

PRESSURE TEMPERATURE CHART

Temp °C	Pressure kPa (gauge)																				Temp °C		
	R134a	R407F		R404A		R409A		R407C		R410A		R32	R22	R438A*		R507	R744	R717	SP34E			R600a	R290
		Bubble	Dew	Bubble	Dew	Bubble	Dew	Bubble	Dew	Bubble	Dew			Bubble	Dew		CO ₂	NH ₃	Bubble	Dew		ISO-Butane	Propane
-50	-71.874	-18.069	-42.428	-17.089	-20.32	-53.478	-71.716	-27.494	-51.104	7.657	7.2268	8.8179	-36.795	-31.968	-52.113	-14.949	581.02	-60.489	-60.686	-68.08	-84.528	-30.756	-50
-48	-68.274	-9.2509	-35.602	-8.3529	-11.787	-48.276	-68.125	-19.602	-45.186	19.021	18.554	20.304	-29.877	-24.542	-46.341	-5.9972	638.17	-55.414	-56.175	-64.045	-82.545	-23.766	-48
-46	-64.322	0.29296	-28.155	1.082	-2.5618	-42.632	-64.189	-11.051	-38.719	31.304	30.797	32.721	-22.382	-16.497	-40.038	3.6694	698.83	-49.83	-51.264	-59.623	-80.376	-16.243	-46
-44	-59.996	10.604	-20.048	11.253	7.3932	-36.519	-59.884	-1.8048	-31.667	44.555	44.005	46.121	-14.276	-7.7981	-33.17	14.09	763.12	-43.699	-45.928	-54.787	-78.008	-8.1608	-44
-42	-55.27	21.725	-11.241	22.2	18.117	-29.91	-55.186	8.1763	-23.992	58.827	58.231	60.558	-5.5252	1.5922	-25.7	25.303	831.19	-36.98	-40.139	-49.508	-75.428	0.50954	-42
-40	-50.116	33.699	-1.6906	33.963	29.65	-22.779	-50.069	18.932	-15.657	74.172	73.528	76.086	3.9063	11.711	-17.593	37.35	903.17	-29.633	-33.872	-43.759	-72.623	9.7962	-40
-38	-44.508	46.571	8.646	46.581	42.033	-15.095	-44.506	30.504	-6.6211	90.647	89.95	92.762	14.054	22.597	-8.8098	50.272	979.19	-21.614	-27.096	-37.51	-69.577	19.728	-38
-36	-38.417	60.386	19.814	60.096	55.307	-6.8303	-38.471	42.933	3.1562	108.31	107.55	110.64	24.956	34.288	0.68768	64.111	1059.4	-12.878	-19.784	-30.731	-66.278	30.335	-36
-34	-31.813	75.191	31.858	74.551	69.515	2.0452	-31.935	56.264	13.717	127.21	126.39	129.79	36.648	46.827	10.94	78.911	1143.9	-3.3793	-11.905	-23.39	-62.709	41.646	-34
-32	-24.667	91.033	44.827	89.899	84.7	11.562	-24.869	70.539	25.105	147.41	146.53	150.26	49.171	60.253	21.987	94.715	1232.9	6.9313	-3.4284	-15.455	-58.856	53.693	-32
-30	-16.947	107.96	58.768	106.45	100.91	21.751	-17.244	85.804	37.365	168.97	168.02	172.12	62.563	74.608	33.872	111.57	1326.4	18.103	5.6776	-6.8929	-54.703	66.507	-30
-28	-8.6217	126.02	73.731	123.99	118.18	32.645	-9.0283	102.1	50.541	191.95	190.93	195.42	76.863	89.935	46.637	129.52	1424.7	30.189	15.445	2.3301	-50.233	80.119	-28
-26	0.34267	145.27	89.767	142.64	136.57	44.275	-0.19145	119.49	64.681	216.42	215.32	220.24	92.114	106.28	60.327	148.61	1527.9	43.241	25.908	12.249	-45.43	94.561	-26
