

# PRESSURE TEMPERATURE CHART

## at Sea Level

**RED (in of Hg) = Vacuum**    **BLACK (psig) = Vapor**    **BOLD (psig) = Liquid**

°F	R-12	R-22	R-134a	R-401A MP-39	R-402A HP-80	R-404A HP-62	R-407C VAPOR	R-407C LIQUID	R-408A	R-409A	R-410A	R-502	R-507A AZ-50
-50	15.5	6.1	18.7	17.9	1.1	0.1	11.0	2.7	2.0	18.7	4.9	0.8	0.9
-48	14.6	4.8	18.0	17.2	1.9	0.7	9.8	1.2	0.5	18.0	5.9	0.3	1.7
-46	13.8	3.4	17.3	16.4	2.8	1.6	8.6	0.2	0.6	17.2	7.0	1.1	2.6
-44	12.9	1.9	16.5	15.6	3.7	2.4	7.4	1.0	1.4	16.5	8.2	2.0	3.5
-42	12.0	0.4	15.7	14.7	4.7	3.4	6.0	1.9	2.2	15.6	9.4	2.8	4.4
-40	11.0	0.6	14.8	13.8	5.7	4.3	4.6	2.7	3.1	14.8	10.7	3.7	5.4
-38	10.0	1.4	13.9	12.9	6.8	5.3	3.2	3.7	4.0	13.9	12.0	4.6	6.4
-36	8.9	2.2	13.0	11.9	7.8	6.3	1.7	4.6	5.0	13.0	13.3	5.6	7.5
-34	7.9	3.1	12.0	10.9	9.0	7.4	0.1	5.6	5.9	12.0	14.7	6.6	8.6
-32	6.7	4.0	10.9	9.8	10.1	8.5	0.8	6.6	7.0	11.0	16.2	7.7	9.8
-30	5.5	4.9	9.8	8.7	11.4	9.6	1.6	7.7	8.0	9.9	17.7	8.7	10.9
-28	4.3	5.9	8.7	7.5	12.6	10.8	2.5	8.8	9.1	8.8	19.3	9.8	12.2
-26	3.0	6.9	7.5	6.3	13.9	12.0	3.4	10.0	10.3	7.6	20.9	11.0	13.5
-24	1.7	8.0	6.3	5.0	15.3	13.3	4.4	11.2	11.5	6.4	22.6	12.2	14.8
-22	0.3	9.1	5.0	3.6	16.7	14.6	5.4	12.4	12.7	5.1	24.4	13.5	16.2
-20	0.5	10.2	3.7	2.2	18.2	16.0	6.5	13.7	14.0	3.8	26.2	14.7	17.6
-18	1.3	11.4	2.3	0.8	19.7	17.4	7.5	15.1	15.3	2.4	28.1	16.1	19.1
-16	2.0	12.6	0.8	0.3	21.2	18.9	8.7	16.5	16.7	1.0	30.0	17.4	20.6
-14	2.8	13.9	0.3	1.1	22.9	20.4	9.9	17.9	18.1	0.3	32.0	18.9	22.2
-12	3.6	15.2	1.1	1.9	24.5	22.0	11.1	19.4	19.6	1.0	34.1	20.3	23.8
-10	4.5	16.5	1.9	2.8	26.3	23.6	12.3	20.9	21.1	1.8	36.3	21.9	25.5
-8	5.3	17.9	2.8	3.6	28.0	25.3	13.7	22.5	22.7	2.6	38.5	23.4	27.2
-6	6.2	19.4	3.6	4.5	29.9	27.0	15.0	24.2	24.3	3.5	40.8	25.1	29.0
-4	7.2	20.9	4.6	5.4	31.8	28.8	16.4	25.9	26.0	4.4	43.2	26.7	30.9
-2	8.1	22.4	5.5	6.4	33.8	30.7	17.9	27.7	27.7	5.3	45.7	28.4	32.8
0	9.1	24.0	6.5	7.4	35.8	32.6	19.4	29.5	29.5	6.3	48.2	30.2	34.8
2	10.1	25.7	7.5	8.5	37.9	34.6	21.0	31.4	31.3	7.3	50.8	32.1	36.8
4	11.2	27.4	8.5	9.5	40.0	36.6	22.6	33.3	33.2	8.3	53.5	34.0	38.9
6	12.3	29.1	9.6	10.7	42.3	38.7	24.3	35.3	35.2	9.4	56.3	35.9	41.1
8	13.4	31.0	10.8	11.8	44.6	40.9	26.1	37.4	37.2	10.5	59.2	37.9	43.3
10	14.6	32.8	11.9	13.0	46.9	43.1	27.9	39.5	39.3	11.6	62.2	40.0	45.7
12	15.8	34.8	13.1	14.2	49.4	45.4	29.7	41.7	41.4	12.8	65.2	42.1	48.0
