



R407A Pressure-Temperature Chart

Saturation Pressure-Temperature Data for R407A (psig)*

Temp (°F)	Pressure		Temp (°C)	Temp (°F)	Pressure		Temp (°C)	Temp (°F)	Pressure		Temp (°C)	Temp (°F)	Pressure		Temp (°C)
	Liquid	Vapor			Liquid	Vapor			Liquid	Vapor			Liquid	Vapor	
-49	0	<i>8.3</i>	-45	1	33.2	23.4	-17.2	51	106.2	87.9	10.6	101	241.1	213.8	38.3
-48	0.4	<i>7.7</i>	-44.4	2	34.2	24.2	-16.7	52	108.2	89.7	11.1	102	244.6	217.1	38.9
-47	0.8	<i>7.1</i>	-43.9	3	35.2	25.1	-16.1	53	110.2	91.6	11.7	103	248.2	220.5	39.4
-46	1.2	<i>6.4</i>	-43.3	4	36.3	26	-15.6	54	112.3	93.4	12.2	104	251.7	223.9	40
-45	1.7	<i>5.7</i>	-42.8	5	37.3	26.9	-15	55	114.4	95.3	12.8	105	255.3	227.4	40.6
-44	2.1	<i>5</i>	-42.2	6	38.4	27.8	-14.4	56	116.5	97.3	13.3	106	259	230.9	41.1
-43	2.5	<i>4.3</i>	-41.7	7	39.5	28.7	-13.9	57	118.6	99.2	13.9	107	262.7	234.4	41.7
-42	3	<i>3.5</i>	-41.1	8	40.6	29.7	-13.3	58	120.8	101.2	14.4	108	266.4	238	42.2
-41	3.5	<i>2.8</i>	-40.6	9	41.7	30.6	-12.8	59	123	103.2	15	109	270.2	241.6	42.8
-40	3.9	<i>2</i>	-40	10	42.8	31.6	-12.2	60	125.2	105.2	15.6	110	273.9	245.2	43.3
-39	4.4	<i>1.2</i>	-39.4	11	44	32.6	-11.7	61	127.4	107.3	16.1	111	277.8	248.9	43.9
-38	4.9	<i>0.4</i>	-38.9	12	45.1	33.6	-11.1	62	129.7	109.3	16.7	112	281.6	252.7	44.4
-37	5.4	0.2	-38.3	13	46.3	34.6	-10.6	63	132	111.5	17.2	113	285.5	256.4	45
-36	5.9	0.6	-37.8	14	47.5	35.7	-10	64	134.3	113.6	17.8	114	289.5	260.2	45.6
-35	6.4	1	-37.2	15	48.7	36.7	-9.4	65	136.7	115.8	18.3	115	293.5	264.1	46.1
-34	7	1.5	-36.7	16	50	37.8	-8.9	66	139	117.9	18.9	116	297.5	268	46.7
-33	7.5	1.9	-36.1	17	51.2	38.9	-8.3	67	141.4	120.2	19.4	117	301.6	271.9	47.2
-32	8.1	2.3	-35.6	18	52.5	40	-7.8	68	143.9	122.4	20	118	305.6	275.9	47.8
-31	8.6	2.8	-35	19	53.8	41.2	-7.2	69	146.3	124.7	20.6	119	309.8	279.9	48.3
-30	9.2	3.3	-34.4	20	55.1	42.3	-6.7	70	148.8	127	21.1	120	314	284	48.9
-29	9.8	3.7	-33.9	21	56.5	43.5	-6.1	71	151.3	129.3	21.7	121	318.2	288.1	49.4
-28	10.4	4.2	-33.3	22	57.8	44.7	-5.6	72	153.9	131.7	22.2	122	322.4	292.3	50
-27	11	4.7	-32.8	23	59.2	45.9	-5	73	156.5	134	22.8	123	326.7	296.5	50.6
