

RS-45 (R434A) 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	45.33	38.58	0.45	0.39	6.57	5.59
-58	50.64	43.34	0.51	0.43	7.34	6.28
-56	56.44	48.55	0.56	0.49	8.18	7.04
-54	62.75	54.25	0.63	0.54	9.10	7.87
-52	69.62	60.47	0.70	0.60	10.09	8.77
-50	77.07	67.25	0.77	0.67	11.18	9.75
-48	85.14	74.62	0.85	0.75	12.35	10.82
-46	93.86	82.61	0.94	0.83	13.61	11.98
-44	104.23	91.26	1.04	0.91	15.11	13.23
-42	114.46	100.61	1.14	1.01	16.60	14.59
-40	125.47	110.70	1.25	1.11	18.19	16.05
-38	137.28	121.56	1.37	1.22	19.91	17.63
-36	149.94	133.23	1.50	1.33	21.74	19.32
-34	163.49	145.76	1.63	1.46	23.71	21.14
-32	177.97	159.19	1.78	1.59	25.81	23.08
-30	193.42	173.55	1.93	1.74	28.05	25.16
-28	209.89	188.90	2.10	1.89	30.43	27.39
-26	227.41	205.28	2.27	2.05	32.97	29.77
-24	246.04	222.72	2.46	2.23	35.68	32.29
-22	265.82	241.29	2.66	2.41	38.54	34.99
-20	286.79	261.01	2.87	2.61	41.58	37.85
-18	309.00	281.95	3.09	2.82	44.81	40.88
-16	332.50	304.15	3.33	3.04	48.21	44.10
-14	357.33	327.65	3.57	3.28	51.81	47.51
-12	383.55	352.51	3.84	3.53	55.61	51.11
-10	411.19	378.78	4.11	3.79	59.62	54.92
-8	440.31	406.50	4.40	4.07	63.84	58.94
-6	470.97	435.73	4.71	4.36	68.29	63.18
-4	503.20	466.53	5.03	4.67	72.96	67.65
-2	537.11	498.93	5.33	4.99	77.24	72.34
0	572.61	533.01	5.73	5.33	83.03	77.29
2	609.89	568.80	6.10	5.69	88.43	82.48
4	648.96	606.37	6.49	6.06	94.10	87.92
6	689.88	645.78	6.90	6.46	100.03	93.64
8	732.68	687.07	7.33	6.87	106.24	99.63
10	777.45	730.32	7.77	7.30	112.73	105.90
12	824.21	775.57	8.24	7.76	119.51	112.46
14	873.05	822.88	8.73	8.23	126.59	119.32
16	924.00	872.32	9.24	8.72	133.98	126.49
18	977.14	923.95	9.77	9.24	141.69	133.97
20	1032.50	977.84	10.33	9.78	149.71	141.79
22	1090.20	1034.00	10.90	10.34	158.08	149.93
24	1150.20	1092.60	11.50	10.93	166.78	158.43
26	1212.70	1153.70	12.13	11.54	175.84	167.29
28	1277.60	1217.20	12.78	12.17	185.25	176.49
30	1345.00	1283.40	13.45	12.83	0.00	186.09
32	1415.30	1352.20	14.15	13.52	205.22	196.07
34	1488.10	1423.70	14.88	14.24	215.77	206.44
36	1563.60	1498.10	15.64	14.98	226.72	217.22
38	1642.00	1575.40	16.42	15.75	238.09	228.43
40	1723.30	1655.60	17.23	16.56	249.88	240.06
42	1807.60	1738.90	18.08	17.39	262.10	252.14
44	1895.00	1825.40	18.95	18.25	274.78	264.68
46	1985.50	1915.20	19.86	19.15	287.90	277.70
48	2079.20	2008.30	20.79	20.08	301.48	291.20
50	2176.20	2104.80	21.76	21.05	315.55	305.20
52	2276.70	2205.10	22.77	22.05	330.12	319.74
54	2380.70	2309.00	23.81	23.09	345.20	334.81
56	2488.30	2416.80	24.88	24.17	360.80	350.44
58	2599.60	2528.60	26.00	25.29	376.94	366.65
60	2714.70	2644.60	27.15	26.45	393.63	383.47
62	2833.90	2765.00	28.34	27.65	410.92	400.93
64	2957.20	2890.00	29.57	28.90	428.79	419.05
66	3084.70	3020.00	30.85	30.20	447.28	437.90
68	3216.60	3155.30	32.17	31.55	466.41	457.52
70	3353.10	3296.50	33.53	32.97	486.20	477.99
72	3494.20	3444.70	34.94	34.45	506.66	499.48
74	3667.30	3602.30	36.67	36.02	531.76	522.33

