

Pressure Temperature Chart

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Forane® Refrigerant Cylinder Identification

Type	Color Code	Size in lbs. (Container Type)
R-22	Light Green	30 (A), 50 (A), 125 (B), 1,000 (D), 1,750 (E)
R-32	Dark Teal	20 (A), 800 (B)
R-123	Light Blue Grey	100 (C), 200 (C)
R-134a	Light Blue	30 (A), 125 (B), 1,000 (D), 1,750 (E)
R-401A	Pinkish Red	20 (A), 30 (A), 125 (B)
R-401B	Mustard	30 (A), 125 (B)
R-402A	Sand	20 (A), 27 (A), 110 (B)
R-402B	Olive	13 (A)
R-404A	Orange	20 (A), 24 (A), 100 (B), 800 (D), 1,300 (E)
R-407A	Lime Green	20 (A), 25 (A), 115 (B)
R-407C	Brown	25 (A), 115 (B), 950 (D), 1,600 (E)
R-408A	Medium Purple	20 (A), 24 (A), 100 (B), 1,300 (E)
R-409A	Tan	20 (A), 30 (A), 125 (B), 1,800 (E)
R-410A	Rose	20 (A), 25 (A), 100 (B), 850 (D), 1,350 (E)
R-427A	Green	20 (A), 25 (A), 110 (B)
R-507A	Teal	20 (A), 25 (A), 100 (B), 800 (D), 1,400 (E)



Container Types: Drawings not to scale

PRESSURE (PSIG) *

Sat Temp (°F)	R-409A Liquid Pressure	R-409A Vapor Pressure	R-410A Liquid Pressure	R-427A Liquid Pressure	R-427A Liquid Pressure	R-507A
-50	12.2	18.7	5.0	3.5	11.4	0.9
-45	9.6	16.9	7.7	0.1	8.4	3.0
-40	6.7	14.8	10.8	2.2	5.1	5.4
-35	3.5	12.5	14.1	4.5	1.5	8.1
-30	0.0	9.9	17.8	7.0	1.3	11.0
-25	1.9	7.0	21.9	9.7	3.5	14.1
-20	4.0	3.8	26.3	12.8	6.0	17.6
-15	6.3	0.2	31.2	16.1	8.7	21.4
-10	8.8	1.8	36.5	19.7	11.7	25.5
-5	11.6	4.0	42.2	23.6	15.0	30.0
0	14.6	6.3	48.4	27.9	18.7	34.8
5	17.8	8.8	55.2	32.6	22.6	40.1
10	21.3	11.6	62.4	37.6	26.9	45.7
15	25.1	14.7	70.3	43.0	31.5	51.8
20	29.2	18.0	78.7	48.8	36.6	58.3
25	33.6	21.6	87.7	55.0	42.1	65.3
30	38.4	25.5	97.4	61.7	48.0	72.7
35	43.4	29.7	107.7	68.9	54.3	80.7
40	48.9	34.2	118.8	76.6	61.2	89.2
45	54.7	39.1	130.6	84.8	68.5	98.3
50	60.9	44.3	143.2	93.6	76.4	108.0
55	67.4	49.9	156.5	102.9	84.8	118.3
60	74.5	55.9	170.7	112.8	93.8	129.2
65	81.9	62.3	185.8	123.3	103.4	140.8
70	89.8	69.1	201.8	134.4	113.7	153.0
75	98.2	76.4	218.7	146.2	124.6	165.9
80	107.0	84.2	236.5	158.6	136.1	179.6
85	116.4	92.5	255.4	171.8	148.4	194.1
90	126.2	101.2	275.4	185.7	161.5	209.3
95	136.6	110.5	296.4	200.3	175.3	225.4
100	147.6	120.3	318.6	215.8	189.9	242.3
105	159.1	130.7	341.9	232.0	205.4	260.1
110	171.2	141.7	366.4	249.1	221.7	278.8
115	183.9	153.3	392.3	267.0	238.9	298.5
120	197.2	165.6	419.4	285.8	257.1	319.2
125	211.1	178.5	447.9	305.5	276.3	340.9
130	225.7	192.0	477.9	326.2	296.5	363.8
135	241.0	206.3	509.4	347.8	317.8	387.8
140	257.0	221.3	542.5	370.5	340.3	413.0
145	273.7	237.1	577.3	394.1	363.9	439.5
150	291.1	253.6	613.9	418.9	388.8	467.4

