

R434A Pressure Temperature Chart

R434A Temperature (°C)	Liquid			Vapour		
	Pressure (barA)	Pressure (barg)	Pressure (psig)	Pressure (barA)	Pressure (barg)	Pressure (psig)
-70	0.26	-0.75	-10.94	0.21	-0.81	-11.68
-68	0.29	-0.72	-10.44	0.24	-0.78	-11.25
-66	0.33	-0.68	-9.90	0.27	-0.74	-10.78
-64	0.37	-0.64	-9.30	0.31	-0.71	-10.25
-62	0.42	-0.60	-8.63	0.35	-0.67	-9.67
-60	0.47	-0.55	-7.91	0.39	-0.62	-9.03
-58	0.52	-0.49	-7.12	0.44	-0.57	-8.33
-56	0.58	-0.43	-6.25	0.49	-0.52	-7.55
-54	0.65	-0.37	-5.31	0.55	-0.46	-6.71
-52	0.72	-0.30	-4.28	0.61	-0.40	-5.78
-50	0.79	-0.22	-3.17	0.68	-0.33	-4.77
-48	0.88	-0.14	-1.96	0.76	-0.25	-3.68
-46	0.97	-0.05	-0.66	0.84	-0.17	-2.49
-44	1.06	0.05	0.74	0.93	-0.08	-1.20
-42	1.17	0.16	2.26	1.03	0.01	0.19
-40	1.28	0.27	3.88	1.13	0.12	1.70
-38	1.40	0.39	5.63	1.24	0.23	3.31
-36	1.53	0.52	7.50	1.36	0.35	5.05
-34	1.67	0.66	9.50	1.49	0.48	6.92
-32	1.82	0.80	11.64	1.63	0.62	8.93
-30	1.97	0.96	13.93	1.78	0.76	11.07
-28	2.14	1.13	16.36	1.93	0.92	13.36
-26	2.32	1.31	18.96	2.10	1.09	15.81
-24	2.51	1.50	21.71	2.28	1.27	18.41
-22	2.71	1.70	24.63	2.47	1.46	21.18
-20	2.93	1.91	27.74	2.68	1.66	24.13
-18	3.15	2.14	31.02	2.89	1.88	27.26
-16	3.39	2.38	34.49	3.12	2.11	30.57
-14	3.65	2.63	38.17	3.36	2.35	34.08
-12	3.91	2.90	42.04	3.62	2.61	37.80
-10	4.19	3.18	46.13	3.89	2.88	41.72
-8	4.49	3.48	50.44	4.18	3.16	45.86
-6	4.80	3.79	54.97	4.48	3.46	50.23
-4	5.13	4.12	59.74	4.79	3.78	54.84
-2	5.48	4.47	64.75	5.13	4.12	59.68
0	5.84	4.83	70.01	5.48	4.47	64.77
2	6.22	5.21	75.52	5.85	4.84	70.12
4	6.62	5.61	81.31	6.24	5.22	75.74
6	7.04	6.03	87.36	6.64	5.63	81.63
8	7.48	6.46	93.70	7.07	6.06	87.81
10	7.93	6.92	100.33	7.51	6.50	94.27
12	8.41	7.40	107.25	7.98	6.97	101.04



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14	8.91	7.90	114.49	8.47	7.46	108.11
16	9.43	8.42	122.04	8.98	7.97	115.50
18	9.97	8.96	129.91	9.51	8.50	123.22
20	10.54	9.53	138.11	10.07	9.05	131.28
22	11.13	10.12	146.67	10.65	9.63	139.69
24	11.74	10.73	155.57	11.25	10.24	148.45
26	12.38	11.37	164.84	11.88	10.87	157.57
28	13.05	12.03	174.46	12.54	11.52	167.08
30	13.74	12.72	184.48	13.22	12.21	176.97
32	14.45	13.44	194.88	13.93	12.91	187.25
34	15.20	14.19	205.68	14.67	13.65	197.95
36	15.97	14.96	216.91	15.43	14.42	209.08
38	16.78	15.76	228.55	16.23	15.22	220.62
40	17.61	16.59	240.61	17.06	16.04	232.62
42	18.47	17.46	253.14	17.92	16.90	245.08
44	19.37	18.35	266.12	18.81	17.79	258.00
46	20.29	19.28	279.56	19.73	18.72	271.41
48	21.25	20.24	293.48	20.69	19.68	285.32
50	22.25	21.24	307.91	21.69	20.67	299.74
52	23.28	22.27	322.84	22.72	21.70	314.71
54	24.34	23.33	338.30	23.79	22.77	330.21
56	25.45	24.43	354.29	24.90	23.88	346.30
58	26.59	25.58	370.85	26.05	25.03	362.98
60	27.77	26.76	387.99	27.24	26.23	380.28
62	28.99	27.98	405.72	28.48	27.46	398.23
64	30.26	29.25	424.08	29.76	28.75	416.86
66	31.57	30.56	443.08	31.10	30.09	436.23
68	32.93	31.91	462.75	32.49	31.48	456.40
70	34.33	33.32	483.13	33.94	32.93	477.47

The information contained within this website is for guidance only, for further system specific advice please call A-Gas directly.



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