

PRESSURE TEMPERATURE CHART

Saturated Vapour Pressures (Figures in brackets vacuum inches & -kpa)

Temp °C	°F	R404A		R507		R407F		R438A		R407C		R22		R123		R134a		SP34E		R409A		R410a		R32		R744		R717			
		psig	kpa	psig	kpa	psig	kpa	psig	kpa	psig	kpa	psig	kpa	psig	kpa	psig	kpa	psig	kpa	psig	kpa	psig	kpa	psig	kpa	psig	kpa	psig	kpa		
-40	-40.0	4.9	34	5.4	37	0	0	(5.2)	(-18)	(5.2)	(-18)	0.6	4	(28.9)	(-98)	(14.8)	(-50)	(14.8)	(-50)	(14.8)	(-50)	(14.8)	(-50)	11.2	77	13.6	94	142	979	(6.6)	(-29)
-38	-38.4	7.0	48	7.5	52	1.5	10	(2.6)	(-9)	(2.6)	(-9)	2.2	15	(28.7)	(-97)	(12.9)	(-44)	(13.3)	(-45)	(11.4)	(-39)	(13.4)	(-39)	13.6	94	154	1059	(6.5)	(-22)		
-36	-32.8	9.2	63	9.8	68	2.9	20	(0.2)	0.6	(0.7)	(-2)	4.0	28	(28.5)	(-97)	(10.9)	(-37)	(11.2)	(-36)	(9.6)	(-32)	(16.3)	(-11)	16.2	112	162	1121	(3.7)	(-13)		
-34	-29.2	10.3	71	11.0	76	4.4	30	1.6	11	1.7	12	4.9	34	(28.4)	(-96)	(9.8)	(-35)	(9.2)	(-31)	(7.7)	(-28)	(17.8)	(-12)	19.0	131	166	1144	(0.9)	(-3)		
-32	-25.6	12.8	88	13.5	93	5.8	40	3.2	22	3.3	23	6.9	48	(28.2)	(-95)	(7.5)	(-33)	(7.4)	(-29)	(5.4)	(-26)	(21.0)	(-14)	22.0	150	212	1433	(1.3)			
-30	-22.0	15.4	106	16.2	112	8.7	60	4.9	34	5.1	35	9.1	63	(27.9)	(-94)	(5.0)	(-32)	(5.0)	(-31)	(3.2)	(-24)	(24.5)	(-16)	25.1	173	192	1327	2.6	18		
-28	-18.4	18.3	126	19.1	132	10.2	70	6.8	47	7.0	48	11.4	79	(27.6)	(-93)	(2.3)	(-30)	(2.7)	(-9)	(2.0)	(-7)	(28.2)	(-18)	28.5	197	207	1425	4.4	30		
-26	-14.8	21.3	147	22.2	153	13.1	90	8.8	60	8.9	61	13.9	96	(27.3)	(-92)	0.3	2	0.1	0.5	0.9	6	(32.2)	(-22)	32.1	222	222	1528	6.2	43		
-24	-11.2	22.9	158	23.8	164	16.0	110	10.9	75	11.1	77	15.2	105	(27.2)	(-92)	1.1	8	1.5	1.5	2.3	16	(34.3)	(-26)	36.0	248	237	1636	8.3	57		
-22	-7.6	26.3	181	27.3	188	18.9	130	13.2	91	13.5	93	17.9	123	(26.8)	(-91)	2.8	19	2.9	2.0	3.8	26	(36.7)	(-27)	40.0	276	254	1750	10.4	72		
-20	-4.0	29.8	205	30.9	213	20.3	140	15.6	107	16.0	110	20.9	144	(26.4)	(-89)	4.6	32	4.6	3.2	5.4	37	(43.4)	(-29)	44.4	306	271	1868	12.9	89		
-18	-0.4	33.7	232	34.8	240	24.7	170	18.2	125	18.6	128	24.0	165	(25.9)	(-88)	6.5	45	6.4	4.4	7.0	49	(48.4)	(-33)	48.9	337	289	1993	15.4	106		
-16	3.2	37.7	260	39.0	269	27.6	190	20.9	144	21.5	148	27.4	189	(25.4)	(-86)	8.5	59	8.1	5.6	8.8	61	(53.8)	(-37)	53.8	371	308	2122	18.1	125		
-14	6.8	39.8	274	41.1	283	30.5	210	23.8	164	24.5	169	29.1	201	(25.2)	(-85)	9.6	66	10.2	7.0	10.7	74	(56.6)	(-40)	58.9	406	328	2258	21.0	145		
