

Saturation Pressure-Temperature Data for R-507A (psig)*

Temp. (°F)	Pressure Liquid	Pressure Vapor	Temp. (°C)	Temp. (°F)	Pressure Liquid	Pressure Vapor	Temp. (°C)	Temp. (°F)	Pressure Liquid	Pressure Vapor	Temp. (°C)	Temp. (°F)	Pressure Liquid	Pressure Vapor	Temp. (°C)
-49	1.3	1.3	-45.0	1	35.8	35.8	-17.2	51	110.0	109.9	10.6	101	245.8	245.6	38.3
-48	1.7	1.7	-44.4	2	36.9	36.8	-16.7	52	112.0	111.9	11.1	102	249.3	249.1	38.9
-47	2.1	2.1	-43.9	3	37.9	37.9	-16.1	53	114.1	114.0	11.7	103	252.9	252.6	39.4
-46	2.6	2.6	-43.3	4	39.0	38.9	-15.6	54	116.2	116.1	12.2	104	256.5	256.2	40.0
-45	3.0	3.0	-42.8	5	40.1	40.0	-15.0	55	118.3	118.2	12.8	105	260.1	259.9	40.6
-44	3.5	3.5	-42.2	6	41.1	41.1	-14.4	56	120.4	120.3	13.3	106	263.8	263.5	41.1
-43	4.0	4.0	-41.7	7	42.3	42.2	-13.9	57	122.6	122.5	13.9	107	267.5	267.2	41.7
-42	4.4	4.4	-41.1	8	43.4	43.4	-13.3	58	124.8	124.6	14.4	108	271.2	271.0	42.2
-41	4.9	4.9	-40.6	9	44.5	44.5	-12.8	59	127.0	126.8	15.0	109	275.0	274.8	42.8
-40	5.4	5.4	-40.0	10	45.7	45.7	-12.2	60	129.2	129.1	15.6	110	278.8	278.6	43.3
-39	5.9	5.9	-39.4	11	46.9	46.8	-11.7	61	131.5	131.3	16.1	111	282.7	282.4	43.9
-38	6.4	6.4	-38.9	12	48.1	48.0	-11.1	62	133.7	133.6	16.7	112	286.6	286.3	44.4
-37	7.0	7.0	-38.3	13	49.3	49.2	-10.6	63	136.0	135.9	17.2	113	290.5	290.3	45.0
-36	7.5	7.5	-37.8	14	50.5	50.5	-10.0	64	138.4	138.3	17.8	114	294.5	294.2	45.6
-35	8.1	8.1	-37.2	15	51.8	51.7	-9.4	65	140.8	140.6	18.3	115	298.5	298.3	46.1
-34	8.6	8.6	-36.7	16	53.0	53.0	-8.9	66	143.1	143.0	18.9	116	302.6	302.3	46.7
-33	9.2	9.2	-36.1	17	54.3	54.3	-8.3	67	145.6	145.4	19.4	117	306.7	306.4	47.2
-32	9.8	9.8	-35.6	18	55.6	55.6	-7.8	68	148.0	147.9	20.0	118	310.8	310.5	47.8
-31	10.4	10.4	-35.0	19	56.9	56.9	-7.2	69	150.5	150.4	20.6	119	315.0	314.7	48.3
-30	11.0	11.0	-34.4	20	58.3	58.2	-6.7	70	153.0	152.9	21.1	120	319.2	318.9	48.9
-29	11.6	11.6	-33.9	21	59.6	59.6	-6.1	71	155.5	155.4	21.7	121	323.5	323.2	49.4
-28	12.2	12.2	-33.3	22	61.0	61.0	-5.6	72	158.1	157.9	22.2	122	327.8	327.5	50.0
-27	12.8	12.8	-32.8	23	62.4	62.4	-5.0	73	160.7	160.5	22.8	123	332.1	331.8	50.6
-26	13.5	13.5	-32.2	24	63.8	63.8	-4.4	74	163.3	163.1	23.3	124	336.5	336.2	51.1
-25	14.1	14.1	-31.7	25	65.3	65.2	-3.9	75	165.9	165.8	23.9	125	340.9	340.7	51.7
-24	14.8	14.8	-31.1	26	66.7	66.7	-3.3	76	168.6	168.5	24.4	126	345.4	345.1	52.2
