

# 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-407A Vapor	R-407A Liquid	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	9.0	0.8	0.1	11.0	2.7	2.0	18.7	4.9	0.8	0.9
-48	14.6	4.8	18.0	7.7	0.4	0.7	9.8	1.2	0.5	18.0	5.9	0.3	1.7
-46	13.8	3.4	17.3	6.4	1.2	1.6	8.6	0.2	0.6	17.2	7.0	1.1	2.6
-44	12.9	1.9	16.5	5.0	2.1	2.4	7.4	1.0	1.4	16.5	8.2	2.0	3.5
-42	12.0	0.4	15.7	3.6	3.0	3.4	6.0	1.9	2.2	15.6	9.4	2.8	4.4
-40	11.0	0.6	14.8	2.0	3.9	4.3	4.6	2.7	3.1	14.8	10.7	3.7	5.4
-38	10.0	1.4	13.9	0.4	4.9	5.3	3.2	3.7	4.0	13.9	12.0	4.6	6.4
-36	8.9	2.2	13.0	0.6	5.9	6.3	1.7	4.6	5.0	13.0	13.3	5.6	7.5
-34	7.9	3.1	12.0	1.4	7.0	7.4	0.1	5.6	5.9	12.0	14.7	6.6	8.6
-32	6.7	4.0	10.9	2.3	8.1	8.5	0.8	6.6	7.0	11.0	16.2	7.7	9.8
-30	5.5	4.9	9.8	3.3	9.2	9.6	1.6	7.7	8.0	9.9	17.7	8.7	10.9
-28	4.3	5.9	8.7	4.2	10.4	10.8	2.5	8.8	9.1	8.8	19.3	9.8	12.2
-26	3.0	6.9	7.5	5.2	11.6	12.0	3.4	10.0	10.3	7.6	20.9	11.0	13.5
-24	1.7	8.0	6.3	6.3	12.9	13.3	4.4	11.2	11.5	6.4	22.6	12.2	14.8
-22	0.3	9.1	5.0	7.4	14.2	14.6	5.4	12.4	12.7	5.1	24.4	13.5	16.2
-20	0.5	10.2	3.7	8.5	15.6	16.0	6.5	13.7	14.0	3.8	26.2	14.7	17.6
-18	1.3	11.4	2.3	9.7	17.0	17.4	7.5	15.1	15.3	2.4	28.1	16.1	19.1
-16	2.0	12.6	0.8	10.9	18.5	18.9	8.7	16.5	16.7	1.0	30.0	17.4	20.6
-14	2.8	13.9	0.3	12.2	20.0	20.4	9.9	17.9	18.1	0.3	32.0	18.9	22.2
-12	3.6	15.2	1.1	13.5	21.6	22.0	11.1	19.4	19.6	1.0	34.1	20.3	23.8
-10	4.5	16.5	1.9	14.9	23.2	23.6	12.3	20.9	21.1	1.8	36.3	21.9	25.5
-8	5.3	17.9	2.8	16.3	24.9	25.3	13.7	22.5	22.7	2.6	38.5	23.4	27.2
-6	6.2	19.4	3.6	17.8	26.6	27.0	15.0	24.2	24.3	3.5	40.8	25.1	29.0
-4	7.2	20.9	4.6	19.3	28.4	28.8	16.4	25.9	26.0	4.4	43.2	26.7	30.9
-2	8.1	22.4	5.5	20.9	30.3	30.7	17.9	27.7	27.7	5.3	45.7	28.4	32.8
0	9.1	24.0	6.5	22.5	32.2	32.6	19.4	29.5	29.5	6.3	48.2	30.2	34.8
2	10.1	25.7	7.5	24.2	34.2	34.6	21.0	31.4	31.3	7.3	50.8	32.1	36.8
4	11.2	27.4	8.5	26.0	36.3	36.6	22.6	33.3	33.2	8.3	53.5	34.0	38.9
6	12.3	29.1	9.6	27.8	38.4	38.7	24.3	35.3	35.2	9.4	56.3	35.9	41.1
8	13.4	31.0	10.8	29.7	40.6	40.9	26.1	37.4	37.2	10.5	59.2	37.9	43.3
10	14.6	32.8	11.9	31.6	42.8	43.1	27.9	39.5	39.3	11.6	62.2	40.0	45.7
12	15.8	34.8	13.1	33.6	45.1	45.4	29.7	41.7	41.4	12.8	65.2	42.1	48.0
14	17.0	36.8	14.4	35.7	47.5	47.8	31.7	44.0	43.6	14.0	68.4	44.3	50.5