-12	10.4	44.3	305	45.7	315	34.8	240	27.0	186	27.6	191	32.8	226	(24.6)	(-83)	11.9	82	12.2	8.4	12.7	88	(62.4)	(-43)	64.3	443	348	2400	24.2	167		
-10	14.0	49.0	338	50.5	348	37.7	260	30.3	209	31.0	214	36.8	254	(23.9)	(-81)	14.4	99	14.5	10.0	14.8	102	(68.6)	(-47)	70.0	483	369	2547	27.6	190		
-8	17.6	54.0	372	55.6	383	42.1	290	33.8	233	34.7	239	40.9	282	(23.2)	(-79)	17.0	117	16.8	11.1	17.1	118	(75.2)	(-51)	82.0	524	392	2701	31.0	214		
-6	21.2	59.3	409	61.0	421	46.4	320	37.5	258	38.6	246	45.3	312	(22.5)	(-77)	19.9	137	19.4	13.4	19.6	135	(82.2)	(-55)	86.0	568	415	2862	34.8	240		
-4	24.8	62.0	427	63.8	440	50.8	350	41.4	288	42.6	266	47.6	328	(22.1)	(-75)	21.3	147	22.0	15.2	22.1	152	(85.8)	(-59)	89.0	614	439	3029	38.9	268		
-2	28.4	67.7	467	69.7	481	56.6	390	45.5	314	46.8	322	52.4	361	(21.2)	(-72)	24.5	169	24.9	17.2	24.8	171	(93.4)	(-64)	96.1	662	465	3203	43.2	298		
0	32.0	73.8	509	75.9	523	60.9	420	49.9	344	51.3	353	57.5	396	(20.3)	(-69)	27.8	192	27.8	192	27.6	190	(101)	(699)	103.4	713	491	3384	47.7	329		
2	35.6	80.2	553	82.4	568	66.7	460	54.5	376	56.0	386	62.9	434	(19.3)	(-66)	31.3	216	31.2	215	30.6	211	(110)	(758)	111.2	767	518	3572	52.5	362		
4	39.2	86.9	599	89.2	615	72.5	500	59.4	410	61.1	421	68.6	473	(18.2)	(-62)	35.0	241	34.5	238	33.8	233	(119)	(819)	119.3	823	547	3768	57.6	397		
6	42.8	90.4	623	92.8	640	78.3	540	64.5	444	66.3	457	71.5	493	(17.6)	(-60)	37.0	255	38.0	262	37.2	256	(123)	(851)	127.8	881	576	3971	62.9	434		
8	46.4	97.6	673	100	691	84.1	580	69.8	482	71.8	495	77.6	535	(16.3)	(-55)	41.1	283	41.8	288	40.7	280	(133)	(917)	136.7	943	607	4182	68.7	474		
10	50.0	105	726	108	745	91.4	630	75.5	521	77.5	534	84.1	580	(15.0)	(-51)	45.4	313	45.8	316	44.3	305	(143)	(987)	146.0	1007	638	4401	74.7	515		
12	53.6	113	781	116	801	97	670	81.5	562	83.6	576	90.8	626	(13.5)	(-46)	50.0	345	49.9	344	48.2	333	(154)	(1060)	155.8	1074	671	4628	81.1	559		
14	57.2	122	839	125	860	104	720	87.7	605	89.9	620	98.0	676	(12.0)	(-41)	54.9	379	54.4	375	52.3	360	(165)	(1137)	166.0	1145	706	4865	87.7	605		
16	60.8	126	869	129	891	113	780	94.3	650	96.5	666	102	701	(11.2)	(-38)	57.4	396	58.9	406	56.5	390	(171)	(1177)	176.6	1218	741	5110	94.7	653		
18	64.4	135	931	138	954	120	830	101	696	104	715	109	754	(9.4)	(-32)	62.7	432	63.8	440	61.2	422	(183)	(1260)	187.8	1295	778	5364	102	704		