14	17.0	36.8	14.4	15.5	51.9	47.8	31.7	44.0	43.6	14.0	68.4	44.3	50.5
16	18.3	38.8	15.7	16.9	54.4	50.2	33.7	46.3	45.9	15.3	71.6	46.5	53.0
18	19.6	40.9	17.0	18.2	57.1	52.7	35.7	48.7	48.2	16.6	74.9	48.9	55.6
20	21.0	43.1	18.4	19.6	59.8	55.3	37.9	51.2	50.6	18.0	78.4	51.2	58.2
22	22.4	45.3	19.9	21.1	62.6	58.0	40.1	53.8	53.1	19.4	81.9	53.7	61.0
24	23.8	47.6	21.3	22.6	65.5	60.7	42.3	56.4	55.7	20.8	85.5	56.2	63.8
26	25.3	50.0	22.9	24.2	68.5	63.5	44.7	59.1	58.3	22.3	89.2	58.8	66.7
28	26.8	52.4	24.5	25.8	71.5	66.4	47.1	61.9	61.0	23.9	93.1	61.4	69.6
30	28.4	55.0	26.1	27.4	74.7	69.3	49.6	64.7	63.7	25.5	97.0	64.2	72.7
32	30.0	57.5	27.8	29.1	77.9	72.4	52.1	67.7	66.6	27.1	101.1	67.0	75.8
34	31.6	60.2	29.5	30.9	81.2	75.5	54.8	70.7	69.5	28.8	105.2	69.8	79.0
36	33.3	62.9	31.3	32.7	84.6	78.7	57.5	73.8	72.5	30.5	109.5	72.8	82.3
38	35.1	65.7	33.1	34.6	88.0	82.0	60.3	77.0	75.6	32.3	113.9	75.8	85.7
40	36.9	68.6	35.0	36.5	91.6	85.4	63.2	80.2	78.7	34.2	118.4	78.9	89.2
42	38.7	71.5	37.0	38.5	95.3	88.8	66.1	83.6	81.9	36.1	123.0	82.1	92.7
44	40.6	74.5	39.0	40.5	99.0	92.4	69.2	87.0	85.3	38.0	127.7	85.4	96.4
46	42.6	77.6	41.1	42.6	102.9	96.0	72.3	90.6	88.7	40.1	132.6	88.7	100.1
48	44.6	80.8	43.2	44.8	106.8	99.8	75.5	94.2	92.2	42.1	137.5	92.1	104.0
50	46.6	84.1	45.4	47.0	110.8	103.6	78.8	97.9	95.7	44.3	142.6	95.6	107.9
52	48.7	87.4	47.7	60.4	115.0	107.5	82.2	101.7	99.4	46.5	147.9	99.2	111.9
54	50.8	90.8	50.0	63.0	119.2	111.6	85.7	105.6	103.1	48.7	153.2	102.9	116.1
56	53.1	94.4	52.4	65.7	123.6	115.7	89.3	109.6	107.0	51.1	158.7	106.6	120.3
58	55.3	98.0	54.9	68.4	128.0	119.9	93.0	113.7	110.9	53.4	164.4	110.5	124.6
60	57.6	101.6	57.4	71.2	132.6	124.2	96.8	117.9	115.0	55.9	170.1	114.4	129.1
62	60.0	105.4	60.0	74.1	137.2	128.7	100.7	122.3	119.1	58.4	176.0	118.5	133.6
64	62.4	109.3	62.7	77.0	142.0	133.2	104.7	126.7	123.3	61.0	182.1	122.6	138.3
66	64.9	113.2	65.4	80.0	146.9	137.8	108.8	131.2	127.6	63.6	188.3	126.8	143.0
68	67.5	117.3	68.2	83.1	151.9	142.6	113.0	135.8	132.0	66.4	194.6	131.1	147.9
70	70.1	121.4	71.1	86.3	157.0	147.4	117.3	140.5	136.6	69.2	201.1	135.5	152.9
72	72.7	125.7	74.1	89.5	162.2	152.4	121.7	145.4	141.2	72.0	207.7	140.0	157.9
74	75.4	130.0	77.1	92.8	167.5	157.5	126.2	150.3	145.9	75.0	214.5	144.7	163.1
