

# 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	35.50	24.72	0.35	0.25	5.15	3.59
-58	39.77	28.01	0.40	0.28	5.77	4.06
-56	44.46	31.64	0.44	0.32	6.45	4.59
-54	49.58	35.65	0.50	0.36	7.19	5.17
-52	55.16	40.07	0.55	0.40	8.00	5.81
-50	61.24	44.91	0.61	0.45	8.88	6.51
-48	67.84	50.21	0.68	0.50	9.84	7.28
-46	75.00	56.01	0.75	0.56	10.88	8.12
-44	82.74	62.33	0.83	0.62	12.00	9.04
-42	91.10	69.20	0.91	0.69	13.21	10.04
-40	100.12	76.67	1.00	0.77	14.52	11.12
-38	109.83	84.77	1.10	0.85	15.93	12.29
-36	120.26	93.53	1.20	0.94	17.44	13.56
-34	131.46	102.99	1.31	1.03	19.07	14.94
-32	143.45	113.19	1.43	1.13	20.81	16.42
-30	156.29	124.16	1.56	1.24	22.67	18.01
-28	170.00	135.96	1.70	1.36	24.66	19.72
-26	184.62	148.61	1.85	1.49	26.78	21.55
-24	200.21	162.17	2.00	1.62	29.04	23.52
-22	216.80	176.67	2.17	1.77	31.44	25.62
-20	234.42	192.16	2.34	1.92	34.00	27.87
-18	253.13	208.68	2.53	2.09	36.71	30.27
-16	272.97	226.28	2.73	2.26	39.59	32.82
-14	293.98	245.01	2.94	2.45	42.64	35.54
-12	316.20	264.91	3.16	2.65	45.86	38.42
-10	339.68	286.03	3.40	2.86	49.27	41.49
-8	364.48	308.41	3.64	3.08	52.86	44.73
-6	390.62	332.12	3.91	3.32	56.65	48.17
-4	418.17	357.19	4.18	3.57	60.65	51.81
-2	447.16	383.68	4.47	3.84	64.86	55.65
0	477.65	411.64	4.78	4.12	69.28	59.70
2	509.69	441.13	5.10	4.41	73.92	63.98
4	543.33	472.19	5.43	4.72	78.80	68.49
6	578.61	504.89	5.79	5.05	83.92	73.23
8	615.58	539.27	6.16	5.39	89.28	78.21
10	654.31	575.39	6.54	5.75	94.90	83.45
12	694.84	613.31	6.95	6.13	100.78	88.95
14	737.22	653.09	7.37	6.53	106.92	94.72
16	781.50	694.78	7.82	6.95	113.35	100.77
18	827.75	738.44	8.28	7.38	120.06	107.10
20	876.02	784.14	8.76	7.84	127.06	113.73
22	926.36	831.94	9.26	8.32	134.36	120.66
24	978.83	881.90	9.79	8.82	141.97	127.91
26	1033.50	934.08	10.34	9.34	149.90	135.48
28	1090.40	988.54	10.90	9.89	158.15	143.38
30	1149.60	1045.40	11.50	10.45	166.74	151.62
32	1211.10	1104.60	12.11	11.05	175.66	160.21
34	1275.10	1166.30	12.75	11.66	184.94	169.16
36	1341.60	1230.60	13.42	12.31	194.58	178.48
38	1410.60	1297.60	14.11	12.98	204.59	188.20
40	1482.20	1367.20	14.82	13.67	214.98	198.30
42	1556.50	1439.60	15.57	14.40	225.75	208.80
44	1633.60	1514.90	16.34	15.15	236.93	219.72
46	1713.40	1593.20	17.13	15.93	248.51	231.07
48	1796.20	1674.50	17.96	16.75	260.52	242.87
50	1881.90	1758.90	18.82	17.59	272.95	255.11
52	1970.60	1846.50	19.71	18.47	285.81	267.81
54	2062.40	1937.50	20.62	19.38	299.13	281.01
56	2157.40	2031.90	21.57	20.32	312.90	294.70
58	2255.70	2129.80	22.56	21.30	327.16	308.90
60	2357.30	2231.30	23.57	22.31	341.90	323.62
62	2462.40	2336.70	24.62	23.37	357.14	338.91
64	2570.90	2446.00	25.71	24.46	372.88	354.76
66	2683.10	2559.30	26.83	25.59	389.15	371.20
68	2799.10	2677.00	27.99	26.77	405.98	388.27
70	2918.80	2799.10	29.19	27.99	423.34	405.98
72	3042.50	2925.90	30.43	29.26	441.28	424.37
74	3170.20	3057.70	31.70	30.58	459.80	443.48
76	3302.00	3194.90	33.02	31.95	478.92	463.38
78	3438.00	3338.10	34.38	33.38	498.64	484.15
80	3578.10	3488.00	35.78	34.88	518.96	505.89

