

PT Chart

Pressure Temperature Chart									
Temp °C	R22		Pressure kPAg/psig R502		R717		R744		Temp °F
	kPAg	psig	kPAg	psig	kPAg	psig	kPAg	psig	
-50	-35.5	10.5*	-19	-2.8	-59.2	17.5*	582	84.5	-58.0
-48	-28.6	8.4*	-10	-1.5	-54.3	16*	639	92.7	-54.4
-46	-21.1	6.2*	-1	-0.1	-48.9	14.4*	700	102	-50.8
-44	-13	3.8*	8	1.2	-42.7	12.6*	764	111	-47.2
-42	-4.2	1.2*	19	2.8	-35.9	10.6*	833	121	-43.6
-40	0.01	0.5	30	4.4	-28.3	8.4*	905	131	-40.0
-38	10	1.5	42	6.1	-20.3	6*	981	142	-36.4
-36	22	3.5	54	7.8	-11.6	3.4*	1061	154	-32.8
-34	32	4.6	68	9.9	-2.1	0.6*	1145	166	-29.2
-32	50	7.2	82	11.9	8.3	1	1234	179	-25.6
-30	63	9.1	98	14.2	19.4	2.6	1328	193	-22.0
-28	80	12	114	16.5	31.5	4.4	1426	207	-18.4
-26	91	13	132	19.2	44.6	6.7	1592	231	-14.8
-24	108	16	150	21.8	58.6	8.7	1638	237	-11.2
-22	126	18	170	24.7	73.8	11	1751	254	-7.6
-20	145	21	191	27.7	90.1	13	1870	271	-4.0
-18	164	24	213	30.9	108	15	1994	289	-0.4
-16	195	27	236	34.3	126	18	2124	308	3.2
-14	207	30	261	37.9	146	21	2259	328	6.8
-12	231	33	287	41.7	168	24	2401	348	10.4
-10	254	37	314	45.6	191	28	2549	370	14.0
-8	284	41	343	49.8	215	31	2703	392	17.6
-6	310	45	373	54.1	242	35	2863	415	21.2
-4	334	48	405	58.8	269	39	3030	439	24.8
-2	361	52	438	63.6	299	43	3204	465	28.4
0	398	58	473	68.7	328	48	3285	476	32.0
2	430	62	510	74	382	53	3769	547	35.6
4	465	67	548	79.5	397	58	4183	607	39.2
6	504	73	588	85.3	433	63	4630	671	42.8
8	542	79	630	91.4	473	69	5111	741	46.4
10	584	85	673	97.7	513	74	5629	816	50.0
12	622	90	718	104.2	555	81	5903	856	53.6
14	668	97	766	111.2	605	88	6188	897	57.2
16	716	104	815	118.3	654	95	6484	940	60.8
18	769	112	866	125.7	704	102	6792	985	64.4
20	814	118	920	133.5	755	110	7114	1032	68.0
22	866	126	975	141.5	811	118			71.6
24	917	133	1033	149.9	868	126			75.2
26	975	141	1093	158.6	930	135			78.8
28	1040	151	1155	167.6	995	144			82.4
30	1107	161	1219	176.9	1065	154			86.0
32	1165	169	1286	186.6	1130	164			89.6
34	1230	178	1355	196.7	1203	174			93.2
36	1300	189	1426	207	1277	185			96.8
38	1378	200	1500	217.7	1369	199			100.4
40	1448	210	1577	228.9	1449	210			104.0
42	1525	221	1656	240.3	1543	224			107.6
44	1610	233	1738	252.2	1630	236			111.2
46	1688	245	1823	264.6	1722	250			114.8
48	1770	257	1911	277.4	1820	264			118.4
50	1855	269	2001	290.4	1914	278			122.0
52	1950	283	2095	304.1	2005	291			125.6
54	2050	297	2192	318.1	2110	319			129.2

