R-438A 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	1.7	*5.2"*
-35	3.9	*1.6"*
-30	6.4	1.2
-25	9.1	3.5
-20	12.0	5.9
-15	15.3	8.6
-10	18.8	11.6
-5	22.7	14.9
0	26.8	18.5
5	31.4	22.4
10	36.3	26.6
15	41.6	31.2
20	47.3	36.2
25	53.4	41.6
30	59.9	47.5
35	67.0	53.7
40	**74.5**	**60.5**
45	82.5	67.7
50	91.0	75.5
55	100.2	83.8
60	109.8	92.7
65	120.1	102.1
70	131.0	112.2
75	142.5	122.9
80	154.7	134.3
85	167.6	146.4
90	181.2	159.3
95	195.5	172.9
100	**210.6**	**187.2**
105	226.4	202.4
110	243.1	218.5
115	260.6	235.5
120	279.0	253.4
125	298.3	272.2
130	318.5	292.1
135	339.7	313.0
140	361.8	335.0
145	384.9	358.1
148	399.3	372.5

°C and kPa (gauge)

°C	Liquid bubble, kPa	Vapor dew, kPa
-40	11.7	-17.7
-35	40.4	5.6
-30	74.6	33.8
-25	114.8	67.6
-20	161.9	107.5
-15	216.3	154.3
-10	279.1	208.8
-5	350.7	271.8
0	432.2	344.2
5	524.3	426.8
10	627.8	520.5
15	743.6	626.4
20	872.5	745.3
25	1015.6	878.4
30	1173.7	1026.9
35	1347.8	1191.8
40	1538.9	1374.4
45	1748.0	1576.1
50	1976.3	1798.2
55	2224.7	2042.2
60	2494.5	2309.7
64	2726.5	2541.8

Liquid = bubble point (use for subcooling). Vapor = dew point (use for superheat).
°F table: italic " = inches of mercury (inHg) vacuum.
°C table: negative kPa = vacuum.
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: manufacturer charts (Chemours). Reference only: always verify with the manufacturer's data and your gauges.