

R438A Pressure Temperature Chart

R438A Temperature (°C)	Liquid			Vapour		
	Pressure (barA)	Pressure (barg)	Pressure (psig)	Pressure (barA)	Pressure (barg)	Pressure (psig)
-70	0.22	-0.79	-11.50	0.14	-0.87	-12.66
-68	0.25	-0.76	-11.06	0.16	-0.85	-12.36
-66	0.28	-0.73	-10.59	0.18	-0.83	-12.02
-64	0.32	-0.69	-10.06	0.21	-0.80	-11.64
-62	0.36	-0.65	-9.48	0.24	-0.77	-11.21
-60	0.40	-0.61	-8.84	0.27	-0.74	-10.74
-58	0.45	-0.56	-8.14	0.31	-0.71	-10.22
-56	0.50	-0.51	-7.37	0.35	-0.67	-9.65
-54	0.56	-0.45	-6.54	0.39	-0.62	-9.01
-52	0.63	-0.39	-5.62	0.44	-0.57	-8.32
-50	0.69	-0.32	-4.63	0.49	-0.52	-7.55
-48	0.77	-0.25	-3.55	0.55	-0.46	-6.72
-46	0.85	-0.16	-2.39	0.61	-0.40	-5.80
-44	0.94	-0.08	-1.13	0.68	-0.33	-4.81
-42	1.03	0.02	0.23	0.76	-0.26	-3.72
-40	1.13	0.12	1.70	0.84	-0.18	-2.55
-38	1.24	0.23	3.28	0.93	-0.09	-1.27
-36	1.36	0.34	4.97	1.02	0.01	0.10
-34	1.48	0.47	6.79	1.12	0.11	1.59
-32	1.62	0.60	8.74	1.23	0.22	3.19
-30	1.76	0.75	10.82	1.35	0.34	4.92
-28	1.91	0.90	13.04	1.48	0.47	6.77
-26	2.08	1.06	15.41	1.62	0.60	8.75
-24	2.25	1.24	17.94	1.76	0.75	10.88
-22	2.44	1.42	20.62	1.92	0.91	13.15
-20	2.63	1.62	23.47	2.09	1.07	15.58
-18	2.84	1.83	26.49	2.27	1.25	18.16
-16	3.06	2.05	29.70	2.46	1.44	20.92
-14	3.30	2.28	33.09	2.66	1.65	23.85
-12	3.54	2.53	36.68	2.87	1.86	26.97
-10	3.80	2.79	40.46	3.10	2.09	30.27
-8	4.08	3.07	44.46	3.34	2.33	33.77
-6	4.37	3.36	48.67	3.60	2.58	37.48
-4	4.68	3.66	53.11	3.87	2.86	41.40
-2	5.00	3.98	57.77	4.15	3.14	45.54
0	5.34	4.32	62.67	4.46	3.44	49.91
2	5.69	4.68	67.83	4.77	3.76	54.52
4	6.06	5.05	73.23	5.11	4.09	59.38
6	6.45	5.44	78.89	5.46	4.45	64.48
8	6.86	5.85	84.83	5.83	4.82	69.86
10	7.29	6.28	91.04	6.22	5.21	75.50
12	7.74	6.73	97.53	6.63	5.62	81.43



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14	8.21	7.19	104.32	7.06	6.04	87.64
16	8.70	7.68	111.42	7.51	6.49	94.16
18	9.21	8.19	118.82	7.98	6.96	100.98
20	9.74	8.73	126.54	8.47	7.46	108.12
22	10.30	9.28	134.59	8.98	7.97	115.59
24	10.87	9.86	142.97	9.52	8.51	123.40
26	11.48	10.46	151.70	10.09	9.07	131.54
28	12.10	11.09	160.78	10.67	9.66	140.07
30	12.75	11.74	170.22	11.29	10.27	148.94
32	13.43	12.42	180.03	11.92	10.91	158.21
34	14.13	13.12	190.23	12.59	11.58	167.87
36	14.86	13.85	200.80	13.28	12.27	177.93
38	15.62	14.61	211.79	14.01	12.99	188.40
40	16.40	15.39	223.17	14.76	13.75	199.30
42	17.22	16.21	234.97	15.54	14.53	210.64
44	18.06	17.05	247.21	16.35	15.34	222.43
46	18.94	17.92	259.88	17.20	16.19	234.70
48	19.84	18.83	273.01	18.08	17.06	247.43
50	20.78	19.77	286.59	18.99	17.98	260.67
52	21.75	20.73	300.64	19.94	18.93	274.41
54	22.75	21.74	315.17	20.92	19.91	288.70
56	23.79	22.77	330.19	21.95	20.93	303.51
58	24.86	23.84	345.72	23.01	21.99	318.90
60	25.96	24.95	361.76	24.11	23.10	334.88
62	27.11	26.09	378.33	25.25	24.24	351.45
64	28.29	27.27	395.44	26.44	25.43	368.68
66	29.50	28.49	413.11	27.67	26.66	386.56
68	30.76	29.75	431.33	28.95	27.94	405.13
70	32.06	31.04	450.14	30.29	29.27	424.44

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



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