

Temp (°C)	R-22	R-410A		R-32	R-454B	
	A1	A1		A2L	A2L	
	Pure/single component: (100% R-22)	Blend: R-32 (50%), R-125 (50%)		Pure/single component: (100% R-32)	Blend: R-32 (68.9%), R-1234yf (31.1%)	
	Pressure (kPa)	Liquid Pressure (kPa)	Vapor Pressure (kPa)	Pressure (kPa)	Liquid Pressure (kPa)	Vapor Pressure (kPa)
-40°C	105	176	176	177	167	159
-38°C	115	193	192	194	81	174
-36°C	126	210	210	212	98	190
-34°C	138	229	229	231	116	207
-32°C	150	249	249	252	135	226
-30°C	163	271	270	273	156	245
-28°C	178	294	293	297	178	266
-26°C	193	318	317	322	201	289
-24°C	209	344	343	348	225	312
-22°C	226	372	371	376	252	337
-20°C	245	401	400	406	279	364
-18°C	264	432	430	437	309	392
-16°C	285	464	463	471	340	422
-14°C	307	499	497	506	373	454
-12°C	330	535	534	543	408	487
-10°C	354	574	572	583	444	523
-8°C	380	614	613	624	483	560
-6°C	407	657	655	668	524	599
-4°C	436	702	700	714	566	640
-2°C	466	749	747	762	611	684
0°C	499	799	797	813	659	729
1°C	515	825	822	840	683	753
2°C	532	851	848	867	708	777
3°C	549	878	875	894	734	802
4°C	567	906	903	923	760	828
5°C	585	934	931	951	787	854
6°C	603	963	960	981	815	880
7°C	622	993	989	1012	843	907
8°C	642	1023	1020	1043	872	935
9°C	661	1054	1050	1074	901	964
10°C	682	1086	1082	1107	931	993
11°C	703	1118	1114	1140	962	1023
12°C	724	1151	1147	1174	993	1053
13°C	745	1185	1181	1209	1026	1085
14°C	768	1220	1216	1245	1059	1116
15°C	790	1255	1251	1281	1092	1149
16°C	813	1291	1287	1318	1126	1182
17°C	837	1328	1324	1356	1161	1216
18°C	861	1366	1361	1395	1197	1251
19°C	886	1404	1400	1434	1234	1287
20°C	911	1444	1439	1475	1271	1323
21°C	937	1484	1479	1516	1309	1360
22°C	963	1525	1520	1558	1348	1398

- Working with all refrigerants involves a degree of risk. It is recommended to use best practices and always adhere to safety protocols before and during when working with refrigerants.
- DO NOT MIX REFRIGERANTS
- Per current US EPA SNAP approvals, A2L refrigerants **can only** be used in new equipment and **CANNOT** be used to retrofit a different refrigerant into an existing system. Always use the same refrigerant marked on the nameplate.
- This document does not provide all data needed for a full refrigerant evaluation.



A1 vs. A2L Pressure Temperature Chart CANADA (°C/kPa)

Temp (°C)	R-22	R-410A		R-32	R-454B	
	A1	A1		A2L	A2L	
	Pure/single component: (100% R-22)	Blend: R-32 (50%), R-125 (50%)		Pure/single component: (100% R-32)	Blend: R-32 (68.9%), R-1234yf (31.1%)	
	Pressure (kPa)	Liquid Pressure (kPa)	Vapor Pressure (kPa)	Pressure (kPa)	Liquid Pressure (kPa)	Vapor Pressure (kPa)
23°C	990	1567	1561	1601	1388	1436
24°C	1017	1609	1604	1645	1428	1476
25°C	1045	1653	1647	1690	1470	1516
26°C	1073	1697	1692	1735	1512	1557
27°C	1102	1743	1737	1782	1555	1599
28°C	1132	1789	1783	1830	1598	1642
29°C	1162	1836	1830	1878	1643	1685
30°C	1193	1884	1878	1928	1689	1730
31°C	1224	1933	1927	1978	1735	1775
32°C	1256	1983	1977	2029	1782	1821
33°C	1289	2034	2027	2082	1831	1868
34°C	1322	2086	2079	2135	1880	1917
35°C	1356	2139	2132	2190	1930	1966
36°C	1390	2193	2186	2245	1981	2016
37°C	1426	2248	2241	2302	2033	2066
38°C	1461	2304	2296	2360	2086	2118
39°C	1498	2361	2353	2418	2140	2171
40°C	1535	2419	2411	2478	2194	2225
41°C	1573	2479	2470	2539	2250	2280
42°C	1611	2539	2530	2601	2307	2336
43°C	1650	2600	2591	2665	2365	2393
44°C	1690	2663	2654	2729	2424	2451
45°C	1731	2726	2717	2795	2484	2510
46°C	1771	2791	2782	2862	2545	2571
47°C	1814	2857	2847	2930	2608	2632
48°C	1856	2924	2914	2999	2671	2695
49°C	1900	2992	2982	3069	2735	2758
50°C	1944	3061	3052	3141	2801	2823
51°C	1989	3132	3122	3214	2867	2889
52°C	2034	3204	3194	3289	2935	2957
53°C	2081	3277	3267	3364	3004	3025
54°C	2129	3351	3341	3442	3074	3095
55°C	2176	3427	3416	3520	3146	3166
56°C	2230	3503	3493	3600	3218	3238
57°C	2274	3581	3571	3681	3292	3312
58°C	2326	3661	3651	3764	3367	3387
59°C	2377	3741	3732	3848	3444	3463
60°C	2429	3823	3814	3933	3521	3541
61°C	2482	3907	3897	4020	3600	3620
62°C	2535	3991	3982	4109	3681	3701
63°C	2590	4077	4068	4199	3762	3783
64°C	2646	4165	4156	4291	3845	3866
65°C	2702	4253	4245	4384	3930	3952

The pressure temperature chart values were provided by:
Weitron (www.weitron.com)



Learn more about R-32 at
www.R32REASONS.com