



RS-52 (R428A) 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	55.20	52.00	0.55	0.52	8.00	7.54
-58	61.47	58.03	0.61	0.58	8.91	8.41
-56	68.31	64.60	0.68	0.65	9.90	9.37
-54	75.74	71.76	0.76	0.72	10.98	10.41
-52	83.80	79.53	0.84	0.80	12.15	11.53
-50	92.52	87.96	0.93	0.88	13.42	12.75
-48	101.95	97.07	1.02	0.97	14.78	14.07
-46	112.12	106.91	1.12	1.07	16.26	15.50
-44	123.07	117.51	1.23	1.18	17.85	17.04
-42	134.84	128.93	1.35	1.29	19.55	18.69
-40	147.47	141.19	1.47	1.41	21.38	20.47
-38	161.00	154.34	1.61	1.54	23.35	22.38
-36	175.49	168.42	1.75	1.68	25.45	24.42
-34	190.96	183.48	1.91	1.83	27.69	26.60
-32	207.48	199.56	2.07	2.00	30.08	28.94
-30	225.07	216.71	2.25	2.17	32.64	31.42
-28	243.79	234.96	2.44	2.35	35.35	34.07
-26	263.68	254.38	2.64	2.54	38.23	36.89
-24	284.79	275.00	2.85	2.75	41.29	39.88
-22	307.17	296.88	3.07	2.97	44.54	43.05
-20	330.87	320.06	3.31	3.20	47.98	46.41
-18	355.94	344.60	3.56	3.45	51.61	49.97
-16	382.43	370.54	3.82	3.71	55.45	53.73
-14	410.38	397.94	4.10	3.98	59.51	57.70
-12	439.86	426.84	4.40	4.27	63.78	61.89
-10	470.90	457.30	4.71	4.57	68.28	66.31
-8	503.58	489.38	5.04	4.89	73.02	70.96
-6	537.93	523.12	5.38	5.23	78.00	75.85
-4	574.01	558.59	5.74	5.59	83.23	81.00
-2	611.88	595.83	6.12	5.96	88.72	86.40
0	651.60	634.91	6.52	6.35	94.48	92.06
2	693.21	675.88	6.93	6.76	100.52	98.00
4	736.78	718.80	7.37	7.19	106.83	104.23
6	782.37	763.73	7.82	7.64	113.44	110.74
8	830.03	810.73	8.30	8.11	120.35	117.56
10	879.82	859.86	8.80	8.60	127.57	124.68
12	931.81	911.18	9.32	9.11	135.11	132.12
14	986.05	964.76	9.86	9.65	151.18	139.89
16	1042.60	1020.70	10.43	10.21	151.18	148.00
18	1101.60	1078.90	11.02	10.79	159.73	156.44
20	1162.90	1139.70	11.63	11.40	168.62	165.26
22	1226.90	1202.90	12.27	12.03	177.90	174.42
24	1293.30	1268.80	12.93	12.69	187.53	183.98
26	1362.50	1337.30	13.63	13.37	197.56	193.91
28	1434.40	1408.60	14.34	14.09	207.99	204.25
30	1509.00	1482.70	15.09	14.83	218.81	214.99
32	1586.60	1559.70	15.87	15.60	230.06	226.16
34	1667.00	1639.60	16.67	16.40	241.72	237.74
36	1750.60	1722.70	17.51	17.23	253.84	249.79
38	1837.20	1808.90	18.37	18.09	266.39	262.29
40	1927.00	1898.30	19.27	18.98	279.42	275.25
42	2020.20	1991.10	20.20	19.91	292.93	288.71
44	2116.70	2087.40	21.17	20.87	306.92	302.67
46	2216.70	2187.20	22.17	21.87	321.42	317.14
48	2320.40	2290.70	23.20	22.91	336.46	332.15
50	2427.70	2398.10	24.28	23.98	352.02	347.72
52	2538.90	2509.40	25.39	25.09	368.14	363.86
54	2654.10	2624.80	26.54	26.25	384.84	380.60
56	2773.30	2744.60	27.73	27.45	402.13	397.97
58	2896.90	2868.90	28.97	28.69	420.05	415.99
60	3025.00	2998.00	30.25	29.98	438.63	434.71
62	3157.80	3132.20	31.58	31.32	457.88	454.17
64	3295.50	3272.00	32.96	32.72	477.85	474.44
66	3438.50	3418.20	34.39	34.18	498.58	495.64

