

RS-44 (R424A) PRESSURE & TEMPERATURE TABLE : ABSOLUTE



TEMPERATURE	BUBBLE PRESSURE (LIQUID)	DEW PRESSURE (VAPOUR)	BUBBLE PRESSURE (LIQUID)	DEW PRESSURE (VAPOUR)	BUBBLE PRESSURE (LIQUID)	DEW PRESSURE (VAPOUR)
(oC)	(kPa)	(kPa)	(bara)	(bara)	(psia)	(psia)
-60	33.60	20.40	0.34	0.20	4.87	2.96
-58	37.60	23.20	0.38	0.23	5.45	3.36
-56	42.10	26.30	0.42	0.26	6.10	3.81
-54	47.00	29.80	0.47	0.30	6.82	4.32
-52	52.30	33.60	0.52	0.34	7.58	4.87
-50	58.10	37.80	0.58	0.38	8.42	5.48
-48	64.40	42.50	0.64	0.43	9.34	6.16
-46	71.30	47.50	0.71	0.48	10.34	6.89
-44	78.70	53.10	0.79	0.53	11.41	7.70
-42	86.70	59.10	0.87	0.59	12.57	8.57
-40	95.30	65.70	0.95	0.66	13.82	9.53
-38	104.60	72.80	1.05	0.73	15.17	10.56
-36	114.60	80.60	1.15	0.81	16.62	11.69
-34	125.30	89.00	1.25	0.89	18.17	12.91
-32	136.80	98.10	1.37	0.98	19.84	14.22
-30	149.10	107.90	1.49	1.08	21.62	15.65
-28	162.30	118.40	1.62	1.18	23.53	17.17
-26	176.30	129.70	1.76	1.30	25.56	18.81
-24	191.30	141.90	1.91	1.42	27.74	20.58
-22	207.20	154.90	2.07	1.55	30.04	22.46
-20	224.20	168.90	2.24	1.69	32.51	24.49
-18	242.10	183.80	2.42	1.84	35.10	26.65
-16	261.20	199.70	2.61	2.00	37.87	28.96
-14	281.40	216.70	2.81	2.17	40.80	31.42
-12	302.80	234.80	3.03	2.35	43.91	34.05
-10	325.40	254.00	3.25	2.54	47.18	36.83
-8	349.20	274.40	3.49	2.74	50.63	39.79
-6	374.40	296.00	3.74	2.96	54.29	42.92
-4	400.90	318.90	4.01	3.19	58.13	46.24
-2	428.80	343.10	4.29	3.43	62.18	49.75
0	458.10	368.80	4.58	3.69	66.42	53.48
2	489.00	395.80	4.89	3.96	70.91	57.39
4	521.30	424.40	5.21	4.24	75.59	61.54
6	555.30	454.50	5.55	4.55	80.52	65.90
8	590.90	486.20	5.91	4.86	85.68	70.50
10	628.20	519.50	6.28	5.20	91.09	75.33
12	667.20	554.60	6.67	5.55	96.74	80.42
14	708.00	591.40	7.08	5.91	102.66	85.75
16	750.70	630.10	7.51	6.30	108.85	91.36
18	795.20	670.60	7.95	6.71	115.30	97.24
20	841.70	713.00	8.42	7.13	122.05	103.39
22	890.10	757.50	8.90	7.58	129.06	109.84
24	940.60	804.00	9.41	8.04	136.39	116.58
26	993.20	852.70	9.93	8.53	144.01	123.64
28	1048.00	903.50	10.48	9.04	151.96	131.01
30	1105.00	956.60	11.05	9.57	160.23	138.71
32	1164.20	1012.00	11.64	10.12	168.81	146.74
34	1225.70	1069.80	12.26	10.70	177.73	155.12
36	1289.70	1130.10	12.90	11.30	187.01	163.86
38	1356.10	1192.90	13.56	11.93	196.63	172.97
40	1425.00	1258.30	14.25	12.58	206.63	182.45
42	1496.40	1326.40	14.96	13.26	216.98	192.33
44	1570.50	1397.20	15.71	13.97	227.72	202.59
46	1647.20	1470.90	16.47	14.71	238.84	213.28
48	1726.80	1547.50	17.27	15.48	250.39	224.39
50	1809.10	1627.20	18.09	16.27	262.32	235.94
52	1894.30	1710.00	18.94	17.10	274.67	247.95
54	1982.50	1796.00	19.83	17.96	287.46	260.42
56	2073.70	1885.30	20.74	18.85	300.69	273.37
58	2168.00	1978.00	21.68	19.78	314.36	286.81
60	2265.50	2074.30	22.66	20.74	328.50	300.77
62	2366.30	2174.30	23.66	21.74	343.11	315.27
64	2470.40	2278.10	24.70	22.78	358.21	330.32
66	2577.80	2385.90	25.78	23.86	373.78	345.96
68	2688.80	2497.80	26.89	24.98	389.88	362.18
70	2803.40	2614.10	28.03	26.14	406.49	379.04
72	2921.60	2734.90	29.22	27.35	423.63	396.56
74	3043.60	2860.60	30.44	28.61	441.32	414.79
76	3169.40	2991.40	31.69	29.91	459.56	433.75
78	3299.00	3127.90	32.99	31.28	478.36	453.55
80	3432.40	3270.60	34.32	32.71	497.70	474.24