-26	11.6	5.2	-32.2	24	60.6	47.1	-4.4	74	159.1	136.5	23.3	124	331.1	300.7	51.1
-25	12.2	5.8	-31.7	25	62	48.3	-3.9	75	161.7	138.9	23.9	125	335.4	305	51.7
-24	12.9	6.3	-31.1	26	63.4	49.6	-3.3	76	164.4	141.4	24.4	126	339.9	309.3	52.2
-23	13.5	6.8	-30.6	27	64.9	50.9	-2.8	77	167	143.9	25	127	344.3	313.7	52.8
-22	14.2	7.4	-30	28	66.3	52.2	-2.2	78	169.8	146.4	25.6	128	348.8	318.1	53.3
-21	14.9	7.9	-29.4	29	67.8	53.5	-1.7	79	172.5	149	26.1	129	353	322.6	53.9
-20	15.6	8.5	-28.9	30	69.3	54.8	-1.1	80	175.3	151.6	26.7	130	357.9	327.1	54.4
-19	16.3	9.1	-28.3	31	70.9	56.2	-0.6	81	178.1	154.2	27.2	131	362.6	331.7	55
-18	17	9.7	-27.8	32	72.4	57.6	0	82	181	156.9	27.8	132	367.2	336.3	55.6
-17	17.7	10.3	-27.2	33	74	59	0.6	83	183.8	159.6	28.3	133	372	341	56.1
-16	18.5	10.9	-26.7	34	75.6	60.4	1.1	84	186.7	162.3	28.9	134	376.7	345.7	56.7
-15	19.2	11.5	-26.1	35	77.2	61.8	1.7	85	189.7	165.1	29.4	135	381.5	350.5	57.2
-14	20	12.2	-25.6	36	78.8	63.3	2.2	86	192.7	167.8	30	136	386.4	355.3	57.8
-13	20.8	12.8	-25	37	80.5	64.8	2.8	87	195.7	170.7	30.6	137	391.2	360.2	58.3
-12	21.6	13.5	-24.4	38	82.2	66.3	3.3	88	198.7	173.5	31.1	138	396.2	365.1	58.9
-11	22.4	14.2	-23.9	39	83.9	67.8	3.9	89	201.7	176.4	31.7	139	401.1	370	59.4
-10	23.2	14.9	-23.3	40	85.6	69.4	4.4	90	204.8	179.3	32.2	140	406.2	375.1	60
-9	24	15.6	-22.8	41	87.4	70.9	5	91	208	182.3	32.8	141	411.2	380.1	60.6
-8	24.9	16.3	-22.2	42	89.1	72.5	5.6	92	211.1	185.3	33.3	142	416.3	385.3	61.1
-7	25.8	17	-21.7	43	90.9	74.1	6.1	93	214.3	188.3	33.9	143	421.5	390.5	61.7
-6	26.6	17.8	-21.1	44	92.8	75.8	6.7	94	217.6	191.4	34.4	144	426.7	395.7	62.2
-5	27.5	18.5	-20.6	45	94.6	77.4	7.2	95	220.8	194.5	35	145	431.9	401	62.8
-4	28.4	19.3	-20	46	96.5	79.1	7.8	96	224.1	197.6	35.6	146	437.2	406.3	63.3
-3	29.4	20.1	-19.4	47	98.4	80.8	8.3	97	227.5	200.7	36.1	147	442.6	411.8	63.9
-2	30.3	20.9	-18.9	48	100.3	82.6	8.9	98	230.8	203.9	36.7	148	448	417.2	64.4
-1	31.3	21.7	-18.3	49	102.2	84.3	9.4	99	234.2	207.2	37.2	149	453.4	422.7	65
0	32.2	22.5	-17.8	50	104.2	86.1	10	100	237.7	210.4	37.8	150	458.9	428.3	65.6

*Red Italics Indicate Inches of Mercury Below Atmospheric Pressure