

Pressure Temperature Chart

Temp °C	Pressure kPa														Temp °C
	R134A	R406A	R22	R407C	R410A	R404A	R507A	MO49 R437A	MO59 R417A	MO79 R422A	MO99 R438A	CO ₂ (R744)	Butane (R600)	Ammonia R717	
-40	102	-43	4	32	74	30	37	86	52	21	36	905	7	72	-40
-38	90	-37	15	11	92	43	52	72	34	35	16	981	21	80	-38
-36	75	-30	28	6	112	59	68	56	14	50	3	1061	28	89	-36
-34	68	-24	34	11	122	66	76	48	3	57	8	1145	41	98	-34
-32	52	-16	48	24	144	83	93	29	9	74	21	1234	55	108	-32
-30	34	-9	63	37	168	101	112	10	21	91	34	1328	69	120	-30
-28	16	0	79	52	194	120	132	6	34	110	48	1426	83	132	-28
-26	3	9	96	68	221	141	153	17	48	130	63	1592	97	145	-26
-24	8	19	105	77	235	152	164	23	56	141	72	1638	110	159	-24
-22	19	29	123	94	265	174	188	36	72	163	89	1751	124	174	-22
-20	32	40	144	113	298	199	213	50	88	188	108	1870	145	190	-20
-18	45	52	165	134	332	225	240	65	107	213	128	1994	159	208	-18
-16	59	65	189	156	369	252	268	81	126	241	149	2124	179	226	-16
-14	66	78	201	168	388	267	283	89	137	255	160	2259	200	246	-14
-12	82	92	226	192	429	297	315	107	158	285	183	2401	221	268	-12
-10	99	107	254	219	472	330	348	126	181	317	209	2549	241	291	-10
-8	117	123	282	246	516	363	383	146	206	351	236	2703	269	315	-8
-6	137	140	312	276	565	400	421	168	232	387	264	2863	290	341	-6
-4	147	158	328	292	590	419	440	179	246	405	279	3030	317	369	-4
-2	169	177	361	325	642	458	480	203	275	445	311	3204	345	398	-2
0	192	197	396	359	697	499	523	229	305	486	344	3285	372	429	0
2	216	217	434	396	755	543	567	256	338	530	380	3769	407	463	2
4	241	240	473	436	816	589	615	285	372	576	417	4183	434	498	4
6	255	263	493	456	848	612	639	300	390	600	436	4630	469	535	6
8	283	287	535	499	914	662	690	331	427	650	478	5111	483	574	8
10	313	313	580	543	983	714	744	365	467	702	521	5629	552	615	10
12	345	340	626	728	1060	781	801	444	582	796	678	5903	586	659	12
14	379	368	676	784	1137	839	860	483	628	855	730	6188	621	705	14
16	396	397	701	813	1177	869	891	503	652	885	757	6484	655	753	16
18	432	428	754	874	1260	931	954	545	703	948	814	6792	690	804	18
20	470	461	809	936	1347	996	1020	589	755	1014	873	7114	724	857	20
22	511	495	867	1003	1437	1064	1090	635	810	1084	934	-	793	914	22
24	553	530	927	1071	1532	1135	1162	683	867	1156	999	-	827	973	24
26	575	567	958	1107	1581	1171	1200	709	897	1193	1033	-	896	1034	26
28	621	605	1023	1180	1682	1248	1278	761	959	1270	1102	-	931	1099	28
30	669	645	1091	1258	1788	1327	1359	815	1023	1351	1174	-	965	1167	30
32	719	687	1161	1338	1899	1410	1443	872	1091	1435	1249	-	1034	1238	32
34	772	730	1235	1422	2014	1496	1531	932	1161	1522	1328	-	1069	1312	34
36	799	775	1273	1465	2073	1540	1577	963	1197	1567	1369	-	1138	1390	36
38	856	822	1351	1555	2196	1633	1671	1027	1272	1661	1452	-	1207	1471	38
40	915	871	1432	1648	2324	1728	1769	1094	1350	1758	1539	-	1276	1555	40
42	977	922	1517	1744	2458	1828	1870	1163	1431	1859	1630	-	1345	1643	42
44	1042	974	1605	1845	2597	1931	1976	1236	1516	1964	1724	-	1413	1735	44
46	1076	1029	1651	1897	2668	1985	2031	1274	1560	2017	1773	-	1482	1830	46
48	1145	1085	1744	2004	2816	2095	2143	1351	1649	2129	1873	-	1551	1930	48
50	1217	1144	1842	2115	2970	2209	2260	1431	1743	2245	1977	-	1620	2033	50
52	1292	1204	1942	2230	3129	2328	2382	1515	1840	2365	2084	-	1689	2141	52
54	1370	1267	2047	2349	3295	2452	2508	1602	1941	2490	2196	-	1758	2253	54
56	1411	1331	2101	2411	3381	2516	2573	1647	1993	2555	2254	-	1862	2369	56
58	1494	1398	2211	2537	3557	2647	2708	1740	2100	2687	2373	-	1931	2489	58
60	1580	1468	2326	2668	3741	2784	2848	1835	2211	2825	2495	-	2000	2614	60

This chart is a guideline only, please refer to Realcold's Technical Team for more information.

For Enquiries
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Conversion Factors

	From	To	Multiply By
Heat Flow	Btu/hr	Kcal/hr	0.252
	Btu/hr	watts	0.293
	watts	Kcal/hr	0.86
	watts	Btu/hr	3.4129
	watts	ton (refr)	0.0002843
	watts	HP	0.001333
	kcal/hr	watts	1.163
Volume	kcal/hr	Btu/hr	3.968
	HP	watts	746
	ton (refr)	watts	3517.2
	FT ³	M ³	0.02832
Volume Flow	cfm	l/s	0.4719
	cfm	m ³ s	0.000472
	imp. gal/min	l/s	0.07577
	U.S gal/min	l/s	0.06309
Velocity	fpm	m/s	0.3048
	fpm	m/s	0.00508
Pressure	psi	kPA	6.89
	inch Hg	kPA	3.39
	inch H ₂ O	kPA	0.249
	Bar	kPA	100
	mm Hg (1 torr)	kPA	0.133
Temperature			
	°F	°C	
		(°C x 1.8) + 32 = °F	(°F - 32) x 0.55555 = °C

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