R-454C PT Chart

Saturation pressure vs temperature · Safety class A2L · Blend

°F / psig
°C / kPa

°F and psig

°F	Liquid bubble, psig	Vapor dew, psig
-40	4.3	*3.0"*
-35	6.8	0.4
-30	9.5	2.4
-25	12.4	4.7
-20	15.7	7.2
-15	19.2	10.0
-10	23.1	13.0
-5	27.3	16.3
0	31.8	19.9
5	36.7	23.8
10	41.9	28.0
15	47.6	32.6
20	53.6	37.6
25	60.1	42.9
30	67.1	48.7
35	74.5	54.9
40	**82.4**	**61.5**
45	90.8	68.7
50	99.7	76.3
55	109.2	84.4
60	119.3	93.1
65	129.9	102.3
70	141.2	112.2
75	153.0	122.6
80	165.6	133.7
85	178.8	145.5
90	192.6	158.0
95	207.2	171.2
100	**222.5**	**185.2**
105	238.6	199.9
110	255.5	215.5
115	273.1	232.0
120	291.6	249.4
125	310.8	267.7
130	331.0	287.0
135	352.0	307.3
140	373.9	328.8

°C and kPa (gauge)

°C	Liquid bubble, kPa	Vapor dew, kPa
-40	29.5	-10.3
-35	61.4	13.8
-30	99.0	42.6
-25	143.0	76.8
-20	194.0	117.0
-15	252.7	164.0
-10	319.9	218.3
-5	396.2	280.9
0	482.4	352.4
5	579.3	433.8
10	687.7	525.8
15	808.2	629.5
20	941.8	745.7
25	1089.2	875.5
30	1251.3	1020.0
35	1428.8	1180.3
40	1622.6	1357.6
45	1833.7	1553.3
50	2062.7	1769.0
55	2310.6	2006.2
60	2578.2	2267.0

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 and supplier charts (Chemours, A-Gas). Reference only: always verify with the manufacturer's data and your gauges.