R-22 PT Chart

Gauge & Wire

Saturation pressure in psig. * = inches of mercury vacuum.

°F	°C	psig	°F	°C	psig	°F	°C	psig	°F	°C	psig
-40	**-40.0**	**0.6**	8	-13.3	31.0	56	13.3	94.4	104	40.0	207.7
-39	-39.4	1.0	9	-12.8	31.9	57	13.9	96.1	105	40.6	210.8
-38	-38.9	1.4	**10**	**-12.2**	**32.8**	58	14.4	98.0	106	41.1	213.8
-37	-38.3	1.8	11	-11.7	33.8	59	15.0	99.8	107	41.7	216.9
-36	-37.8	2.2	12	-11.1	34.8	**60**	**15.6**	**101.6**	108	42.2	220.0
-35	-37.2	2.6	13	-10.6	35.8	61	16.1	103.5	109	42.8	223.2
-34	-36.7	3.1	14	-10.0	36.8	62	16.7	105.4	**110**	**43.3**	**226.4**
-33	-36.1	3.5	15	-9.4	37.8	63	17.2	107.3	111	43.9	229.6
-32	-35.6	4.0	16	-8.9	38.8	64	17.8	109.3	112	44.4	232.8
-31	-35.0	4.5	17	-8.3	39.9	65	18.3	111.2	113	45.0	236.1
-30	**-34.4**	**4.9**	18	-7.8	40.9	66	18.9	113.2	114	45.6	239.4
-29	-33.9	5.4	19	-7.2	42.0	67	19.4	115.3	115	46.1	242.8
-28	-33.3	5.9	**20**	**-6.7**	**43.1**	68	20.0	117.3	116	46.7	246.1
-27	-32.8	6.4	21	-6.1	44.2	69	20.6	119.4	117	47.2	249.5
-26	-32.2	6.9	22	-5.6	45.3	**70**	**21.1**	**121.4**	118	47.8	253.0
-25	-31.7	7.4	23	-5.0	46.5	71	21.7	123.5	119	48.3	256.4
-24	-31.1	8.0	24	-4.4	47.6	72	22.2	125.7	**120**	**48.9**	**260.0**
-23	-30.6	8.5	25	-3.9	48.8	73	22.8	127.8	121	49.4	263.5
-22	-30.0	9.1	26	-3.3	50.0	74	23.3	130.0	122	50.0	267.1
-21	-29.4	9.6	27	-2.8	51.2	75	23.9	132.2	123	50.6	270.7
-20	**-28.9**	**10.2**	28	-2.2	52.4	76	24.4	134.5	124	51.1	274.3
-19	-28.3	10.8	29	-1.7	53.7	77	25.0	136.7	125	51.7	278.0
-18	-27.8	11.4	**30**	**-1.1**	**55.0**	78	25.6	139.0	126	52.2	281.7
-17	-27.2	12.0	31	-0.6	56.2	79	26.1	141.3	127	52.8	285.4
-16	-26.7	12.6	32	0.0	57.5	**80**	**26.7**	**143.6**	128	53.3	289.2
-15	-26.1	13.2	33	0.6	58.8	81	27.2	146.0	129	53.9	293.0
-14	-25.6	13.9	34	1.1	60.2	82	27.8	148.4	**130**	**54.4**	**296.9**
-13	-25.0	14.5	35	1.7	61.5	83	28.3	150.8	131	55.0	300.8
-12	-24.4	15.2	36	2.2	62.9	84	28.9	153.2	132	55.6	304.7
-11	-23.9	15.9	37	2.8	64.3	85	29.4	155.7	133	56.1	308.6
-10	**-23.3**	**16.5**	38	3.3	65.7	86	30.0	158.2	134	56.7	312.6
-9	-22.8	17.2	39	3.9	67.1	87	30.6	160.7	135	57.2	316.7
-8	-22.2	17.9	**40**	**4.4**	**68.6**	88	31.1	163.2	136	57.8	320.7
-7	-21.7	18.7	41	5.0	70.0	89	31.7	165.8	137	58.3	324.8
-6	-21.1	19.4	42	5.6	71.5	**90**	**32.2**	**168.4**	138	58.9	329.0
-5	-20.6	20.1	43	6.1	73.0	91	32.8	171.0	139	59.4	333.2
-4	-20.0	20.9	44	6.7	74.5	92	33.3	173.7	**140**	**60.0**	**337.4**
-3	-19.4	21.7	45	7.2	76.1	93	33.9	176.4	141	60.6	341.6
-2	-18.9	22.4	46	7.8	77.6	94	34.4	179.1	142	61.1	345.9
-1	-18.3	23.2	47	8.3	79.2	95	35.0	181.8	143	61.7	350.3
0	**-17.8**	**24.0**	48	8.9	80.8	96	35.6	184.6	144	62.2	354.6
1	-17.2	24.9	49	9.4	82.4	97	36.1	187.4	145	62.8	359.0
2	-16.7	25.7	**50**	**10.0**	**84.1**	98	36.7	190.2	146	63.3	363.5
3	-16.1	26.5	51	10.6	85.7	99	37.2	193.0	147	63.9	368.0
4	-15.6	27.4	52	11.1	87.4	**100**	**37.8**	**195.9**	148	64.4	372.5
5	-15.0	28.3	53	11.7	89.1	101	38.3	198.8	149	65.0	377.1
6	-14.4	29.2	54	12.2	90.8	102	38.9	201.8	**150**	**65.6**	**381.7**
7	-13.9	30.1	55	12.8	92.6	103	39.4	204.7			

Source: calculated with CoolProp 8.1.0 (reference equation of state).
Checked against: Arkema (max difference 0.04 psi).
Gauge pressure relative to 14.696 psia (sea level). Reference only: follow the equipment manufacturer's charging instructions.