



# RS-53 (R470A)



## Pressure/Temperature Comparison

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

TEMPERATURE		RS-53 LIQUID BUBBLE POINT	RS-53 VAPOR DEW POINT	R410A Bold = Bubble Point
°F	°C	PSIG	PSIG	PSIG
-40.00	-40.00	24.55	-2.96*	10.65
-38.00	-38.89	26.26	-2.27*	11.96
-36.00	-37.78	28.03	-1.55*	13.31
-34.00	-36.67	29.85	-0.79*	14.72
-32.00	-35.56	31.73	0.00	16.18
-30.00	-34.44	33.67	0.82	17.70
-28.00	-33.33	35.67	1.69	19.27
-26.00	-32.22	37.73	2.59	20.90
-24.00	-31.11	39.86	3.53	22.60
-22.00	-30.00	42.04	4.51	24.36
-20.00	-28.89	44.29	5.53	26.18
-18.00	-27.78	46.61	6.59	28.06
-16.00	-26.67	48.99	7.70	30.01
-14.00	-25.56	51.43	8.85	32.03
-12.00	-24.44	53.95	10.04	34.12
-10.00	-23.33	56.54	11.29	36.28
-8.00	-22.22	59.20	12.58	38.51
-6.00	-21.11	61.93	13.93	40.81
-4.00	-20.00	64.73	15.32	43.20
-2.00	-18.89	67.60	16.77	45.66
0.00	-17.78	70.56	18.27	48.20
2.00	-16.67	73.59	19.83	50.82
4.00	-15.56	76.69	21.44	53.52
6.00	-14.44	79.88	23.12	56.31
8.00	-13.33	83.14	24.85	59.18
10.00	-12.22	86.49	26.64	62.14
12.00	-11.11	89.91	28.50	65.19
14.00	-10.00	93.42	30.42	68.33
16.00	-8.89	97.02	32.41	71.57
18.00	-7.78	100.70	34.46	74.90

TEMPERATURE		RS-53 LIQUID BUBBLE POINT	RS-53 VAPOR DEW POINT	R410A Bold = Bubble Point
°F	°C	PSIG	PSIG	PSIG
20.00	-6.67	104.46	36.58	78.33
22.00	-5.56	108.31	38.78	81.85
24.00	-4.44	112.26	41.04	85.48
26.00	-3.33	116.29	43.38	89.20
28.00	-2.22	120.41	45.80	93.04
30.00	-1.11	124.62	48.29	96.97
32.00	0.00	128.93	50.86	101.02
34.00	1.11	133.33	53.51	105.17
36.00	2.22	137.83	56.24	109.44
38.00	3.33	142.41	59.06	113.82
40.00	4.44	147.11	61.96	118.31
42.00	5.56	151.89	64.95	122.93
44.00	6.67	156.78	68.03	127.66
46.00	7.78	161.75	71.19	132.52
48.00	8.89	166.84	74.46	137.49
50.00	10.00	172.03	77.81	142.60
52.00	11.11	177.32	81.27	<b>148.37</b>
54.00	12.22	182.72	84.82	<b>153.73</b>
56.00	13.33	188.21	88.47	<b>159.24</b>
58.00	14.44	193.82	92.23	<b>164.90</b>
60.00	15.56	199.54	96.09	<b>170.67</b>
62.00	16.67	205.37	100.05	<b>176.58</b>
64.00	17.78	211.30	104.13	<b>182.65</b>
66.00	18.89	217.33	108.31	<b>188.85</b>
68.00	20.00	223.49	112.61	<b>195.20</b>
70.00	21.11	229.76	117.03	<b>201.70</b>
72.00	22.22	236.12	121.56	<b>208.34</b>
74.00	23.33	242.62	126.21	<b>215.14</b>
76.00	24.44	249.21	130.98	<b>222.10</b>

TEMPERATURE		RS-53 LIQUID BUBBLE POINT	RS-53 VAPOR DEW POINT	R410A Bold = Bubble Point
°F	°C	PSIG	PSIG	PSIG
78.00	25.56	255.94	135.87	<b>229.20</b>
80.00	26.67	262.77	140.90	<b>236.47</b>
82.00	27.78	269.73	146.05	<b>243.89</b>
84.00	28.89	276.81	151.33	<b>251.49</b>
86.00	30.00	283.99	156.75	<b>259.25</b>
88.00	31.11	291.29	162.30	<b>267.18</b>
90.00	32.22	298.73	168.00	<b>275.29</b>
92.00	33.33	306.29	173.83	<b>283.57</b>
94.00	34.44	313.96	179.80	<b>292.00</b>
96.00	35.56	321.74	185.92	<b>300.65</b>
98.00	36.67	329.66	192.20	<b>309.46</b>
100.00	37.78	337.71	198.62	<b>318.45</b>
102.00	38.89	345.87	205.21	<b>327.65</b>
104.00	40.00	354.15	211.95	<b>337.01</b>
106.00	41.11	362.58	218.85	<b>346.60</b>
108.00	42.22	371.12	225.91	<b>356.36</b>
110.00	43.33	379.79	233.15	<b>366.33</b>
112.00	44.44	388.57	240.56	<b>376.50</b>
114.00	45.56	397.49	248.14	<b>386.88</b>
116.00	46.67	406.54	255.90	<b>397.46</b>
118.00	47.78	415.72	263.85	<b>408.27</b>
120.00	48.89	425.01	271.98	<b>419.29</b>
122.00	50.00	434.44	280.29	<b>430.54</b>
124.00	51.11	443.99	288.80	<b>441.99</b>
126.00	52.22	453.68	297.51	<b>453.69</b>
128.00	53.33	463.50	306.43	<b>465.63</b>
130.00	54.44	473.43	315.55	<b>477.79</b>