

## R449A (XP40) Pressure Temperature Chart

R449A Temperature (°C)	Liquid			Vapour		
	Pressure (barA)	Pressure (barg)	Pressure (psig)	Pressure (barA)	Pressure (barg)	Pressure (psig)
-70	0.24	-0.77	-11.18	0.16	-0.85	-12.34
-68	0.27	-0.74	-10.71	0.19	-0.83	-12.00
-66	0.31	-0.70	-10.19	0.21	-0.80	-11.62
-64	0.35	-0.66	-9.62	0.24	-0.77	-11.19
-62	0.39	-0.62	-8.99	0.27	-0.74	-10.73
-60	0.44	-0.57	-8.30	0.31	-0.70	-10.21
-58	0.49	-0.52	-7.54	0.35	-0.66	-9.63
-56	0.55	-0.46	-6.71	0.39	-0.62	-9.00
-54	0.61	-0.40	-5.80	0.44	-0.57	-8.31
-52	0.68	-0.33	-4.81	0.49	-0.52	-7.55
-50	0.75	-0.26	-3.74	0.55	-0.46	-6.72
-48	0.84	-0.18	-2.58	0.61	-0.40	-5.81
-46	0.92	-0.09	-1.32	0.68	-0.33	-4.82
-44	1.02	0.00	0.04	0.75	-0.26	-3.75
-42	1.12	0.10	1.50	0.83	-0.18	-2.58
-40	1.23	0.21	3.08	0.92	-0.09	-1.32
-38	1.34	0.33	4.78	1.02	0.00	0.04
-36	1.47	0.46	6.60	1.12	0.10	1.52
-34	1.60	0.59	8.56	1.23	0.21	3.10
-32	1.75	0.73	10.65	1.34	0.33	4.81
-30	1.90	0.89	12.88	1.47	0.46	6.64
-28	2.07	1.05	15.27	1.61	0.59	8.61
-26	2.24	1.23	17.81	1.75	0.74	10.71
-24	2.43	1.41	20.51	1.91	0.89	12.96
-22	2.63	1.61	23.39	2.07	1.06	15.37
-20	2.84	1.82	26.44	2.25	1.24	17.93
-18	3.06	2.05	29.68	2.44	1.42	20.66
-16	3.30	2.28	33.10	2.64	1.63	23.56
-14	3.55	2.53	36.73	2.85	1.84	26.65
-12	3.81	2.80	40.56	3.08	2.06	29.92
-10	4.09	3.08	44.61	3.32	2.30	33.39
-8	4.38	3.37	48.88	3.57	2.56	37.06
-6	4.69	3.68	53.37	3.84	2.82	40.95
-4	5.02	4.01	58.10	4.12	3.11	45.05
-2	5.36	4.35	63.08	4.42	3.41	49.38
0	5.72	4.71	68.31	4.73	3.72	53.95
2	6.10	5.09	73.79	5.07	4.05	58.77
4	6.50	5.49	79.55	5.42	4.40	63.83
6	6.92	5.90	85.58	5.78	4.77	69.16
8	7.35	6.34	91.90	6.17	5.16	74.76
10	7.81	6.79	98.51	6.57	5.56	80.65
12	8.28	7.27	105.42	7.00	5.99	86.82



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14	8.78	7.77	112.64	7.45	6.43	93.29
16	9.30	8.29	120.17	7.91	6.90	100.07
18	9.84	8.83	128.04	8.40	7.39	107.17
20	10.41	9.40	136.24	8.92	7.90	114.59
22	11.00	9.99	144.78	9.45	8.44	122.36
24	11.61	10.60	153.67	10.01	9.00	130.47
26	12.25	11.24	162.92	10.60	9.58	138.95
28	12.91	11.90	172.55	11.21	10.19	147.80
30	13.60	12.59	182.56	11.84	10.83	157.02
32	14.32	13.31	192.95	12.51	11.49	166.65
34	15.07	14.05	203.75	13.20	12.18	176.67
36	15.84	14.82	214.95	13.92	12.91	187.12
38	16.64	15.63	226.56	14.67	13.66	198.00
40	17.47	16.46	238.61	15.45	14.44	209.31
42	18.33	17.32	251.08	16.26	15.25	221.10
44	19.22	18.21	264.02	17.11	16.09	233.33
46	20.14	19.13	277.39	17.98	16.97	246.07
48	21.10	20.09	291.23	18.90	17.88	259.30
50	22.09	21.07	305.56	19.84	18.83	273.05
52	23.11	22.09	320.36	20.83	19.82	287.33
54	24.16	23.15	335.68	21.85	20.84	302.17
56	25.25	24.24	351.48	22.92	21.90	317.58
58	26.38	25.37	367.81	24.02	23.01	333.57
60	27.54	26.53	384.67	25.16	24.15	350.19
62	28.74	27.73	402.07	26.35	25.34	367.43
64	29.98	28.97	420.02	27.59	26.58	385.34
66	31.26	30.24	438.52	28.87	27.86	403.96
68	32.57	31.56	457.61	30.21	29.19	423.28
70	33.93	32.92	477.27	31.59	30.58	443.40

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



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