76	78.2	134.5	80.2	96.2	173.0	162.7	130.9	155.4	150.8	78.0	221.4	149.4	168.5
78	81.1	139.0	83.4	99.7	178.5	168.0	135.6	160.5	155.7	81.1	228.5	154.2	173.9
80	84.0	143.6	86.7	103.2	184.2	173.4	140.5	165.8	160.8	84.2	235.8	159.1	179.5
82	87.0	148.4	90.0	106.8	190.1	179.0	145.5	171.2	165.9	87.5	243.2	164.1	185.1
84	90.0	153.2	93.5	110.6	196.0	184.6	150.6	176.8	171.2	90.8	250.7	169.2	190.9
86	93.2	158.2	97.0	114.4	202.1	190.4	155.9	182.4	176.6	94.2	258.5	174.5	196.9
88	96.3	163.2	100.6	118.2	208.3	196.4	161.2	188.2	182.1	97.7	266.4	179.8	202.9
90	99.6	168.4	104.3	122.2	214.6	202.4	166.7	194.1	187.7	101.3	274.5	185.3	209.1
92	102.9	173.7	108.1	126.2	221.1	208.6	172.3	200.1	193.5	104.9	282.7	190.8	215.4
94	106.3	179.1	112.0	130.4	227.7	214.9	178.1	206.3	199.3	108.7	291.2	196.5	221.9
96	109.8	184.6	115.9	134.6	234.4	221.3	184.0	212.5	205.3	112.5	299.8	202.3	228.5
98	113.3	190.2	120.0	138.9	241.3	227.9	190.0	219.0	211.4	116.4	308.6	208.2	235.2
100	116.9	195.9	124.2	143.3	248.3	234.6	196.1	225.5	217.6	120.4	317.6	214.3	242.1
102	120.6	201.8	128.4	147.8	255.5	241.5	202.4	232.2	224.0	124.5	326.7	220.4	249.1
104	124.4	207.7	132.7	152.4	262.8	248.5	208.9	239.0	230.5	128.7	336.1	226.7	256.2
106	128.2	213.8	137.2	157.1	270.2	255.6	215.4	245.9	237.1	133.0	345.7	233.1	263.5
108	132.1	220.0	141.7	161.9	277.8	262.9	222.2	253.0	243.9	137.3	355.4	239.6	271.0
110	136.1	226.4	146.4	166.8	285.6	270.4	229.0	260.3	250.7	141.8	365.4	246.3	278.6
112	140.2	232.8	151.1	171.8	293.5	278.0	236.1	267.6	257.8	146.4	375.5	253.0	286.3
114	144.3	239.4	156.0	176.8	301.6	285.7	243.3	275.1	264.9	151.1	385.9	260.0	294.2
116	148.6	246.1	160.9	182.0	309.8	293.6	250.6	282.8	272.2	155.8	396.5	267.0	302.3
118	152.9	253.0	166.0	187.3	318.2	301.7	258.1	290.6	279.7	160.7	407.3	274.2	310.5
120	157.3	260.0	171.2	192.7	326.7	309.9	265.8	298.6	287.2	165.7	418.3	281.5	318.9
122	161.8	267.1	176.5	198.2	335.5	318.3	273.6	306.7	295.0	170.8	429.5	288.9	327.5
124	166.3	274.3	181.8	203.8	344.3	326.8	281.6	315.0	302.9	176.0	441.0	296.5	336.2
126	171.0	281.7	187.4	209.5	353.4	335.5	289.8	323.4	310.9	181.3	452.7	304.3	345.1
128	175.7	289.2	193.0	215.3	362.6	344.4	298.1	332.0	319.1	186.7	464.6	312.1	354.2
130	180.5	296.9	198.7	221.2	372.0	353.5	306.6	340.7	327.4</				