R-401B 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	*6.7"*	*12.4"*
-35	*3.4"*	*9.7"*
-30	0.1	*6.8"*
-25	2.0	*3.5"*
-20	4.1	0.1
-15	6.5	2.0
-10	9.1	4.2
-5	11.9	6.6
0	14.9	9.2
5	18.2	12.1
10	21.8	15.2
15	25.7	18.6
20	29.9	22.3
25	34.4	26.3
30	39.3	30.6
35	44.5	35.2
40	**50.1**	**40.2**
45	56.0	45.6
50	62.4	51.4
55	69.2	57.5
60	76.5	64.1
65	84.2	71.2
70	92.3	78.7
75	101.0	86.7
80	110.2	95.2
85	119.9	104.2
90	130.1	113.8
95	140.9	123.9
100	**152.3**	**134.7**
105	164.3	146.0
110	176.9	158.0
115	190.2	170.6
120	204.1	183.9
125	218.7	197.9
130	234.0	212.6
135	250.0	228.1
140	266.7	244.3
145	284.3	261.4
150	302.6	279.3

°C and kPa (gauge)

°C	Liquid bubble, kPa	Vapor dew, kPa
-40	-22.6	-41.9
-35	-2.1	-25.0
-30	22.5	-4.6
-25	51.7	19.9
-20	85.9	49.0
-15	125.7	83.3
-10	171.7	123.3
-5	224.6	169.8
0	284.9	223.3
5	353.3	284.5
10	430.4	354.1
15	517.0	432.9
20	613.7	521.5
25	721.2	620.8
30	840.2	731.5
35	971.5	854.5
40	1115.9	990.6
45	1274.0	1140.8
50	1446.7	1305.9
55	1634.8	1486.8
60	1839.1	1684.7
65	2060.4	1900.5

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: manufacturer and supplier charts (Arkema, National Refrigerants). Reference only: always verify with the manufacturer's data and your gauges.