

R452A (XP44) Pressure Temperature Chart

R452A Temperature (°C)	Liquid			Vapour		
	Pressure (barA)	Pressure (barg)	Pressure (psig)	Pressure (barA)	Pressure (barg)	Pressure (psig)
-70	0.27	-0.75	-10.84	0.21	-0.80	-11.61
-68	0.30	-0.71	-10.33	0.24	-0.77	-11.19
-66	0.34	-0.67	-9.76	0.27	-0.74	-10.72
-64	0.38	-0.63	-9.14	0.31	-0.70	-10.21
-62	0.43	-0.58	-8.45	0.35	-0.66	-9.64
-60	0.48	-0.53	-7.70	0.39	-0.62	-9.01
-58	0.54	-0.47	-6.87	0.44	-0.57	-8.32
-56	0.60	-0.41	-5.97	0.49	-0.52	-7.56
-54	0.67	-0.34	-4.99	0.55	-0.46	-6.74
-52	0.74	-0.27	-3.93	0.61	-0.40	-5.83
-50	0.82	-0.19	-2.77	0.68	-0.33	-4.85
-48	0.91	-0.10	-1.52	0.75	-0.26	-3.78
-46	1.00	-0.01	-0.16	0.83	-0.18	-2.63
-44	1.10	0.09	1.30	0.92	-0.09	-1.37
-42	1.21	0.20	2.88	1.01	0.00	-0.02
-40	1.33	0.32	4.57	1.11	0.10	1.45
-38	1.45	0.44	6.39	1.22	0.21	3.02
-36	1.59	0.58	8.35	1.34	0.33	4.71
-34	1.73	0.72	10.44	1.46	0.45	6.53
-32	1.89	0.87	12.67	1.60	0.58	8.48
-30	2.05	1.04	15.06	1.74	0.73	10.56
-28	2.23	1.21	17.60	1.90	0.88	12.79
-26	2.41	1.40	20.30	2.06	1.05	15.17
-24	2.61	1.60	23.18	2.23	1.22	17.71
-22	2.82	1.81	26.23	2.42	1.41	20.41
-20	3.05	2.03	29.47	2.62	1.61	23.28
-18	3.28	2.27	32.90	2.83	1.82	26.33
-16	3.53	2.52	36.53	3.05	2.04	29.57
-14	3.80	2.78	40.37	3.29	2.28	33.00
-12	4.08	3.06	44.42	3.54	2.53	36.62
-10	4.37	3.36	48.69	3.80	2.79	40.46
-8	4.68	3.67	53.19	4.08	3.07	44.51
-6	5.01	3.99	57.93	4.38	3.36	48.79
-4	5.35	4.34	62.91	4.69	3.68	53.30
-2	5.71	4.70	68.14	5.02	4.00	58.04
0	6.09	5.08	73.63	5.36	4.35	63.04
2	6.49	5.48	79.39	5.72	4.71	68.29
4	6.90	5.89	85.42	6.10	5.09	73.81
6	7.34	6.33	91.74	6.50	5.49	79.61
8	7.80	6.78	98.35	6.92	5.91	85.68
10	8.27	7.26	105.26	7.36	6.35	92.05
12	8.77	7.76	112.48	7.82	6.81	98.72



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14	9.29	8.28	120.02	8.30	7.29	105.70
16	9.83	8.82	127.88	8.81	7.79	113.01
18	10.40	9.39	136.08	9.33	8.32	120.64
20	10.99	9.97	144.61	9.88	8.87	128.61
22	11.60	10.59	153.51	10.46	9.44	136.94
24	12.24	11.23	162.76	11.06	10.04	145.62
26	12.90	11.89	172.38	11.68	10.67	154.69
28	13.59	12.58	182.38	12.33	11.32	164.14
30	14.31	13.29	192.76	13.01	12.00	173.97
32	15.05	14.04	203.55	13.72	12.71	184.22
34	15.82	14.81	214.75	14.45	13.44	194.89
36	16.62	15.61	226.36	15.22	14.21	205.99
38	17.45	16.44	238.38	16.02	15.00	217.53
40	18.31	17.30	250.85	16.84	15.83	229.54
42	19.20	18.19	263.77	17.70	16.69	242.02
44	20.13	19.11	277.14	18.60	17.59	254.98
46	21.08	20.07	290.99	19.53	18.51	268.45
48	22.07	21.06	305.30	20.49	19.48	282.45
50	23.09	22.08	320.10	21.49	20.48	296.97
52	24.15	23.13	335.41	22.53	21.52	312.05
54	25.24	24.22	351.22	23.62	22.60	327.73
56	26.36	25.35	367.56	24.74	23.72	344.00
58	27.53	26.51	384.42	25.90	24.89	360.89
60	28.73	27.71	401.84	27.11	26.10	378.44
62	29.97	28.95	419.82	28.37	27.36	396.69
64	31.24	30.23	438.35	29.68	28.67	415.67
66	32.56	31.55	457.46	31.04	30.03	435.44
68	33.92	32.91	477.15	32.47	31.45	456.07
70	35.32	34.30	497.41	33.95	32.94	477.64

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



A-Gas (UK) Ltd
Banyard Road, Portbury West, Bristol BS20 7XH
T (0) 1275 376600 F (0) 1275 376601
info.uk@agas.com www.agas.com