

Pressure-Temperature Table for Genetron[®] Refrigerants

Units in Bar 1 Bar gauge = 14.504 Psig = 100 kPa

Temp °C	R-12	R-134a	R-22	R-245fa	Bubble (liq) HP80 R-402A	Dew (vap) HP80 R-402A	Bubble (liq) R-404A	Dew (vap) R-404A	Bubble (liq) R-407C	Dew (vap) R-407C	Bubble (liq) R-408A	Dew (vap) R-408A	Bubble (liq) R-409A	Dew (vap) R-409A	R-410A	R-502	R-507	Bubble (liq) R-508A	Dew (vap) R-508A	Propane R-290 (a)	Iso -butane R-600a (a)	Ammonia R-717 (b)	Carbon Dioxide R-744 (c)
-40	-0.37	-0.50	0.04	-0.94	0.53	0.40	0.36	0.32	0.20	-0.15	0.29	0.27	-0.19	-0.46	0.75	0.26	0.40	7.45	7.40	0.11	-0.72	-0.28	9.04
-36	-0.24	-0.38	0.25	-0.92	0.82	0.67	0.63	0.58	0.44	0.04	0.54	0.51	-0.03	-0.34	1.09	0.51	0.67	8.69	8.63	0.32	-0.65	-0.12	10.60
-32	-0.09	-0.24	0.49	-0.90	1.15	0.99	0.93	0.87	0.72	0.26	0.83	0.80	0.16	-0.20	1.48	0.79	0.98	10.06	10.00	0.55	-0.58	0.08	12.33
-28	0.08	-0.08	0.77	-0.88	1.52	1.34	1.27	1.21	1.03	0.51	1.16	1.12	0.38	-0.03	1.92	1.10	1.33	11.56	11.48	0.81	-0.49	0.32	14.25
-24	0.28	0.10	1.09	-0.84	1.94	1.75	1.66	1.59	1.39	0.81	1.52	1.49	0.62	0.16	2.42	1.46	1.72	13.21	13.12	1.11	-0.39	0.59	16.35
-20	0.50	0.32	1.44	-0.80	2.41	2.20	2.09	2.02	1.80	1.14	1.94	1.90	0.90	0.38	2.99	1.86	2.17	15.02	14.92	1.44	-0.28	0.90	18.67
-16	0.75	0.56	1.84	-0.76	2.93	2.71	2.58	2.50	2.25	1.52	2.40	2.36	1.21	0.63	3.62	2.31	2.67	17.00	16.89	1.82	-0.15	1.26	21.21
-12	1.03	0.84	2.29	-0.70	3.52	3.28	3.13	3.04	2.76	1.96	2.92	2.87	1.56	0.91	4.33	2.82	3.22	19.16	19.04	2.23	0	1.68	23.98
-8	1.34	1.16	2.80	-0.63	4.17	3.91	3.73	3.64	3.33	2.44	3.50	3.45	1.95	1.23	5.12	3.37	3.84	21.51	21.38	2.69	0.17	2.15	27.00
-4	1.69	1.52	3.35	-0.56	4.88	4.61	4.40	4.30	3.97	2.99	4.14	4.08	2.38	1.59	5.99	3.99	4.52	24.07	23.94	3.19	0.35	2.69	30.26
0	2.07	1.92	3.97	-0.46	5.67	5.38	5.14	5.03	4.67	3.60	4.84	4.78	2.86	1.99	6.96	4.67	5.28	276.87	26.74	3.74	0.56	3.29	33.81
4	2.50	2.37	4.65	-0.36	6.53	6.23	5.95	5.84	5.44	4.28	5.62	5.55	3.39	2.43	8.02	5.41	6.10	29.92	29.81	4.35	0.80	3.97	37.64
8	2.97	2.87	5.40	-0.24	7.48	7.16	6.84	6.72	6.29	5.03	6.46	6.39	3.98	2.93	9.19	6.23	7.01	33.21	34.10	5.01	1.06	4.74	41.78
12	3.48	3.42	6.22	-0.10	8.51	8.17	7.81	7.68	7.22	5.87	7.39	7.32	4.62	3.48	10.46	7.12	8.00	-	-	5.73	1.35	5.59	46.24
16	4.04	4.03	7.11	0.06	9.63	9.28	8.86	8.73	8.24	6.78	8.40	8.32	5.32	4.08	11.86	8.08	9.08	-	-	6.51	1.67	6.53	51.04
20	4.65	4.71	8.09	0.24	10.84	10.48	10.01	9.88	9.35	7.79	9.50	9.42	6.08	4.74	13.37	9.14	10.25	-	-	7.36	2.02	7.57	56.22
24	5.32	5.45	9.15	0.44	12.16	11.78	11.26	11.12	10.55	8.89	10.69	10.60	6.90	5.47	15.02	10.28	11.53	-	-	8.28	2.40	8.73	61.79
28	6.04	6.26	10.30	0.67	13.58	13.19	12.61	12.46	11.86	10.09	11.97	11.89	7.80	6.26	16.81	11.51	12.90	-	-	9.27	2.82	10.00	67.82
32	6.83	7.14	11.54	0.92	15.11	14.71	14.06	13.92	13.27	11.41	13.36	13.27	8.77	7.12	18.75	12.83	14.39	-	-	10.33	3.28	11.38	-
36	7.67	8.11	12.88	1.20	16.76	16.35	15.63	15.48	14.79	12.83	14.86	14.76	9.81	8.06	20.84	14.26	15.99	-	-	11.47	3.77	12.90	-
40	8.58	9.16	14.33	1.52	18.53	18.12	17.33	17.17	16.44	14.38	16.47	16.37	10.94	9.08	23.09	15.80	17.72	-	-	12.69	4.31	14.55	-
44	9.56	10.29	15.88	1.87	20.43	20.01	19.14	18.99	18.20	16.06	18.20	18.10	12.15	10.18	25.52	17.45	19.57	-	-	14.00	4.89	16.35	-
48	10.60	11.52	17.54	2.25	22.47	22.05	21.09	20.94	20.10	17.87	20.05	19.95	13.44	11.37	28.14	19.22	21.57	-	-	15.40	5.51	18.30	-
52	11.73	12.84	19.32	2.67	24.65	24.23	23.19	23.04	22.13	19.83	22.04	21.93	14.82	12.65	30.96	21.11	23.71	-	-	16.89	6.19	20.42	-
56	12.93	14.27	21.23	3.13	26.99	26.57	25.44	25.29	24.30	21.95	24.16	24.05	16.29	14.02	33.99	23.13	26.00	-	-	18.47	6.91	22.70	-
60	14.21	15.81	23.26	3.64	29.48	29.07	27.85	27.70	26.62	24.23	26.43	26.32	17.86	15.50	37.24	25.29	28.47	-	-	20.16	7.68	25.16	-

(a) Highly Flammable. Poses Severe Safety Risk if Appropriate Safeguards are Not Employed
 (b) Highly Toxic and flammable. Poses Severe Safety Risk if Appropriate Safeguards are Not Employed
 (c) High pressure fluid.