

PRESSURE / TEMPERATURE CHART

TEMP °C	R12		R134A		SP34E		R409A		R22		R410A		R419A		R407C		R502		R404A		R408A		R507		
	kPa	psig	kPa	psig	kPa	psig	kPa	psig	kPa	psig	kPa	psig	kPa	psig	kPa	psig	kPa	psig	kPa	psig	kPa	psig	kPa	psig	
-70	-91	27	-96	28.2					-81	23.9	-74	21.8			-89	26.3	-74	21.9	-83	24.5			69.5	20.5	
-66	-86	25.7	-92	27.2					-75	22.2	-74	21.8			-83.8	24.7	-67	19.8	-73	21.6			61.9	18.3	
-62	-82	24.3	-88	26.1					-68	20.1	-68	20.1			-77.7	22.9	-57	16.8	-62	18.4			52.8	15.6	
-58	-76	22.6	-84	24.7					-59	17.5	-33.3	9.8			-70.4	20.8	-47	6.8	-50	14.8	-52	7.5	-43	12.3	
-54	-70	20.7	-79	23.2					-49	14.2	-15.6	4.6			-61.7	18.2	-35	5.1	-36	10.7	-40	5.8	-29	8.4	
-50	-62	18.4	-72	21.3				-71	20.9	-36	10.7	4.9	0.7	-52	7.5	-52	15.2	-20	2.9	-20	5.9	-27	3.9	-13	3.7
-46	-53	15.8	-64	19.0				-64	18.7	-22	6.5	28.7	4.2	-40	5.8	-40	11.5	-3	0.4	-2	0.5	-10	1.5	6	0.9
-42	-43	12.7	-55	16.3				-55	16.0	-6	1.6	56.2	8.2	-26	3.8	-24.6	7.2	17	2.5	18	2.6	9	1.3	27	3.9
-38	-30.9	9.1	-45	13.2	-44.6	13.1	-44	12.9	14	2.0	87.9	12.7	-9	1.3	-7.5	2.2	40	5.8	42	6.1	30	4.4	52	7.5	
-34	-17	5.0	-32	9.4	-31.9	9.4	-32	9.1	36	5.2	130	18.9	10	1.5	12.4	1.8	67	9.7	69	10.0	55	8.0	81	11.7	
-30	-1	0.3	-17	5.0	-17	5	-17	4.8	62	9.0	172	24.9	32	4.6	35	5.1	97	14.1	99	14.4	84	12.2	113	16.4	
-28	8	1.1	-9	2.6	-8.6	2.5	-9	2.3	76	11.0	194	28.1	45	6.5	48	7.0	113	16.4	116	16.8	100	14.5	131	19.0	
-26	17	2.5	0	0.0	0.5	0.1	0.7	0.1	92	13.3	219	31.8	58	8.4	62	9.0	131	19.0	134	19.4	117	17.0	150	21.8	
-24	27	3.9	10	1.5	10.1	1.5	9	1.3	108	15.7	244	35.4	73	10.6	77	11.2	149	21.6	154	22.3	135	19.6	170	24.7	
-22	38	5.5	20	2.9	20.5	3	19	2.8	125	18.1	272	39.5	88	12.8	93	13.5	169	24.5	174	25.2	154	22.3	192	27.8	
-20	50	7.3	31	4.5	31.7	4.6	29	4.2	143	20.7	301	43.7	104	15.1	110	16.0	190	27.6	196	28.4	174	25.2	214	31.0	
-18	62	9.0	43	6.2	43.5	6.3	41	5.9	163	23.6	332	48.2	122	17.7	128	18.6	212	30.7	219	31.8	195	28.3	238	34.5	
-16	75	10.9	56	8.1	56.3	8.2	53	7.7	184	26.7	364	52.8	140	20.3	148	21.5	235	34.1	243	35.2	218	31.6	264	38.3	
-14	88	12.8	69	10.0	69.9	10.1	66	9.6	205	29.7	398	57.7	160	23.2	169	24.5	260	37.7	269	39.0	242	35.1	291	42.2	
-12	103	14.9	84	12.2	84.3	12.2	80	11.6	229	33.2	435	63.1	181	26.3	191	27.7	286	41.5	296	42.9	267	38.7	319	46.3	
-10	118	17.1	99	14.4	99.7	14.5	95	13.8	253	36.7	473	68.6	203	29.4	214	31.0	313	45.4	324	47.0	294	42.6	349	50.6	
-8	134	19.4	115	16.7	116.1	16.8	111	16.1	279	40.5	513	74.4	227	32.9	239	34.7	342	49.6	355	51.5	322	46.7	380	55.1	
-6	151	21.9	133	19.3	133.6	19.4	127	18.4	306	44.4	556	80.6	252	36.5	265	38.4	372	54.0	387	56.1	352	51.1	414	60.0	
-4	169	24.5	151	21.9	152	22	145	21.0	334	48.4	601	87.2	278	40.3	293	42.5	404	58.6	420	60.9	383	55.5	448	65.0	
0	187	27.1	171	24.8	171.7	24.9	164	23.8	365	52.9	648	94.0	306	44.4	322	46.7	437	63.4	455	66.0	416	60.3	485	70.3	
2	207	30.0	191	27.7	192.4	27.9	184	26.7	396	57.4	697	101.1	336	48.7	353	51.2	472	68.5	493	71.5	450	65.3	524	76.0	
