R-502 PT Chart

Saturation pressure vs temperature · Safety class A1 · Blend

°F / psig
°C / kPa

°F and psig

°F	Liquid bubble, psig	Vapor dew, psig
-40	4.0	4.0
-35	6.5	6.5
-30	9.2	9.2
-25	12.1	12.1
-20	15.3	15.3
-15	18.8	18.8
-10	22.6	22.6
-5	26.7	26.7
0	31.1	31.1
5	35.9	35.9
10	41.0	41.0
15	46.6	46.6
20	52.5	52.5
25	58.9	58.9
30	65.6	65.6
35	72.9	72.9
40	80.6	80.6
45	88.7	88.7
50	97.4	97.4
55	106.6	106.6
60	116.4	116.4
65	126.7	126.7
70	137.6	137.6
75	149.1	149.0
80	161.2	161.1
85	173.9	173.9
90	187.3	187.3
95	201.4	201.4
100	216.1	216.1
105	231.6	231.6
110	247.9	247.9
115	264.9	264.9
120	282.7	282.7
125	301.4	301.4
130	320.9	320.9
135	341.4	341.4
140	362.7	362.7

°C and kPa (gauge)

°C	Liquid bubble, kPa	Vapor dew, kPa
-40	27.8	27.7
-35	59.3	59.3
-30	96.4	96.4
-25	139.7	139.7
-20	189.8	189.9
-15	247.5	247.5
-10	313.3	313.3
-5	387.9	388.0
0	472.1	472.1
5	566.4	566.5
10	671.7	671.7
15	788.7	788.7
20	918.0	918.0
25	1060.5	1060.5
30	1217.0	1217.0
35	1388.3	1388.3
40	1575.2	1575.3
45	1778.9	1778.9
50	2000.2	2000.2
55	2240.4	2240.4
60	2500.8	2500.8

Liquid = bubble point (use for subcooling). Vapor = dew point (use for superheat).
Table stops where the published data stops; not extrapolated.
Rows every 5° plus the first and last row. Every degree is on the website.
Source: supplier chart (National Refrigerants). Reference only: always verify with the manufacturer's data and your gauges.