TEMPERATURE GLIDE: APPROXIMATELY 1.5 DEG C



RS-45 (R434A) 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	-54.67	-61.42	-0.55	-0.61	-8.13	-9.11
-58	-49.36	-56.66	-0.49	-0.57	-7.36	-8.42
-56	-43.56	-51.45	-0.44	-0.51	-6.52	-7.66
-54	-37.25	-45.75	-0.37	-0.46	-5.60	-6.83
-52	-30.38	-39.53	-0.30	-0.40	-4.61	-5.93
-50	-22.93	-32.75	-0.23	-0.33	-3.52	-4.95
-48	-14.86	-25.38	-0.15	-0.25	-2.35	-3.88
-46	-6.14	-17.39	-0.06	-0.17	-1.09	-2.72
-44	4.23	-8.74	0.04	-0.09	0.41	-1.47
-42	14.46	0.61	0.14	0.01	1.90	-0.11
-40	25.47	10.70	0.25	0.11	3.49	1.35
-38	37.28	21.56	0.37	0.22	5.21	2.93
-36	49.94	33.23	0.50	0.33	7.04	4.62
-34	63.49	45.76	0.63	0.46	9.01	6.44
-32	77.97	59.19	0.78	0.59	11.11	8.38
-30	93.42	73.55	0.93	0.74	13.35	10.46
-28	109.89	88.90	1.10	0.89	15.73	12.69
-26	127.41	105.28	1.27	1.05	18.27	15.07
-24	146.04	122.72	1.46	1.23	20.98	17.59
-22	165.82	141.29	1.66	1.41	23.84	20.29
-20	186.79	161.01	1.87	1.61	26.88	23.15
-18	209.00	181.95	2.09	1.82	30.11	26.18
-16	232.50	204.15	2.33	2.04	33.51	29.40
-14	257.33	227.65	2.57	2.28	37.11	32.81
-12	283.55	252.51	2.84	2.53	40.91	36.41
-10	311.19	278.78	3.11	2.79	44.92	40.22
-8	340.31	306.50	3.40	3.07	49.14	44.24
-6	370.97	335.73	3.71	3.36	53.59	48.48
-4	403.20	366.53	4.03	3.67	58.26	52.95
-2	437.71	398.93	4.33	3.99	62.54	57.64
0	472.61	433.01	4.73	4.33	68.33	62.59
2	509.89	468.80	5.10	4.69	73.73	67.78
4	548.96	506.37	5.49	5.06	79.40	73.22
6	589.88	545.78	5.90	5.46	85.33	78.94
8	632.68	587.07	6.33	5.87	91.54	84.93
10	677.45	630.32	6.77	6.30	98.03	91.20
12	724.21	675.57	7.24	6.76	104.81	97.76
14	773.05	722.88	7.73	7.23	111.89	104.62
16	824.00	772.32	8.24	7.72	119.28	111.79
18	877.14	823.95	8.77	8.24	126.99	119.27
20	932.50	877.84	9.33	8.78	135.01	127.09
22	990.20	934.00	9.90	9.34	143.38	135.23
24	1050.20	992.60	10.50	9.93	152.08	143.73
26	1112.70	1053.70	11.13	10.54	161.14	152.59
28	1177.60	1117.20	11.78	11.17	170.55	161.79
30	1245.00	1183.40	12.45	11.83	179.28	171.39
32	1315.30	1252.20	13.15	12.52	189.52	181.37
34	1388.10	1323.70	13.88	13.24	201.07	191.74
36	1463.60	1398.10	14.64	13.98	212.02	202.52
38	1542.00	1475.40	15.42	14.75	223.39	213.73
40	1623.30	1555.60	16.23	15.56	235.18	225.36
42	1707.60	1638.90	17.08	16.39	247.40	237.44
44	1795.00	1725.40	17.95	17.25	260.08	249.98
46	1885.50	1815.20	18.86	18.15	273.20	263.00
48	1979.20	1908.30	19.79	19.08	286.78	276.50
50	2076.20	2004.80	20.76	20.05	300.85	290.50
52	2176.70	2105.10	21.77	21.05	315.42	305.04
54	2280.70	2209.00	22.81	22.09	330.50	320.11
56	2388.30	2316.80	23.88	23.17	346.10	335.74
58	2499.60	2428.60	25.00	24.29	362.24	351.95
60	2614.70	2544.60	26.15	25.45	378.93	368.77
62	2733.90	2665.00	27.34	26.65	396.22	386.23
64	2857.20	2790.00	28.57	27.90	414.09	404.35
66	2984.70	2920.00	29.85	29.20	432.58	423.20
68	3116.60	3055.30	31.17	30.55	451.71	442.82
70	3253.10	3196.50	32.53	31.97	471.50	463.29
72	3394.20	3344.70	33.94	33.45	491.96	484.78
74	3567.30	3502.30	35.67	35.02	517.06	507.63

TEMPERATURE GLIDE: APPROXIMATELY 1.5 DEG C