-24	9.9795	165.76	106.93	162.46	156.11	56.675	9.299	138	79.833	242.43	241.24	246.64	108.36	123.68	74.987	168.88	1636.2	57.314	37.101	22.899	-40.276	109.87	-24
-22	20.323	187.53	125.26	183.49	176.86	69.878	19.476	157.69	96.045	270.04	268.77	274.68	125.63	142.19	90.662	190.4	1749.6	72.466	49.057	34.317	-34.755	126.06	-22
-20	31.41	210.64	144.83	205.78	198.87	83.919	30.373	178.61	113.37	299.33	297.97	304.43	143.99	161.84	107.4	213.2	1868.3	88.754	61.813	46.539	-28.848	143.19	-20
-18	43.275	235.15	165.69	229.37	222.18	98.831	42.025	200.8	131.85	330.37	328.9	335.96	163.46	182.7	125.25	237.33	1992.5	106.24	75.406	59.605	-22.537	161.28	-18
-16	55.957	261.11	187.88	254.32	246.84	114.65	54.467	224.32	151.55	363.21	361.64	369.34	184.1	204.8	144.26	262.84	2122.4	124.98	89.871	73.551	-15.803	180.37	-16
-14	69.492	288.57	211.48	280.67	272.9	131.41	67.734	249.22	172.51	397.92	396.24	404.65	205.95	228.19	164.47	289.8	2258	145.04	105.25	88.419	-8.6279	200.49	-14
-12	83.919	317.6	236.54	308.48	300.42	149.15	81.864	275.54	194.8	434.58	432.78	441.94	229.06	252.92	185.95	318.23	2399.6	166.49	121.57	104.25	-0.99178	221.67	-12
-10	99.278	348.24	263.11	337.8	329.44	167.91	96.892	303.35	218.46	473.25	471.33	481.31	253.46	279.03	208.74	348.21	2547.4	189.39	138.89	121.08	7.125	243.95	-10
-8	115.61	380.55	291.26	368.68	360.02	187.71	112.86	332.7	243.55	514.01	511.96	522.81	279.21	306.59	232.89	379.78	2701.4	213.81	157.23	138.95	15.742	267.37	-8
-6	132.95	414.6	321.05	401.17	392.21	208.61	129.8	363.64	270.13	556.93	554.74	566.53	306.36	335.64	258.45	412.99	2861.8	239.81	176.65	157.91	24.881	291.97	-6
-4	151.35	450.44	352.55	435.33	426.07	230.63	147.76	396.22	298.26	602.08	599.74	612.55	334.96	366.22	285.49	447.91	3028.9	267.47	197.17	177.99	34.561	317.76	-4
-2	170.84	488.13	385.8	471.21	461.65	253.82	166.77	430.51	327.99	649.54	647.05	660.94	365.04	398.4	314.05	484.58	3202.9	296.87	218.85	199.24	44.804	344.81	-2
0	191.48	527.73	420.89	508.87	499.01	278.21	186.88	466.54	359.39	699.38	696.73	711.78	396.66	432.22	344.2	523.06	3383.8	328.06	241.72	221.71	55.631	373.13	0
2	213.29	569.31	457.88	548.36	538.19	303.85	208.12	504.4	392.52	751.68	748.86	765.15	429.88	467.73	375.98	563.41	3572	361.13	265.83	245.44	67.063	402.77	2
4	236.34	612.92	496.83	589.73	579.27	330.76	230.54	544.12	427.43	806.51	803.52	821.13	464.73	504.99	409.46	605.69	3767.5	396.16	291.23	270.47	79.123	433.77	4
6	260.65	658.62	537.81	633.05	622.29	359	254.18	585.77	464.2	863.96	860.79	879.8	501.27	544.06	444.7	649.95	3970.7	433.21	317.95	296.85	91.833	466.16	6
8	286.29	706.49	580.89	678.38	667.32	388.59	279.09	629.4	502.89	924.11	920.75	941.26	539.55	584.98	481.75	696.26	4181.7	472.37	346.04	324.63	105.21	499.99	8
