R-134a 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**	**14.8***	8	-13.3	10.8	56	13.3	52.4	104	40.0	132.7
-39	-39.4	14.4*	9	-12.8	11.3	57	13.9	53.6	105	40.6	135.0
-38	-38.9	13.9*	**10**	**-12.2**	**11.9**	58	14.4	54.9	106	41.1	137.2
-37	-38.3	13.4*	11	-11.7	12.5	59	15.0	56.1	107	41.7	139.5
-36	-37.8	13.0*	12	-11.1	13.1	**60**	**15.6**	**57.4**	108	42.2	141.7
-35	-37.2	12.5*	13	-10.6	13.8	61	16.1	58.7	109	42.8	144.0
-34	-36.7	12.0*	14	-10.0	14.4	62	16.7	60.0	**110**	**43.3**	**146.4**
-33	-36.1	11.4*	15	-9.4	15.0	63	17.2	61.3	111	43.9	148.7
-32	-35.6	10.9*	16	-8.9	15.7	64	17.8	62.7	112	44.4	151.1
-31	-35.0	10.4*	17	-8.3	16.4	65	18.3	64.0	113	45.0	153.5
-30	**-34.4**	**9.8***	18	-7.8	17.0	66	18.9	65.4	114	45.6	156.0
-29	-33.9	9.3*	19	-7.2	17.7	67	19.4	66.8	115	46.1	158.4
-28	-33.3	8.7*	**20**	**-6.7**	**18.4**	68	20.0	68.2	116	46.7	160.9
-27	-32.8	8.1*	21	-6.1	19.1	69	20.6	69.7	117	47.2	163.4
-26	-32.2	7.5*	22	-5.6	19.9	**70**	**21.1**	**71.1**	118	47.8	166.0
-25	-31.7	6.9*	23	-5.0	20.6	71	21.7	72.6	119	48.3	168.6
-24	-31.1	6.3*	24	-4.4	21.3	72	22.2	74.1	**120**	**48.9**	**171.2**
-23	-30.6	5.7*	25	-3.9	22.1	73	22.8	75.6	121	49.4	173.8
-22	-30.0	5.0*	26	-3.3	22.9	74	23.3	77.1	122	50.0	176.5
-21	-29.4	4.3*	27	-2.8	23.7	75	23.9	78.7	123	50.6	179.1
-20	**-28.9**	**3.7***	28	-2.2	24.5	76	24.4	80.2	124	51.1	181.8
-19	-28.3	3.0*	29	-1.7	25.3	77	25.0	81.8	125	51.7	184.6
-18	-27.8	2.3*	**30**	**-1.1**	**26.1**	78	25.6	83.4	126	52.2	187.4
-17	-27.2	1.5*	31	-0.6	26.9	79	26.1	85.0	127	52.8	190.1
-16	-26.7	0.8*	32	0.0	27.8	**80**	**26.7**	**86.7**	128	53.3	193.0
-15	-26.1	0.1*	33	0.6	28.6	81	27.2	88.4	129	53.9	195.8
-14	-25.6	0.4	34	1.1	29.5	82	27.8	90.0	**130**	**54.4**	**198.7**
-13	-25.0	0.7	35	1.7	30.4	83	28.3	91.8	131	55.0	201.6
-12	-24.4	1.1	36	2.2	31.3	84	28.9	93.5	132	55.6	204.6
-11	-23.9	1.5	37	2.8	32.2	85	29.4	95.2	133	56.1	207.5
-10	**-23.3**	**1.9**	38	3.3	33.1	86	30.0	97.0	134	56.7	210.6
-9	-22.8	2.4	39	3.9	34.1	87	30.6	98.8	135	57.2	213.6
-8	-22.2	2.8	**40**	**4.4**	**35.0**	88	31.1	100.6	136	57.8	216.7
-7	-21.7	3.2	41	5.0	36.0	89	31.7	102.5	137	58.3	219.7
-6	-21.1	3.6	42	5.6	37.0	**90**	**32.2**	**104.3**	138	58.9	222.9
-5	-20.6	4.1	43	6.1	38.0	91	32.8	106.2	139	59.4	226.0
-4	-20.0	4.6	44	6.7	39.0	92	33.3	108.1	**140**	**60.0**	**229.2**
-3	-19.4	5.0	45	7.2	40.1	93	33.9	110.0	141	60.6	232.4
-2	-18.9	5.5	46	7.8	41.1	94	34.4	112.0	142	61.1	235.7
-1	-18.3	6.0	47	8.3	42.2	95	35.0	113.9	143	61.7	239.0
0	**-17.8**	**6.5**	48	8.9	43.2	96	35.6	115.9	144	62.2	242.3
1	-17.2	7.0	49	9.4	44.3	97	36.1	118.0	145	62.8	245.7
2	-16.7	7.5	**50**	**10.0**	**45.4**	98	36.7	120.0	146	63.3	249.0
3	-16.1	8.0	51	10.6	46.6	99	37.2	122.1	147	63.9	252.5
4	-15.6	8.5	52	11.1	47.7	**100**	**37.8**	**124.2**	148	64.4	255.9
5	-15.0	9.1	53	11.7	48.9	101	38.3	126.3	149	65.0	259.4
6	-14.4	9.6	54	12.2	50.0	102	38.9	128.4	**150**	**65.6**	**262.9**
7	-13.9	10.2	55	12.8	51.2	103	39.4	130.6			

Source: calculated with CoolProp 8.1.0 (reference equation of state).
Checked against: Arkema (max difference 0.04 psi); Chemours (max difference 0.16 psi).
Gauge pressure relative to 14.696 psia (sea level). Reference only: follow the equipment manufacturer's charging instructions.