-23	15.5	15.5	-30.6	27	68.2	68.1	-2.8	77	171.3	171.2	25.0	127	349.9	349.7	52.8
-22	16.2	16.2	-30.0	28	69.7	69.6	-2.2	78	174.1	173.9	25.6	128	354.5	354.2	53.3
-21	16.9	16.9	-29.4	29	71.2	71.1	-1.7	79	176.8	176.7	26.1	129	359.1	358.8	53.9
-20	17.6	17.6	-28.9	30	72.7	72.7	-1.1	80	179.6	179.5	26.7	130	363.8	363.5	54.4
-19	18.3	18.3	-28.3	31	74.3	74.2	-0.6	81	182.5	182.3	27.2	131	368.5	368.2	55.0
-18	19.1	19.1	-27.8	32	75.9	75.8	0.0	82	185.3	185.1	27.8	132	373.2	372.9	55.6
-17	19.8	19.8	-27.2	33	77.5	77.4	0.6	83	188.2	188.0	28.3	133	378.0	377.7	56.1
-16	20.6	20.6	-26.7	34	79.1	79.0	1.1	84	191.1	191.0	28.9	134	382.9	382.6	56.7
-15	21.4	21.4	-26.1	35	80.7	80.7	1.7	85	194.1	193.9	29.4	135	387.8	387.5	57.2
-14	22.2	22.2	-25.6	36	82.4	82.3	2.2	86	197.1	196.9	30.0	136	392.7	392.4	57.8
-13	23.0	23.0	-25.0	37	84.1	84.0	2.8	87	200.1	199.9	30.6	137	397.7	397.4	58.3
-12	23.8	23.8	-24.4	38	85.8	85.7	3.3	88	203.1	202.9	31.1	138	402.7	402.5	58.9
-11	24.7	24.7	-23.9	39	87.5	87.4	3.9	89	206.2	206.0	31.7	139	407.8	407.5	59.4
-10	25.5	25.5	-23.3	40	89.2	89.2	4.4	90	209.3	209.1	32.2	140	413.0	412.7	60.0
-9	26.4	26.4	-22.8	41	91.0	90.9	5.0	91	212.5	212.3	32.8	141	418.2	417.9	60.6
-8	27.3	27.2	-22.2	42	92.8	92.7	5.6	92	215.6	215.4	33.3	142	423.4	423.1	61.1
-7	28.2	28.1	-21.7	43	94.6	94.6	6.1	93	218.9	218.7	33.9	143	428.7	428.4	61.7
-6	29.1	29.0	-21.1	44	96.5	96.4	6.7	94	222.1	221.9	34.4	144	434.1	433.8	62.2
-5	30.0	30.0	-20.6	45	98.3	98.3	7.2	95	225.4	225.2	35.0	145	439.5	439.2	62.8
-4	30.9	30.9	-20.0	46	100.2	100.1	7.8	96	228.7	228.5	35.6	146	445.0	444.7	63.3
-3	31.9	31.9	-19.4	47	102.1	102.0	8.3	97	232.0	231.8	36.1	147	450.5	450.2	63.9
-2	32.8	32.8	-18.9	48	104.1	104.0	8.9	98	235.4	235.2	36.7	148	456.1	455.8	64.4
-1	33.8	33.8	-18.3	49	106.0	105.9	9.4	99	238.8	238.6	37.2	149	461.7	461.5	65.0
0	34.8	34.8	-17.8	50	108.0	107.9	10.0	100	242.3	242.1	37.8	150	467.4	467.2	65.6

*Red Italics Indicate Inches of Mercury Below Atmospheric Pressure

This data was generated using the NIST REFPROP Database

(Lemmon, E.W., Huber, M.L., McLinden, M.O. NIST Standard Reference Database 23: Reference Fluid Thermodynamic and Transport Properties-REFPROP, Version 9.0, National Institute of Standards and Technology, Standard Reference Data Program, Gaithersburg, 2010)