TEMPERATURE GLIDE: APPROXIMATELY 3 DEG C

RS-44 (R424A) PRESSURE & TEMPERATURE TABLE : GAUGE



TEMPERATURE	BUBBLE PRESSURE (LIQUID)	DEW PRESSURE (VAPOUR)	BUBBLE PRESSURE (LIQUID)	DEW PRESSURE (VAPOUR)	BUBBLE PRESSURE (LIQUID)	DEW PRESSURE (VAPOUR)
(oC)	(kPag)	(kPag)	(barg)	(barg)	(psig)	(psig)
-60	-67.70	-80.90	-0.68	-0.81	-9.82	-11.73
-58	-63.70	-78.10	-0.64	-0.78	-9.24	-11.32
-56	-59.20	-75.00	-0.59	-0.75	-8.58	-10.88
-54	-54.30	-71.50	-0.54	-0.72	-7.87	-10.37
-52	-49.00	-67.70	-0.49	-0.68	-7.11	-9.82
-50	-43.20	-63.50	-0.43	-0.64	-6.26	-9.21
-48	-36.90	-58.80	-0.37	-0.59	-5.35	-8.53
-46	-30.00	-53.80	-0.30	-0.54	-4.35	-7.80
-44	-22.60	-48.20	-0.23	-0.48	-3.28	-6.99
-42	-14.60	-42.20	-0.15	-0.42	-2.12	-6.12
-40	-6.00	-35.60	-0.06	-0.36	-0.87	-5.16
-38	3.30	-28.50	0.03	-0.29	0.48	-4.13
-36	13.30	-20.70	0.13	-0.21	1.93	-3.00
-34	24.00	-12.30	0.24	-0.12	3.48	-1.78
-32	35.50	-3.20	0.36	-0.03	5.15	-0.46
-30	47.80	6.60	0.48	0.07	6.93	0.96
-28	61.00	17.10	0.61	0.17	8.85	2.48
-26	75.00	28.40	0.75	0.28	10.88	4.12
-24	90.00	40.60	0.90	0.41	13.05	5.89
-22	105.90	53.60	1.06	0.54	15.36	7.77
-20	122.90	67.60	1.23	0.68	17.82	9.80
-18	140.80	82.50	1.41	0.83	20.42	11.96
-16	159.90	98.40	1.60	0.98	23.19	14.27
-14	180.10	115.40	1.80	1.15	26.11	16.73
-12	201.50	133.50	2.02	1.34	29.22	19.36
-10	224.10	152.70	2.24	1.53	32.49	22.14
-8	247.90	173.10	2.48	1.73	35.95	25.10
-6	273.10	194.70	2.73	1.95	39.60	28.23
-4	299.60	217.60	3.00	2.18	43.44	31.55
-2	327.50	241.80	3.28	2.42	47.49	35.06
0	356.80	267.50	3.57	2.68	51.74	38.79
2	387.70	294.50	3.88	2.95	56.22	42.70
4	420.00	323.10	4.20	3.23	60.90	46.85
6	454.00	353.20	4.54	3.53	65.83	51.21
8	489.60	384.90	4.90	3.85	70.99	55.81
10	526.90	418.20	5.27	4.18	76.40	60.64
12	565.90	453.30	5.66	4.53	82.06	65.73
14	606.70	490.10	6.07	4.90	87.97	71.06
16	649.40	528.80	6.49	5.29	94.16	76.68
18	693.90	569.30	6.94	5.69	100.62	82.55
20	740.40	611.70	7.40	6.12	107.36	88.70
22	788.80	656.20	7.89	6.56	114.38	95.15
24	839.30	702.70	8.39	7.03	121.70	101.89
26	891.90	751.40	8.92	7.51	129.33	108.95
28	946.70	802.20	9.47	8.02	137.27	116.32
30	1003.70	855.30	10.04	8.55	145.54	124.02
32	1062.90	910.70	10.63	9.11	154.12	132.05
34	1124.40	968.50	11.24	9.69	163.04	140.43
36	1188.40	1028.80	11.88	10.29	172.32	149.18
38	1254.80	1091.60	12.55	10.92	181.95	158.28
40	1323.70	1157.00	13.24	11.57	191.94	167.77
42	1395.10	1225.10	13.95	12.25	202.29	177.64
44	1469.20	1295.90	14.69	12.96	213.03	187.91
46	1545.90	1369.60	15.46	13.70	224.16	198.59
48	1625.50	1446.20	16.26	14.46	235.70	209.70
50	1707.80	1525.90	17.08	15.26	247.63	221.26
52	1793.00	1608.70	17.93	16.09	259.99	233.26
54	1881.20	1694.70	18.81	16.95	272.77	245.73
56	1972.40	1784.00	19.72	17.84	286.00	258.68
58	2066.70	1876.70	20.67	18.77	299.67	272.12
60	2164.20	1973.00	21.64	19.73	313.81	286.09
62	2265.00	2073.00	22.65	20.73	328.43	300.59
64	2369.10	2176.80	23.69	21.77	343.52	315.64
66	2476.50	2284.60	24.77	22.85	359.09	331.27
68	2587.50	2396.50	25.88	23.97	375.19	347.49
70	2702.10	2512.80	27.02	25.13	391.80	364.36
72	2820.30	2633.60	28.20	26.34	408.94	381.87
74	2942.30	2759.30	29.42	27.59	426.63	400.10
76	3068.10	2890.10	30.68	28.90	444.87	419.06
78	3197.70	3026.60	31.98	30.27	463.67	438.86
80	3331.10	3169.30	33.31	31.69	483.01	459.55

TEMPERATURE GLIDE: APPROXIMATELY 3 DEG C