Red Numerals (in bold and italics) - Inches Hg Below 1 ATM

*This data was generated using the NIST REFPROP Database (Lemmon, E.W., Huber, M.L., McLinden, M.O. NIST Standard Reference Database 23: Reference Fluid Thermodynamic and Transport Properties-REFPROP, Version 9.0, National Institute of Standards and Technology, Standard Reference Data Program, Gaithersburg, 2010)

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PRESSURE (PSIG) *

Sat Temp (°F)	R-22	R-32	R-123	R-134a	R-401A Liquid Pressure	R-401A Vapor Pressure	R-401B Liquid Pressure	R-401B Vapor Pressure
-50	6.1	5.2	29.2	18.7	13.5	17.9	12.2	16.8
-45	2.7	8.0	29.0	16.9	11.1	16.0	9.6	14.7
-40	0.6	11.0	28.9	14.8	8.4	13.8	6.7	12.4
-35	2.6	14.4	28.7	12.5	5.3	11.4	3.4	9.7
-30	4.9	18.2	28.4	9.8	2.0	8.7	0.1	6.8
-25	7.4	22.3	28.1	6.9	0.8	5.6	2.0	3.5
-20	10.2	26.8	27.8	3.7	2.9	2.2	4.1	0.1
-15	13.2	31.7	27.4	0.0	5.1	0.7	6.5	2.0
-10	16.5	37.1	27.0	1.9	7.5	2.8	9.1	4.2
-5	20.1	42.9	26.5	4.1	10.1	5.0	11.9	6.6
0	24.0	49.3	25.9	6.5	13.0	7.4	14.9	9.2
5	28.3	56.1	25.3	9.1	16.1	10.1	18.2	12.1
10	32.8	63.5	24.6	11.9	19.5	13.0	21.8	15.2
15	37.8	71.4	23.8	15.0	23.1	16.2	25.7	18.6
20	43.1	80.0	22.9	18.4	27.1	19.6	29.9	22.3
25	48.8	89.2	21.9	22.1	31.4	23.4	34.4	26.3
30	55.0	99.1	20.8	26.1	36.0	27.4	39.3	30.6
35	61.5	109.7	19.5	30.4	40.9	31.8	44.5	35.2
40	68.6	121.0	18.2	35.0	46.2	36.5	50.1	40.2
45	76.1	133.0	16.6	40.1	51.8	41.6	56.0	45.6
50	84.1	145.9	15.0	45.4	57.9	47.0	62.4	51.4
55	92.6	159.5	13.2	51.2	64.3	52.8	69.2	57.5
60	101.6	174.1	11.2	57.4	71.2	59.0	76.5	64.1
65	111.3	189.5	9.0	64.0	78.5	65.7	84.2	71.2
70	121.4	205.8	6.6	71.1	86.3	72.8	92.3	78.7
75	132.2	223.2	4.0	78.7	94.5	80.3	101.0	86.7
80	143.6	241.5	1.2	86.7	103.2	88.4	110.2	95.2
85	155.7	260.9	0.9	95.2	112.4	96.9	119.9	104.2
90	168.4	281.3	2.5	104.3	122.2	106.0	130.1	113.8
95	181.8	302.9	4.2	114.0	132.5	115.6	140.9	123.9
100	195.9	325.7	6.1	124.2	143.3	125.8	152.3	134.7
105	210.8	349.7	8.1	135.0	154.8	136.5	164.3	146.0
110	226.4	374.9	10.3	146.4	166.8	147.8	176.9	158.0
115	242.8	401.4	12.6	158.4	179.4	159.8	190.1	170.6
120	260.0	429.3	15.1	171.2	192.7	172.4	204.1	183.9
125	278.0	458.7	17.7	184.6	206.6	185.7	218.6	197.9
130	296.9	489.5	20.6	198.7	221.2	199.7	233.9	212.6
135	316.7	521.8	23.6	213.6	236.5	214.5	250.0	228.1
140	337.4	555.8	26.8	229.2	252.5	229.9	266.7	244.3
145	359.0	591.4	30.2	245.7	269.3	246.2	284.3	261.4
150	381.7	628.8	33.8	262.9	286.8	263.2	302.6	279.3