TEMPERATURE GLIDE: APPROXIMATELY 0.5 DEG C



RS-52 (R428A) 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	-46.10	-49.30	-0.46	-0.49	-6.69	-7.15
-58	-39.83	-43.27	-0.40	-0.43	-5.77	-6.27
-56	-32.99	-36.70	-0.33	-0.37	-4.78	-5.32
-54	-25.56	-29.54	-0.26	-0.30	-3.71	-4.28
-52	-17.50	-21.77	-0.18	-0.22	-2.54	-3.16
-50	-8.78	-13.34	-0.09	-0.13	-1.27	-1.93
-48	0.65	-4.23	0.01	-0.04	0.09	-0.61
-46	10.82	5.61	0.11	0.06	1.57	0.81
-44	21.77	16.21	0.22	0.16	3.16	2.35
-42	33.54	27.63	0.34	0.28	4.86	4.01
-40	46.17	39.89	0.46	0.40	6.69	5.78
-38	59.70	53.04	0.60	0.53	8.66	7.69
-36	74.19	67.12	0.74	0.67	10.76	9.73
-34	89.66	82.18	0.90	0.82	13.00	11.92
-32	106.18	98.26	1.06	0.98	15.40	14.25
-30	123.77	115.41	1.24	1.15	17.95	16.73
-28	142.49	133.66	1.42	1.34	20.66	19.38
-26	162.38	153.08	1.62	1.53	23.55	22.20
-24	183.49	173.70	1.83	1.74	26.61	25.19
-22	205.87	195.58	2.06	1.96	29.85	28.36
-20	229.57	218.76	2.30	2.19	33.29	31.72
-18	254.64	243.30	2.55	2.43	36.92	35.28
-16	281.13	269.24	2.81	2.69	40.76	39.04
-14	309.08	296.64	3.09	2.97	44.82	43.01
-12	338.56	325.54	3.39	3.26	49.09	47.20
-10	369.60	356.00	3.70	3.56	53.59	51.62
-8	402.28	388.08	4.02	3.88	58.33	56.27
-6	436.63	421.82	4.37	4.22	63.31	61.16
-4	472.71	457.29	4.73	4.57	68.54	66.31
-2	510.58	494.53	5.11	4.95	74.03	71.71
0	550.30	533.61	5.50	5.34	79.79	77.37
2	591.91	574.58	5.92	5.75	85.83	83.31
4	635.48	617.50	6.35	6.18	92.14	89.54
6	681.07	662.43	6.81	6.62	98.76	96.05
8	728.73	709.43	7.29	7.09	105.67	102.87
10	778.52	758.56	7.79	7.59	112.89	109.99
12	830.51	809.88	8.31	8.10	120.42	117.43
14	884.75	863.46	8.85	8.63	128.29	125.20
16	941.30	919.40	9.41	9.19	136.49	133.31
18	1000.30	977.60	10.00	9.78	145.04	141.75
20	1061.60	1038.40	10.62	10.38	153.93	150.57
22	1125.60	1101.60	11.26	11.02	163.21	159.73
24	1192.00	1167.50	11.92	11.68	172.84	169.29
26	1261.20	1236.00	12.61	12.36	182.87	179.22
28	1333.10	1307.30	13.33	13.07	193.30	189.56
30	1407.70	1381.40	14.08	13.81	204.12	200.30
32	1485.30	1458.40	14.85	14.58	215.37	211.47
34	1565.70	1538.30	15.66	15.38	227.03	223.05
36	1649.30	1621.40	16.49	16.21	239.15	235.10
38	1735.90	1707.60	17.36	17.08	251.71	247.60
40	1825.70	1797.00	18.26	17.97	264.73	260.57
42	1918.90	1889.80	19.19	18.90	278.24	274.02
44	2015.40	1986.10	20.15	19.86	292.23	287.98
46	2115.40	2085.90	21.15	20.86	306.73	302.46
48	2219.10	2189.40	22.19	21.89	321.77	317.46
50	2326.40	2296.80	23.26	22.97	337.33	333.04
52	2437.60	2408.10	24.38	24.08	353.45	349.17
54	2552.80	2523.50	25.53	25.24	370.16	365.91
56	2672.00	2643.30	26.72	26.43	387.44	383.28
58	2795.60	2767.60	27.96	27.68	405.36	401.30
60	2923.70	2896.70	29.24	28.97	423.94	420.02
62	3056.50	3030.90	30.57	30.31	443.19	439.48
64	3194.20	3170.70	31.94	31.71	463.16	459.75
66	3337.20	3316.90	33.37	33.17	483.89	480.95
68	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

TEMPERATURE GLIDE: APPROXIMATELY 0.5 DEG C