16	18.3	38.8	15.7	37.8	50.0	50.2	33.7	46.3	45.9	15.3	71.6	46.5	53.0
18	19.6	40.9	17.0	40.0	52.5	52.7	35.7	48.7	48.2	16.6	74.9	48.9	55.6
20	21.0	43.1	18.4	42.3	55.1	55.3	37.9	51.2	50.6	18.0	78.4	51.2	58.2
22	22.4	45.3	19.9	44.7	57.8	58.0	40.1	53.8	53.1	19.4	81.9	53.7	61.0
24	23.8	47.6	21.3	47.1	60.6	60.7	42.3	56.4	55.7	20.8	85.5	56.2	63.8
26	25.3	50.0	22.9	49.6	63.4	63.5	44.7	59.1	58.3	22.3	89.2	58.8	66.7
28	26.8	52.4	24.5	52.2	66.3	66.4	47.1	61.9	61.0	23.9	93.1	61.4	69.6
30	28.4	55.0	26.1	54.8	69.3	69.3	49.6	64.7	63.7	25.5	97.0	64.2	72.7
32	30.0	57.5	27.8	57.6	72.4	72.4	52.1	67.7	66.6	27.1	101.1	67.0	75.8
34	31.6	60.2	29.5	60.4	75.6	75.5	54.8	70.7	69.5	28.8	105.2	69.8	79.0
36	33.3	62.9	31.3	63.3	78.8	78.7	57.5	73.8	72.5	30.5	109.5	72.8	82.3
38	35.1	65.7	33.1	66.3	82.2	82.0	60.3	77.0	75.6	32.3	113.9	75.8	85.7
40	36.9	68.6	35.0	69.4	85.6	85.4	63.2	80.2	78.7	34.2	118.4	78.9	89.2
42	38.7	71.5	37.0	72.5	89.1	88.8	66.1	83.6	81.9	36.1	123.0	82.1	92.7
44	40.6	74.5	39.0	75.8	92.8	92.4	69.2	87.0	85.3	38.0	127.7	85.4	96.4
46	42.6	77.6	41.1	79.1	96.5	96.0	72.3	90.6	88.7	40.1	132.6	88.7	100.1
48	44.6	80.8	43.2	82.6	100.3	99.8	75.5	94.2	92.2	42.1	137.5	92.1	104.0
50	46.6	84.1	45.4	86.1	104.2	103.6	78.8	97.9	95.7	44.1	142.6	95.6	107.9
52	48.7	87.4	47.7	89.7	108.2	107.5	82.2	101.7	99.4	46.1	147.9	99.2	111.9
54	50.8	90.8	50.0	93.4	112.3	111.6	85.7	105.6	103.1	48.1	153.2	102.9	116.1
56	53.1	94.4	52.4	97.3	116.5	115.7	89.3	109.6	107.0	50.1	158.7	106.6	120.3
58	55.3	98.0	54.9	101.2	120.8	119.9	93.0	113.7	110.9	52.1	164.4	110.5	124.6
60	57.6	101.6	57.4	105.2	125.2	124.2	96.8	117.9	115.0	54.1	170.1	114.4	129.1
62	60.0	105.4	60.0	109.3	129.7	128.7	100.7	122.3	119.1	56.1	176.0	118.5	133.6
64	62.4	109.3	62.7	113.6	134.3	133.2	104.7	126.7	123.3	58.1	182.1	122.6	138.3
66	64.9	113.2	65.4	117.9	139.0	137.8	108.8	131.2	127.6	60.1	188.3	126.8	143.0
68	67.5	117.3	68.2	122.4	143.9	142.6	113.0	135.8	132.0	62.1	194.6	131.1	147.9
70	70.1	121.4	71.1	127.0	148.8	147.4	117.3	140.5	136.6	64.1	201.1	135.5	152.9
72	72.7	125.7	74.1	131.7	153.9	152.4	121.7	145.4	141.2	66.1	207.7	140.0	157.9
74	75.4	130.0	77.1	136.5	159.1	157.5	126.2	150.3	145.9	68.1	214.5	144.7	163.1
