



RS-51 (R470B)



Pressure/Temperature Comparison

Values shown: "PSIG" / *Denotes "HG" (Mercury)

TEMPERATURE		RS-51 LIQUID BUBBLE PT.	RS-51 VAPOR DEW PT.	R404A Bold = Bubble Point	R507A
°F	°C	PSIG	PSIG	PSIG	PSIG
-50	-45.6	15.2	*15.4	*0.1	1.0
-48	-44.4	16.5	*14.7	0.7	1.7
-46	-43.3	18.0	*13.6	1.6	2.6
-44	-42.2	19.4	*12.6	2.4	3.5
-42	-41.1	20.9	*11.6	3.3	4.4
-40	-40.0	22.5	*10.6	4.3	5.4
-38	-38.9	24.1	*9.4	5.3	6.4
-36	-37.8	25.7	*8.1	6.3	7.5
-34	-36.7	27.5	*6.9	7.4	8.6
-32	-35.6	29.2	*5.5	8.5	9.8
-30	-34.4	31.0	*4.1	9.6	11
-28	-33.3	32.9	*2.6	10.8	12.2
-26	-32.2	34.8	*1.2	12.0	13.5
-24	-31.1	36.8	0.2	13.3	14.8
-22	-30.0	38.9	1.0	14.6	16.2
-20	-28.9	41.0	1.9	16.0	17.6
-18	-27.8	43.1	2.8	17.4	19.1
-16	-26.7	45.4	3.7	18.9	20.6
-14	-25.6	47.6	4.7	20.4	22.2
-12	-24.4	50.0	5.7	22.0	23.8
-10	-23.3	52.4	6.7	23.6	25.5
-8	-22.2	54.9	7.8	25.3	27.3
-6	-21.1	57.4	8.9	27.0	29.1
-4	-20.0	60.0	10.1	28.8	30.9
-2	-18.9	62.7	11.3	30.7	32.8
0	-17.8	65.5	12.5	32.6	34.8
2	-16.7	68.3	13.9	34.6	36.9
4	-15.6	71.2	15.2	36.6	39
6	-14.4	74.1	16.6	38.7	41.1
8	-13.3	77.1	18.1	40.9	43.4

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°F	°C	PSIG	PSIG	PSIG	PSIG
10	-12.2	80.3	19.6	43.1	45.7
12	-11.1	83.4	21.2	45.4	48.1
14	-10.0	86.7	22.8	47.8	50.5
16	-8.9	90.0	24.5	50.2	53
18	-7.8	93.4	26.2	52.7	55.6
20	-6.7	96.9	28.0	55.3	58.3
22	-5.6	100.5	29.8	57.9	61
24	-4.4	104.1	31.8	60.7	63.8
26	-3.3	107.9	33.7	63.5	66.7
28	-2.2	111.7	35.8	66.3	69.7
30	-1.1	115.6	37.9	69.3	72.7
32	0.0	119.5	40.1	72.3	75.9
34	1.1	123.6	42.3	75.5	79.1
36	2.2	127.7	44.6	78.7	82.4
38	3.3	132.0	47.0	82.0	85.8
40	4.4	136.3	49.5	85.3	89.2
42	5.6	140.7	52.1	88.8	92.8
44	6.7	145.2	54.7	92.4	96.5
46	7.8	149.8	57.4	96.0	100.2
48	8.9	154.5	60.2	99.8	104.1
50	10.0	159.2	63.0	103.6	108
52	11.1	164.1	66.0	107.5	112
54	12.2	169.1	69.0	111.5	116.2
56	13.3	174.1	72.1	115.7	120.4
58	14.4	179.3	75.3	119.9	124.8
60	15.6	184.5	78.6	124.2	129.2
62	16.7	189.8	82.0	128.6	133.7
64	17.8	195.3	85.5	133.2	138.4
66	18.9	200.8	89.1	137.8	143.1

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°F	°C	PSIG	PSIG	PSIG	PSIG
68	20.0	206.4	92.8	142.5	148
70	21.1	212.2	96.5	147.4	153
72	22.2	218.0	100.4	152.4	158.1
74	23.3	223.9	104.4	157.4	163.3
76	24.4	230.0	108.5	162.6	168.6
78	25.6	236.1	112.7	167.9	174.1
80	26.7	242.4	117.0	173.4	179.6
82	27.8	248.7	121.4	178.9	185.3
84	28.9	255.1	126.0	184.6	191.1
86	30.0	261.7	130.6	190.4	197.1
88	31.1	268.4	135.4	196.3	203.1
90	32.2	275.1	140.3	202.4	209.3
92	33.3	282.0	145.3	208.5	215.6
94	34.4	289.0	150.4	214.8	222.1
96	35.6	296.1	155.7	221.3	228.7
98	36.7	303.3	161.1	227.9	235.4
100	37.8	310.6	166.7	234.6	242.3
102	38.9	318.0	172.3	241.4	249.3
104	40.0	325.6	178.1	248.4	256.5
106	41.1	333.2	184.1	255.6	263.8
108	42.2	340.9	190.1	262.9	271.2
110	43.3	348.8	196.4	270.3	278.8
112	44.4	356.8	202.8	277.9	286.6
114	45.6	364.9	209.3	285.6	294.5
116	46.7	373.1	216.0	293.5	302.6
118	47.8	381.4	222.8	301.6	310.8
120	48.9	389.8	229.8	309.8	319.2
122	50.0	398.3	237.0	318.2	327.8
124	51.1	407.0	244.3	326.7	336.5

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°F	°C	PSIG	PSIG	PSIG	PSIG
126	52.2	415.7	251.8	335.4	345.4
128	53.3	424.6	259.5	344.3	354.5
130	54.4	433.6	267.4	353.4	363.8
132	55.6	442.7	275.4	362.7	373.2
134	56.7	451.9	283.6	372.1	382.9
136	57.8	461.2	292.1	381.7	392.7
138	58.9	470.6	300.7	391.6	402.7
140	60.0	480.2	309.5	401.6	413