9.1	11.3	14.1	22.6	28.7	35.6	56.6	57.3	86.0	143.3	238.9
500	3.24	5.40	8.6	10.8	13.5	21.6	27.4	34.0	54.0	54.7	82.1	136.8	228.0
525	2.99	4.99	8.0	10.0	12.5	20.0	25.3	31.4	49.9	50.6	75.8	126.4	210.6
540	2.83	4.72	7.6	9.4	11.8	18.9	23.9	29.7	47.2	47.8	71.8	119.6	199.4
575	2.70	4.50	7.2	9.0	11.2	18.0	22.8	28.3	45.0	45.6	68.4	113.9	189.9