4	228	33.1	213	30.9	214.5	31.1	205	29.7	429	62.2	749	108.6	367	53.2	386	56.0	508	73.7	532	77.2	487	70.6	564	81.8	
6	250	36.3	236	34.2	237.8	34.5	227	32.9	464	67.3	803	116.5	400	58.0	420	60.9	547	79.3	572	83.0	525	76.1	606	87.9	
8	273	39.6	260	37.7	262.3	38	250	36.3	501	72.7	860	124.7	434	62.9	457	66.3	587	85.1	615	89.2	565	81.9	651	94.4	
10	297	43.1	286	41.5	288.3	41.8	275	39.9	539	78.2	919	133.3	471	68.3	495	71.8	628	91.1	660	95.7	606	87.9	697	101.1	
12	322	46.7	313	45.4	315.6	45.8	301	43.7	579	84.0	982	142.4	509	73.8	534	77.5	672	97.5	707	102.5	650	94.3	746	108.2	
14	348	50.5	341	49.5	344.4	49.9	328	47.6	621	90.1	1047	151.9	549	79.6	576	83.5	717	104.0	756	109.6	696	100.9	797	115.6	
16	376	54.5	371	53.8	374.6	54.3	357	51.8	665	96.5	1115	161.7	591	85.7	620	89.9	765	111.0	808	117.2	744	107.9	850	123.3	
18	404	58.6	402	58.3	406.4	58.9	387	56.1	711	103.1	1186	172.0	636	92.2	666	96.6	814	118.1	862	125.0	794	115.2	905	131.3	
20	434	62.9	435	63.1	439.6	63.8	419	60.8	759	110.1	1260	182.7	682	98.9	715	103.7	865	125.5	918	133.1	846	122.7	963	139.7	
22	466	67.6	470	68.2	470.4	68.2	452	65.6	808	117.2	1338	194.1	731	106.0	765	111.0	918	133.1	976	141.6	900	130.5	1023	148.4	
24	498	72.2	506	73.4	508.2	73.7	487	70.6	860	124.7	1418	205.7	781	113.3	818	118.6	974	141.3	1037	150.4	957	138.8	1086	157.5	
26	533	77.3	544	78.9	556.6	80.7	524	76.0	915	132.7	1502	217.8	835	121.1	873	126.6	1031	149.5	1101	159.7	1016	147.4	1151	166.9	
28	568	82.4	583	84.6	594.7	86.3	562	81.5	971	140.8	1590	230.6	890	129.1	931	135.0	1091	158.2	1167	169.3	1078	156.4	1219	176.8	
30	605	87.7	625	90.6	622.7	90.3	602	87.3	1029	149.2	1681	243.8	948	137.5	991	143.7	1153	167.2	1236	179.3	1142	165.6	1290	187.1	
32	643	93.3	668	96.9	650.6	94.4	644	93.4	1090	158.1	1776	257.6	1009	146.3	1054	152.9	1218	176.7	1308	189.7	1208	175.2	1364	197.8	
34	683	99.1	713	103.4	698.4	101.3	687	99.6	1154	167.4	1874	271.8	1072	155.5	1119	162.3	1284	186.2	1382	200.4	1278	185.4	1440	208.9	
36	725	105.2	761	110.4	746.2	108.2	733	106.3	1219	176.8	1976	286.6	1138	165.1	1188	172.3	1353	196.2	1460	211.8	1350	195.8	1520	220.5	
38	768	111.4	810	117.5	792.1	114.9	781	113.3	1288	186.8	2082	302.0	1206	174.9	1259	182.6	1425	206.7	1540	223.4	1424	206.5	1602	232.4	
40	813	117.9	861	124.9	836.1	121.3	830	120.4	1359	197.1	2193	318.1	1278	185.4	1333	193.3	1499	217.4	1624	235.5	1502	217.8	1688	244.8	
42	859	124.6	915	132.7	880.2	127.7	882	127.9	1432	207.7	2307	334.6	1352	196.1	1411	204.6	1576	228.6	1711	248.2	1583	229.6	1777	257.7	
44	907	131.5	970	140.7	926.9	134.4	936	135.8	1508	218.7	2426	351.9	1430	207.4	1491	216.3	1655	240.0	1800	261.1	1666	241.6	1869	271.1	
46	957	138.8	1028	149.1	976.6	141.6	992	143.9	1587	230.2	2549	369.7	1510	219.0	1575	228.4	1737	251.9	1894	274.7	1753	254.3	1964	284.9	
48	1009	146.3	1089	157.9	1026	148.8	1051	152.4	1669	242.1	2676	388.1	1594	231.2	1663	241.2	1822	264.3	1990	288.6	1842	267.2	2063	299.2	
50	1062	154.0	1151																						