10	313.28	756.58	626.14	725.77	714.42	419.59	305.3	675.08	543.56	987.04	983.48	1005.6	579.62	627.82	520.67	744.67	4400.9	513.72	375.55	353.84	119.29	535.28	10
12	341.69	808.95	673.64	775.29	763.65	452.02	332.86	722.87	586.28	1052.8	1049.1	1072.9	621.54	672.62	561.53	795.25	4628.3	557.34	406.52	384.55	134.08	572.08	12
14	371.55	863.68	723.45	826.99	815.07	485.94	361.82	772.82	631.11	1121.6	1117.6	1143.2	665.35	719.45	604.4	848.06	4864.4	603.31	439.01	416.79	149.62	610.42	14
16	402.93	920.83	775.65	880.94	868.73	521.38	392.21	825	678.13	1193.3	1189.1	1216.6	711.11	768.36	649.32	903.16	5109.5	651.71	473.05	450.62	165.91	650.35	16
18	435.85	980.46	830.32	937.2	924.72	558.38	424.1	879.46	727.41	1268.2	1263.8	1293.3	758.88	819.4	696.37	960.62	5363.8	702.63	508.7	486.08	183	691.91	18
20	470.38	1042.6	887.53	995.84	983.09	596.98	457.52	936.27	779.01	1346.3	1341.7	1373.2	808.69	872.64	745.62	1020.5	5627.7	756.15	546	523.22	200.9	735.14	20
22	506.57	1107.4	947.37	1056.9	1043.9	637.23	492.51	995.5	833.02	1427.7	1422.8	1456.6	860.62	928.14	797.13	1082.9	5901.8	812.36	585.01	562.1	219.63	780.07	22
24	544.46	1174.9	1009.9	1120.5	1107.2	679.17	529.14	1057.2	889.5	1512.4	1507.3	1543.5	914.72	985.95	850.98	1147.8	6186.4	871.35	625.78	602.76	239.22	826.74	24
26	584.1	1245.2	1075.2	1186.7	1173.2	722.84	567.44	1121.4	948.54	1600.7	1595.4	1634	971.03	1046.1	907.22	1215.4	6482.4	933.21	668.35	645.26	259.69	875.21	26
28	625.56	1318.2	1143.4	1255.5	1241.7	768.28	607.46	1188.3	1010.2	1692.5	1686.9	1728.2	1029.6	1108.8	965.94	1285.6	6790.5	998.02	712.78	689.64	281.08	925.5	28
30	668.87	1394.2	1214.6	1327	1313.1	815.53	649.27	1257.8	1074.6	1788	1782.2	1826.2	1090.6	1173.9	1027.2	1358.7	7112.4	1065.9	759.12	735.96	303.4	977.67	30
32	714.1	1473.2	1288.8	1401.3	1387.2	864.64	692.9	1330	1141.7	1887.3	1881.3	1928.1	1153.9	1241.5	1091.1	1434.6		1136.9	807.43	784.28	326.67	1031.8	32
34	761.3	1555.1	1366.1	1478.5	1464.2	915.65	738.4	1405.1	1211.8	1990.5	1984.2	2034	1219.6	1311.8	1157.7	1513.4	*critical temp 31°C	1211.1	857.75	834.64	350.94	1087.8	34
36	810.52	1640.2	1446.7	1558.7	1544.2	968.61	785.83	1483	1284.8	2097.6	2091.1	2144.1	1287.9	1384.8	1227	1595.2		1288.6	910.14	887.11	376.21	1145.8	36
38	861.83	1728.5	1530.6	1641.8	1627.2	1023.5	835.25	1563.9	1360.8	2208.9	2202.1	2258.3	1358.8	1460.5	1299.3	1680.2		1369.6	964.67	941.73	402.51	1205.9	38
40	915.27	1820.1	1618	1728.1	1713.3	1080.5	886.7	1647.7	1440	2324.3	2317.4	2377	1432.3	1539.1	1374.4	1768.3		1454.1	1021.4	998.57	429.88	1268.1	40
42	970.9	1915																					