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Pressure Temperature Chart													
Temp °C	Pressure kPAg												
	R134A	R406A	R409A	R413A (ISCEON 49)	R407C	R410A	R417A (ISCEON 59)	R404A	R507	R408A	R403B (ISCEON 69L)	R422A (ISCEON 79)	
	kPAg	kPAg	kPAg	kPAg	kPAg	kPAg	kPAg	kPAg	kPAg	kPAg	kPAg	kPAg	
-50				-71	-50		9	-25	-23	-12	-23	1	
-48				-67	-45		21	-18	-15	-3	-17	12	
-46				-63	-39		33	-11	-6	7	-8	24	
-44				-59	-33		46	-2	4	17	1	35	
-42				-54	-27	17	61	7	15	28	11	47	
-40		-43		-49	-20	29	76	16	26	40	22	60	21.4
-38		-37		-43	-12	41	93	29	39	53	34	73	35.1
-36	-35	-30		-37	-4	55	111	37	52	67	46	88	49.6
-34	-28	-24		-31	4	68	130	49	66	82	60	104	57.2
-32	-21	-16		-23	14	81	150	61	81	98	74	118	73.7
-30	-14	-9		-16	24	95	172	74	97	114	89	138	90.9
-28	-5	0		-7	34	110	195	88	114	132	105	157	110.2
-26	3	9	2	45	118	219	219	103	133	151	123	178	130.2
-24	14	19	11	57	128	245	245	119	152	171	141	199	141.2
-22	26	29	21	70	136	273	273	135	173	193	161	220	163.3
-20	39	40	33	84	156	303	303	153	195	216	181	243	187.4
-18	49	52	44	98	177	334	334	171	219	240	203	267	212.9
-16	59	65	57	114	200	367	367	191	243	265	227	295	240.5
-14	72	78	71	130	224	402	402	211	270	292	251	320	254.9
-12	86	92	85	147	249	438	438	233	297	320	277	348	285.2
-10	101	107	100	165	276	477	477	256	326	350	305	382	316.9
-8	118	123	117	184	304	518	518	280	357	382	334	412	350.7
-6	135	140	134	204	334	561	561	305	390	415	364	446	386.5
-4	153	158	152	226	365	607	607	332	424	450	396	483	405.1
-2	172	177	172	248	398	654	654	360	460	486	430	520	444.4
0	192	197	192	272	440	704	704	389	498	525	465	560	485.7
2	211	217	214	297	500	757	757	420	537	565	502	603	529.2
4	229	240	237	323	529	812	812	452	579	608	541	644	575.3
6	253	263	262	350	566	869	869	485	623	652	582	689	599.4
8	283	287	287	379	604	930	930	520	669	698	625	732	649
10	313	313	314	409	645	993	993	557	716	747	670	783	709.7
12	342	340	342	441	688	1059	1059	595	766	798	716	831	795.1
14	372	368	372	474	732	1128	1128	635	819	851	765	886	854.4
16	403	397	404	508	779	1200	1200	676	873	906	816	942	884.7
18	436	428	437	544	828	1275	1275	719	929	964	869	998	947.4
20	469	461	471	582	880	1353	1353	764	989	1024	920	1057	1013.5
22	507	495	507	621	934	1435	1435	811	1049	1087	980	1113	1083.1
24	544	530	545	662	990	1520	1520	859	1119	1152	1040	1179	1154.8
26	584	567	585	705	1049	1608	1608	910	1179	1221	1100	1244	1192.7
28	626	605	626	750	1110	1701	1701	962	1249	1291	1170	1313	1269.1
30	668	645	670	796	1175	1797	1797	1016	1329	1365	1240	1388	1349.8
32	715	687	715	844	1242	1896	1896	1073	1399	1442	1310	1462	1433.8
34	761	730	762	895	1311	2000	2000	1131	1479	1521	1380	1540	1521.3
36	811	775	811	947	1384	2108	2108	1192	1559	1604	1460	1620	1566.8
38	863	822	863	1001	1460	2220	2220	1254	1639	1689	1530	1700	1659.8
40	915	871	920	1057	1539	2336	2336	1319	1729	1778	1610	1784	1756.3
42	972	922	970	1115	1621	2456	2456	1386	1819	1870	1700	1872	1857.5
44	1029	974	1030	1176	1707	2581	2581	1455	1909	1966	1790	1964	1962.3
46	1090	1029	1090	1238	1796	2710	2710	1527	2009	2064	1880	2057	2016
48	1153	1085	1150	1303	1888	2844	2844	1601	2109	2167	1970	2151	2127.6
50	1217	1144	1220	1370	1985	2983	2983	1677	2209	2273	2060	2250	2243.4
52	1287	1204	1290	1440	2085	3126	3126	1756	2319	2382	2160	2358	2364
54	1356	1267	1360	1512	2188	3274	3274	1837	2429	2496	2270	2464	2488.7

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 * Vacuum in inches Hg