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	-65.83	-76.60	-0.66	-0.77	-9.55	-11.11
-58	-61.55	-73.32	-0.62	-0.73	-8.93	-10.63
-56	-56.87	-69.68	-0.57	-0.70	-8.25	-10.11
-54	-51.75	-65.67	-0.52	-0.66	-7.51	-9.52
-52	-46.16	-61.26	-0.46	-0.61	-6.70	-8.89
-50	-40.09	-56.42	-0.40	-0.56	-5.81	-8.18
-48	-33.49	-51.11	-0.33	-0.51	-4.86	-7.41
-46	-26.33	-45.32	-0.26	-0.45	-3.82	-6.57
-44	-18.59	-39.00	-0.19	-0.39	-2.70	-5.66
-42	-10.22	-32.12	-0.10	-0.32	-1.48	-4.66
-40	-1.21	-24.65	-0.01	-0.25	-0.17	-3.58
-38	8.50	-16.56	0.09	-0.17	1.23	-2.40
-36	18.94	-7.80	0.19	-0.08	2.75	-1.13
-34	30.13	1.66	0.30	0.02	4.37	0.24
-32	42.13	11.86	0.42	0.12	6.11	1.72
-30	54.96	22.84	0.55	0.23	7.97	3.31
-28	68.67	34.63	0.69	0.35	9.96	5.02
-26	83.30	47.29	0.83	0.47	12.08	6.86
-24	98.89	60.85	0.99	0.61	14.34	8.82
-22	115.47	75.35	1.15	0.75	16.75	10.93
-20	133.10	90.84	1.33	0.91	19.30	13.17
-18	151.81	107.36	1.52	1.07	22.02	15.57
-16	171.64	124.96	1.72	1.25	24.89	18.12
-14	192.65	143.69	1.93	1.44	27.94	20.84
-12	214.87	163.58	2.15	1.64	31.16	23.73
-10	238.36	184.70	2.38	1.85	34.57	26.79
-8	263.15	207.09	2.63	2.07	38.17	30.04
-6	289.30	230.79	2.89	2.31	41.96	33.47
-4	316.84	255.87	3.17	2.56	45.95	37.11
-2	345.84	282.36	3.46	2.82	50.16	40.95
0	376.33	310.32	3.76	3.10	54.58	45.01
2	408.37	339.81	4.08	3.40	59.23	49.29
4	442.00	370.87	4.42	3.71	64.11	53.79
6	477.28	403.56	4.77	4.04	69.22	58.53
8	514.26	437.94	5.14	4.38	74.59	63.52
10	552.98	474.06	5.53	4.74	80.20	68.76
12	593.51	511.99	5.94	5.12	86.08	74.26
14	635.89	551.76	6.36	5.52	92.23	80.03
16	680.18	593.45	6.80	5.93	98.65	86.07
18	726.43	637.12	7.26	6.37	105.36	92.41
20	774.70	682.82	7.75	6.83	112.36	99.03
22	825.03	730.62	8.25	7.31	119.66	105.97
24	877.50	780.57	8.78	7.81	127.27	113.21
26	932.15	832.75	9.32	8.33	135.20	120.78
28	989.05	887.22	9.89	8.87	143.45	128.68
30	1048.20	944.04	10.48	9.44	152.03	136.92
32	1109.80	1003.30	11.10	10.03	160.96	145.52
34	1173.80	1065.00	11.74	10.65	170.25	154.47
36	1240.30	1129.30	12.40	11.29	179.89	163.79
38	1309.30	1196.20	13.09	11.96	189.90	173.49
40	1380.90	1265.90	13.81	12.66	200.28	183.60
42	1455.20	1338.30	14.55	13.38	211.06	194.10
44	1532.30	1413.60	15.32	14.14	222.24	205.03
46	1612.10	1491.90	16.12	14.92	233.82	216.38
48	1694.90	1573.20	16.95	15.73	245.82	228.17
50	1780.50	1657.60	17.81	16.58	258.24	240.41
52	1869.30	1745.20	18.69	17.45	271.12	253.12
54	1961.10	1836.20	19.61	18.36	284.43	266.32
56	2056.10	1930.50	20.56	19.31	298.21	280.00
58	2154.40	2028.50	21.54	20.29	312.47	294.21
60	2256.00	2130.00	22.56	21.30	327.21	308.93
62	2361.00	2235.40	23.61	22.35	342.43	324.22
64	2469.60	2344.70	24.70	23.45	358.19	340.07
66	2581.80	2458.00	25.82	24.58	374.46	356.50
68	2697.70	2575.60	26.98	25.76	391.27	373.56
70	2817.50	2697.70	28.18	26.98	408.64	391.27
72	2941.10	2824.50	29.41	28.25	426.57	409.66
74	3068.80	2956.40	30.69	29.56	445.09	428.79
76	3200.70	3093.60	32.01	30.94	464.22	448.69
78	3336.70	3236.70	33.37	32.37	483.95	469.44
80	3476.80	3386.70	34.77	33.87	504.27	491.20

TEMPERATURE GLIDE: APPROXIMATELY 3 DEG C