R-407F 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	4.9	*0.5″*
-35	7.5	1.9
-30	10.4	4.2
-25	13.6	6.8
-20	17.1	9.7
-15	20.9	12.9
-10	25.1	16.4
-5	29.6	20.2
0	34.5	24.4
5	39.8	28.9
10	45.6	33.9
15	51.8	39.3
20	58.5	45.1
25	65.6	51.4
30	73.3	58.2
35	81.5	65.5
40	**90.3**	**73.4**
45	99.7	81.8
50	109.7	90.8
55	120.4	100.5
60	131.7	110.8
65	143.7	121.8
70	156.4	133.5
75	169.9	146.0
80	184.1	159.2
85	199.1	173.3
90	215.0	188.1
95	231.7	203.9
100	**249.3**	**220.6**
105	267.8	238.3
110	287.2	256.9
115	307.6	276.6
120	329.0	297.4
125	351.5	319.3
130	375.0	342.4
135	399.7	366.8
140	425.4	392.4
145	452.4	419.5
150	480.6	448.0

°C and kPa (gauge)

°C	Liquid bubble, kPa	Vapor dew, kPa
-40	33.7	-1.7
-35	67.7	25.7
-30	108.0	58.8
-25	155.4	98.2
-20	210.6	144.8
-15	274.6	199.5
-10	348.2	263.1
-5	432.3	336.6
0	527.7	420.9
5	635.5	517.1
10	756.6	626.1
15	891.9	749.2
20	1042.6	887.5
25	1209.7	1042.2
30	1394.2	1214.6
35	1597.3	1406.0
40	1820.1	1618.0
45	2063.8	1852.0
50	2329.7	2109.9
55	2619.0	2393.7
60	2933.2	2705.6
65	3273.8	3048.7

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