

Temp (°F)	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 (psig)	Liquid Pressure (psig)	Vapor Pressure (psig)	Pressure (psig)	Liquid Pressure (psig)	Vapor Pressure (psig)
-38°F	1.40	12.10	12.00	12.40	11.20	10.00
-36°F	2.20	13.40	13.30	13.70	12.50	11.20
-34°F	3.10	14.80	14.70	15.20	13.80	12.50
-32°F	4.00	16.30	16.20	16.60	15.30	13.90
-30°F	4.90	17.80	17.70	18.20	16.70	15.30
-28°F	5.90	19.40	19.30	19.80	18.20	16.70
-26°F	6.90	21.00	20.90	21.40	19.80	18.20
-24°F	8.00	22.70	22.60	23.20	21.40	19.80
-22°F	9.10	24.50	24.40	25.00	23.10	21.40
-20°F	10.20	26.30	26.20	26.80	24.90	23.00
-18°F	11.40	28.20	28.10	28.70	26.70	24.80
-16°F	12.60	30.20	30.00	30.70	28.60	26.60
-14°F	13.90	32.20	32.00	32.80	30.50	28.40
-12°F	15.20	34.30	34.10	34.90	32.50	30.30
-10°F	16.50	36.50	36.30	37.10	34.60	32.30
-8°F	17.90	38.70	38.50	39.40	36.70	34.40
-6°F	19.40	41.00	40.80	41.70	39.00	36.50
-4°F	20.90	43.40	43.20	44.10	41.20	38.70
-2°F	22.40	45.90	45.70	46.70	43.60	40.90
0°F	24.00	48.40	48.20	49.20	46.10	43.30
2°F	25.70	51.10	50.80	51.90	48.60	45.70
4°F	27.40	53.80	53.50	54.70	51.20	48.10
6°F	29.20	56.60	56.30	57.50	53.80	50.70
8°F	31.00	59.50	59.20	60.50	56.60	53.30
10°F	32.80	62.40	62.20	63.50	59.50	56.10
12°F	34.80	65.50	65.20	66.60	62.40	58.90
14°F	36.80	68.60	68.40	69.80	65.40	61.80
16°F	38.80	71.90	71.60	73.10	68.50	64.70
18°F	40.90	75.20	74.90	76.50	71.70	67.80
20°F	43.10	78.70	78.40	80.00	75.00	70.90
22°F	45.30	82.20	81.90	83.60	78.40	74.20
24°F	47.60	85.80	85.50	87.30	81.80	77.50
26°F	50.00	89.60	89.20	91.10	85.40	80.90
28°F	52.40	93.40	93.10	95.10	89.10	84.40
30°F	55.00	97.40	97.00	99.10	92.90	88.10
32°F	57.50	101.40	101.10	103.20	96.80	91.80
34°F	60.20	105.60	105.20	107.50	100.70	95.60
36°F	62.90	109.90	109.50	111.80	104.80	99.50
38°F	65.70	114.30	113.90	116.30	109.00	103.60
40°F	68.60	118.80	118.40	121.00	113.30	107.70

- 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 USA (°F/psig)

Temp (°F)	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 (psig)	Liquid Pressure (psig)	Vapor Pressure (psig)	Pressure (psig)	Liquid Pressure (psig)	Vapor Pressure (psig)
42°F	71.50	123.40	123.00	125.70	117.80	112.00
44°F	74.50	128.20	127.70	130.50	122.30	116.30
46°F	77.60	133.00	132.60	135.50	126.90	120.80
48°F	80.80	138.00	137.50	140.60	131.70	125.40
50°F	84.10	143.20	142.60	145.80	136.60	130.10
52°F	87.40	148.40	147.90	151.20	141.60	134.90
54°F	90.80	153.80	153.20	156.70	146.70	139.80
56°F	94.40	159.30	158.70	162.40	152.00	144.90
58°F	98.00	164.90	164.40	168.10	157.40	150.10
60°F	101.60	170.70	170.10	174.00	162.90	155.40
62°F	105.40	176.70	176.00	180.10	168.60	160.80
64°F	109.30	182.70	182.10	186.30	174.30	166.40
66°F	113.20	188.90	188.30	192.70	180.20	172.10
68°F	117.30	195.30	194.60	199.20	186.30	178.00
70°F	121.40	201.80	201.10	205.80	192.50	184.00
72°F	125.70	208.40	207.70	212.60	198.80	190.10
74°F	130.00	215.20	214.50	219.60	205.30	196.40
76°F	134.50	222.20	221.40	226.70	211.90	202.80
78°F	139.00	229.30	228.50	234.00	218.70	209.30
80°F	143.60	236.50	235.80	241.50	225.60	216.10
82°F	148.40	244.00	243.20	249.10	232.70	222.90
84°F	153.20	251.60	250.70	256.90	239.90	229.90
86°F	158.20	259.30	258.50	264.90	247.30	237.10
88°F	163.20	267.30	266.40	273.00	254.80	244.40
90°F	168.40	275.40	274.50	281.30	262.50	251.90
92°F	173.70	283.60	282.70	289.80	270.40	259.60
94°F	179.10	292.10	291.20	298.50	278.40	267.40
96°F	184.60	300.70	299.80	307.40	286.60	275.40
98°F	190.20	309.50	308.60	316.40	295.00	283.60
100°F	195.90	318.60	317.60	325.70	303.60	291.60
105°F	210.80	341.90	340.90	349.60	325.70	313.60
110°F	226.40	366.40	365.40	374.90	348.90	336.40
115°F	242.80	392.30	391.20	401.40	373.40	360.50
120°F	260.00	419.40	418.30	429.30	399.10	385.80
125°F	278.00	447.90	446.80	458.70	426.00	412.40
130°F	296.90	477.90	476.80	489.50	454.20	440.50
135°F	316.70	509.40	508.30	521.80	483.80	470.00
140°F	337.40	542.50	541.40	555.80	514.90	501.00
145°F	359.00	577.30	576.30	591.40	547.30	533.70
150°F	381.70	613.90	613.00	628.80	581.40	568.20

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



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