R-407A 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	3.9	*2.0″*
-35	6.4	1.0
-30	9.2	3.3
-25	12.2	5.8
-20	15.6	8.5
-15	19.2	11.5
-10	23.2	14.9
-5	27.5	18.5
0	32.2	22.5
5	37.3	26.9
10	42.8	31.6
15	48.7	36.7
20	55.1	42.3
25	62.0	48.3
30	69.3	54.8
35	77.2	61.8
40	**85.6**	**69.4**
45	94.6	77.4
50	104.2	86.1
55	114.4	95.3
60	125.2	105.2
65	136.7	115.7
70	148.8	127.0
75	161.7	138.9
80	175.3	151.6
85	189.7	165.1
90	204.8	179.3
95	220.8	194.4
100	**237.6**	**210.4**
105	255.3	227.4
110	273.9	245.2
115	293.5	264.1
120	314.0	284.0
125	335.4	305.0
130	357.9	327.1
135	381.5	350.5
140	406.2	375.1
145	431.9	401.0
150	458.9	428.3

°C and kPa (gauge)

°C	Liquid bubble, kPa	Vapor dew, kPa
-40	27.1	-6.8
-35	59.5	19.3
-30	98.0	50.8
-25	143.3	88.4
-20	196.1	133.0
-15	257.3	185.2
-10	327.7	246.0
-5	408.1	316.3
0	499.3	397.0
5	602.4	489.1
10	718.3	593.5
15	847.8	711.4
20	991.9	843.9
25	1151.7	992.1
30	1328.2	1157.2
35	1522.5	1340.7
40	1735.6	1543.7
45	1968.8	1768.0
50	2223.1	2015.1
55	2499.8	2287.0
60	2800.4	2585.9
65	3126.1	2914.7

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