

# 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	-66.40	-79.60	-0.66	-0.80	-9.83	-11.74
-58	-62.40	-76.80	-0.62	-0.77	-9.25	-11.34
-56	-57.90	-73.70	-0.58	-0.74	-8.60	-10.89
-54	-53.00	-70.20	-0.53	-0.70	-7.89	-10.38
-52	-47.70	-66.40	-0.48	-0.66	-7.12	-9.83
-50	-41.90	-62.20	-0.42	-0.62	-6.28	-9.22
-48	-35.60	-57.50	-0.36	-0.58	-5.36	-8.54
-46	-28.70	-52.50	-0.29	-0.53	-4.36	-7.81
-44	-21.30	-46.90	-0.21	-0.47	-3.29	-7.00
-42	-13.30	-40.90	-0.13	-0.41	-2.13	-6.13
-40	-4.70	-34.30	-0.05	-0.34	-0.88	-5.17
-38	4.60	-27.20	0.05	-0.27	0.47	-4.14
-36	14.60	-19.40	0.15	-0.19	1.92	-3.01
-34	25.30	-11.00	0.25	-0.11	3.47	-1.80
-32	36.80	-1.90	0.37	-0.02	5.14	-0.48
-30	49.10	7.90	0.49	0.08	6.92	0.95
-28	62.30	18.40	0.62	0.18	8.83	2.47
-26	76.30	29.70	0.76	0.30	10.86	4.11
-24	91.30	41.90	0.91	0.42	13.04	5.88
-22	107.20	54.90	1.07	0.55	15.34	7.76
-20	124.20	68.90	1.24	0.69	17.81	9.79
-18	142.10	83.80	1.42	0.84	20.40	11.95
-16	161.20	99.70	1.61	1.00	23.17	14.26
-14	181.40	116.70	1.81	1.17	26.10	16.72
-12	202.80	134.80	2.03	1.35	29.21	19.35
-10	225.40	154.00	2.25	1.54	32.48	22.13
-8	249.20	174.40	2.49	1.74	35.93	25.09
-6	274.40	196.00	2.74	1.96	39.59	28.22
-4	300.90	218.90	3.01	2.19	43.43	31.54
-2	328.80	243.10	3.29	2.43	47.48	35.05
0	358.10	268.80	3.58	2.69	51.72	38.78
2	389.00	295.80	3.89	2.96	56.21	42.69
4	421.30	324.40	4.21	3.24	60.89	46.84
6	455.30	354.50	4.55	3.55	65.82	51.20
8	490.90	386.20	4.91	3.86	70.98	55.80
10	528.20	419.50	5.28	4.20	76.39	60.63
12	567.20	454.60	5.67	4.55	82.04	65.72
14	608.00	491.40	6.08	4.91	87.96	71.05
16	650.70	530.10	6.51	5.30	94.15	76.66
18	695.20	570.60	6.95	5.71	100.60	82.54
20	741.70	613.00	7.42	6.13	107.35	88.69
22	790.10	657.50	7.90	6.58	114.36	95.14
24	840.60	704.00	8.41	7.04	121.69	101.88
26	893.20	752.70	8.93	7.53	129.31	108.94
28	948.00	803.50	9.48	8.04	137.26	116.31
30	1005.00	856.60	10.05	8.57	145.53	124.01
32	1064.20	912.00	10.64	9.12	154.11	132.04
34	1125.70	969.80	11.26	9.70	163.03	140.42
36	1189.70	1030.10	11.90	10.30	172.31	149.16
38	1256.10	1092.90	12.56	10.93	181.93	158.27
40	1325.00	1158.30	13.25	11.58	191.93	167.75
42	1396.40	1226.40	13.96	12.26	202.28	177.63
44	1470.50	1297.20	14.71	12.97	213.02	187.89
46	1547.20	1370.90	15.47	13.71	224.14	198.58
48	1626.80	1447.50	16.27	14.48	235.69	209.69
50	1709.10	1527.20	17.09	15.27	247.62	221.24
52	1794.30	1610.00	17.94	16.10	259.97	233.25
54	1882.50	1696.00	18.83	16.96	272.76	245.72
56	1973.70	1785.30	19.74	17.85	285.99	258.67
58	2068.00	1878.00	20.68	18.78	299.66	272.11
60	2165.50	1974.30	21.66	19.74	313.80	286.07
62	2266.30	2074.30	22.66	20.74	328.41	300.57
64	2370.40	2178.10	23.70	21.78	343.51	315.62
66	2477.80	2285.90	24.78	22.86	359.08	331.26
68	2588.80	2397.80	25.89	23.98	375.18	347.48
70	2703.40	2514.10	27.03	25.14	391.79	364.34
72	2821.60	2634.90	28.22	26.35	408.93	381.86
74	2943.60	2760.60	29.44	27.61	426.62	400.09
76	3069.40	2891.40	30.69	28.91	444.86	419.05
78	3199.00	3027.90	31.99	30.28	463.66	438.85
80	3332.40	3170.60	33.32	31.71	483.00	459.54

TEMPERATURE GLIDE: APPROXIMATELY 3 DEG C