20	68.0	144	996	148	1020	129	890	108	746	111	766	117	809	(7.6)	(-26)	68.2	470	68.2	470	66.0	455	(195)	(1347)	199.4	1375	816	5628	110	758		
22	71.6	154	1064	158	1090	138	950	116	797	119	819	126	867	(5.6)	(-19)	74.1	511	74.5	514	70.9	489	(208)	(1437)	211.4	1458	856	5902	118	816		
24	75.2	165	1135	169	1162	146	1010	123	851	127	873	135	927	(3.5)	(-12)	80.2	553	80.8	557	76.1	524	(222)	(1532)	224.1	1545	897	6186	127	873		
26	78.8	170	1171	174	1200	156	1080	132	907	135	930	139	958	(2.4)	(-8)	83.4	575	85.6	590	81.5	582	(229)	(1581)	237.2	1635	940	6482	136	937		
28	82.4	181	1248	185	1278	165	1140	140	965	144	991	148	1023	(0.0)	(0)	90.0	621	90.4	623	87.3	602	(244)	(1682)	250.8	1730	985	6791	145	1000		
30	86.0	193	1327	197	1359	176	1210	149	1027	153	1055	158	1091	1.2	8	97.0	669	95.8	661	93.4	644	(259)	(1788)	265.1	1828	1032	7112	155	1070		
32	89.6	205	1410	209	1443	187	1290	158	1090	162	1120	168	1161	2.5	17	104	719	101	698	99.6	687	(275)	(1899)	279.8	1929	1065	7498	165	1140		
34	93.2	217	1496	222	1531	199	1370	168	1158	172	1189	179	1235	3.9	27	112	772	108	745	106	732	(292)	(2014)	295.2	2035	1092	7712	176	1215		
36	96.8	223	1540	229	1577	210	1450	178	1227	183	1259	185	1273	4.6	32	116	799	115	792	113	778	(301)	(2073)	311.2	2145	1100	7812	187	1290		
38	100.4	237	1633	242	1671	223	1530	189	1300	193	1332	196	1351	6.1	42	124	856	121	836	120	827	(319)	(2196)	327.7	2260	1120	7912	199	1375		
40	104.0	251	1728	257	1769	235	1620	199	1375	204	1410	208	1432	7.7	53	133	915	128	880	127	878	(337)	(2324)	344.9	2378	1140	8012	212	1460		
42	107.6	265	1828	271	1870	248	1710	211	1452	216	1492	220	1517	9.4	65	142	977	135	933	137	933	(357)	(2458)	362.8	2501	1150	8112	223	1540		
44	111.2	280	1931	287	1976	261	1800	222	1533	229	1577	233	1605	11.2	77	151	1042	142	977	144	990	(377)	(2597)	381.3	2629	1160	8212	236	1630		
46	114.8	288	1985	295	2031	276	1900	235	1618	241	1664	239	1651	12.1	83	156	1076	149	1026	152	1047	(387)	(2668)	400.5	2762	1170	8312	251	1730		
48	118.4	304	2095	311	2143	290	2000	248	1706	255	1755	253	1744	14.1	97	166	1145	156	1078	161	1108	(408)	(2816)	420.4	2899	1180	8412	265	1830		
50	122.0	320	2209	328	2260	306	2110	261	1798	268	1849	267	1842	16.1	111	177	1217	164	1130	170	1171	(431)	(2970)	441.1	3041	1190	8512	280	1930		
52	125.6	338	2328	345																											