76	78.2	134.5	80.2	141.4	164.4	162.7	130.9	155.4	150.8	70.1	221.4	149.4	168.5
78	81.1	139.0	83.4	146.4	169.8	168.0	135.6	160.5	155.7	72.1	228.5	154.2	173.9
80	84.0	143.6	86.7	151.6	175.3	173.4	140.5	165.8	160.8	74.1	235.8	159.1	179.5
82	87.0	148.4	90.0	156.9	181.0	179.0	145.5	171.2	165.9	76.1	243.2	164.1	185.1
84	90.0	153.2	93.5	162.3	186.7	184.6	150.6	176.8	171.2	78.1	250.7	169.2	190.9
86	93.2	158.2	97.0	167.8	192.6	190.4	155.9	182.4	176.6	80.1	258.5	174.5	196.9
88	96.3	163.2	100.6	173.5	198.7	196.4	161.2	188.2	182.1	82.1	266.4	179.8	202.9
90	99.6	168.4	104.3	179.3	204.8	202.4	166.7	194.1	187.7	84.1	274.5	185.3	209.1
92	102.9	173.7	108.1	185.3	211.1	208.6	172.3	200.1	193.5	86.1	282.7	190.8	215.4
94	106.3	179.1	112.0	191.4	217.6	214.9	178.1	206.3	199.3	88.1	291.2	196.5	221.9
96	109.8	184.6	115.9	197.6	224.1	221.3	184.0	212.5	205.3	90.1	299.8	202.3	228.5
98	113.3	190.2	120.0	203.9	230.8	227.9	190.0	219.0	211.4	92.1	308.6	208.2	235.2
100	116.9	195.9	124.2	210.4	237.6	234.6	196.1	225.5	217.6	94.1	317.6	214.3	242.1
102	120.6	201.8	128.4	217.1	244.6	241.5	202.4	232.2	224.0	96.1	326.7	220.4	249.1
104	124.4	207.7	132.7	223.9	251.7	248.5	208.9	239.0	230.5	98.1	336.1	226.7	256.2
106	128.2	213.8	137.2	230.9	259.0	255.6	215.4	245.9	237.1	100.1	345.7	233.1	263.5
108	132.1	220.0	141.7	238.0	266.4	262.9	222.2	253.0	243.9	102.1	355.4	239.6	271.0
110	136.1	226.4	146.4	245.2	273.9	270.4	229.0	260.3	250.7	104.1	365.4	246.3	278.6
112	140.2	232.8	151.1	252.7	281.6	278.0	236.1	267.6	257.8	106.1	375.5	253.0	286.3
114	144.3	239.4	156.0	260.2	289.5	285.7	243.3	275.1	264.9	108.1	385.9	260.0	294.2
116	148.6	246.1	160.9	268.0	297.5	293.6	250.6	282.8	272.2	110.1	396.5	267.0	302.3
118	152.9	253.0	166.0	275.9	305.6	301.7	258.1	290.6	279.7	112.1	407.3	274.2	310.5
120	157.3	260.0	171.2	284.0	314.0	309.9	265.8	298.6	287.2	114.1	418.3	281.5	318.9
122	161.8	267.1	176.5	292.3	322.4	318.3	273.6	306.7	295.0	116.1	429.5	288.9	327.5
124	166.3	274.3	181.8	300.7	331.1	326.8	281.6	315.0	302.9	118.1	441.0	296.5	336.2
126	171.0	281.7	187.4	309.3	339.9	335.5	289.8	323.4	310.9	120.1	452.7	304.3	345.1
128	175.7	289.2	193.0	318.1	348.8	344.4	298.1	332.0	319.1	122.1	464.6	312.1	354.2
130	180.5	296.9	198.7	327.1	357.9	353.5	306.6	340.7	327.4				