R-453A 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	1.6	*6.6"*
-35	3.9	*3.1"*
-30	6.3	0.4
-25	9.0	2.5
-20	12.0	4.9
-15	15.2	7.5
-10	18.7	10.3
-5	22.6	13.5
0	26.8	16.9
5	31.3	20.7
10	36.2	24.8
15	41.5	29.3
20	47.3	34.1
25	53.4	39.3
30	60.0	45.0
35	67.1	51.1
40	**74.6**	**57.7**
45	82.7	64.7
50	91.3	72.3
55	100.5	80.4
60	110.2	89.1
65	120.6	98.4
70	131.6	108.3
75	143.2	118.8
80	155.5	130.0
85	168.5	141.9
90	182.2	154.5
95	196.6	167.9
100	**211.9**	**182.1**
105	227.9	197.2
110	244.7	213.1
115	262.4	229.9
120	281.0	247.6
125	300.4	266.3
130	320.8	286.0
135	342.2	306.8
140	364.5	328.7
145	387.8	351.7
150	412.2	375.9

°C and kPa (gauge)

°C	Liquid bubble, kPa	Vapor dew, kPa
-40	11.2	-22.4
-35	39.9	-0.1
-30	74.1	26.9
-25	114.3	59.2
-20	161.4	97.6
-15	216.0	142.8
-10	278.9	195.5
-5	350.9	256.5
0	432.8	326.8
5	525.4	407.2
10	629.6	498.6
15	746.2	602.1
20	876.2	718.6
25	1020.5	849.3
30	1180.0	995.3
35	1355.7	1157.9
40	1548.6	1338.2
45	1759.8	1537.7
50	1990.1	1757.8
55	2240.9	2000.0
60	2513.0	2266.0
65	2807.8	2557.4

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.
Rows every 5° plus the first and last row. Every degree is on the website.
Source: supplier chart (). Reference only: always verify with the manufacturer's data and your gauges.