R-450A PT Chart

Saturation pressure vs temperature · Safety class A1 · Blend

°F / psig
°C / kPa

°F and psig

°F	Liquid bubble, psig	Vapor dew, psig
-9	0.4	0.0
-5	1.9	1.5
0	4.0	3.5
5	6.3	5.8
10	8.9	8.3
15	11.6	11.0
20	14.6	13.9
25	17.9	17.1
30	21.4	20.6
35	25.3	24.3
40	**29.4**	**28.4**
45	33.8	32.8
50	38.6	37.4
55	43.7	42.5
60	49.2	47.9
65	55.1	53.7
70	61.4	59.9
75	68.1	66.5
80	75.2	73.5
85	82.8	81.0
90	90.9	88.9
95	99.4	97.4
100	**108.5**	**106.3**
105	118.0	115.8
110	128.2	125.8
115	138.9	136.4
120	150.2	147.6
125	162.1	159.4
130	174.6	171.8
135	187.8	184.9
140	201.6	198.7
145	216.2	213.2
150	231.5	228.4

°C and kPa (gauge)

°C	Liquid bubble, kPa	Vapor dew, kPa
-22	6.1	3.4
-20	16.0	13.0
-15	43.7	40.0
-10	76.2	71.9
-5	114.1	109.0
0	158.0	152.1
5	208.5	201.6
10	266.2	258.2
15	331.7	322.6
20	405.6	395.4
25	488.8	477.3
30	581.8	569.1
35	685.4	671.4
40	800.4	785.1
45	927.5	910.9
50	1067.6	1049.7
55	1221.6	1202.4
60	1390.3	1369.9
65	1574.8	1553.1

Liquid = bubble point (use for subcooling). Vapor = dew point (use for superheat).
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 charts (Honeywell). Reference only: always verify with the manufacturer's data and your gauges.