PRESSURE (PSIG) *

Sat Temp (°F)	R-402A Liquid Pressure	R-402B Liquid Pressure	R-404A Liquid Pressure	R-407A Liquid Pressure	R-407A Vapor Pressure	R-407C Liquid Pressure	R-407C Vapor Pressure	R-408A Liquid Pressure
-50	2.5	1.1	0.5	0.8	9.0	0.8	9.0	1.4
-45	4.9	3.2	2.6	1.7	5.7	1.7	5.7	1.3
-40	7.4	5.6	4.9	3.9	2.0	3.9	2.0	3.5
-35	10.3	8.2	7.5	6.4	1.0	6.4	1.0	5.8
-30	13.4	11.1	10.3	9.2	3.3	9.2	3.3	8.5
-25	16.8	14.2	13.4	12.2	5.8	12.2	5.8	11.3
-20	20.5	17.7	16.8	15.6	8.5	15.6	8.5	14.5
-15	24.5	21.4	20.5	19.2	11.5	19.2	11.5	17.9
-10	28.8	25.5	24.6	23.2	14.9	23.2	14.9	21.7
-5	33.6	29.9	28.9	27.5	18.5	27.5	18.5	25.7
0	38.7	34.6	33.7	32.2	22.5	32.2	22.5	30.1
5	44.2	39.8	38.8	37.3	26.9	37.3	26.9	34.9
10	50.2	45.3	44.3	42.8	31.6	42.8	31.6	40.0
15	56.5	51.3	50.2	48.7	36.7	48.7	36.7	45.5
20	63.4	57.7	56.6	55.1	42.3	55.1	42.3	51.5
25	70.7	64.5	63.4	62.0	48.3	62.0	48.3	57.8
30	78.6	71.8	70.7	69.3	54.8	69.3	54.8	64.6
35	86.9	79.7	78.6	77.2	61.8	77.2	61.8	71.9
40	95.8	88.0	86.9	85.6	69.4	85.6	69.4	79.7
45	105.3	96.9	95.8	94.6	77.4	94.6	77.4	88.0
50	115.4	106.3	105.3	104.2	86.1	104.2	86.1	96.8
55	126.1	116.3	115.3	114.4	95.3	114.4	95.3	106.2
60	137.4	127.0	126.0	125.2	105.2	125.2	105.2	116.1
65	149.4	138.2	137.3	136.7	115.8	136.7	115.8	126.7
70	162.1	150.1	149.3	148.8	127.0	148.8	127.0	137.8
75	175.5	162.7	162.0	161.7	138.9	161.7	138.9	149.6
80	189.7	176.0	175.4	175.3	151.6	175.3	151.6	162.1
85	204.6	190.0	189.5	189.7	165.1	189.7	165.1	175.3
90	220.3	204.7	204.5	204.8	179.3	204.8	179.3	189.2
95	236.8	220.2	220.2	220.8	194.5	220.8	194.5	203.8
100	254.2	236.5	236.8	237.7	210.4	237.7	210.4	219.2
105	272.5	253.7	254.2	255.3	227.4	255.3	227.4	235.3
110	291.6	271.7	272.5	273.9	245.2	273.9	245.2	252.3
115	311.8	290.5	291.8	293.5	264.1	293.5	264.1	270.2
120	332.9	310.3	312.1	314.0	284.0	314.0	284.0	288.9
125	355.0	331.0	333.3	335.4	305.0	335.4	305.0	308.6
130	378.1	352.7	355.7	357.9	327.1	357.9	327.1	329.2
135	402.4	375.4	379.1	381.5	350.5	381.5	350.5	350.7
140	427.8	399.2	403.7	406.2	375.1	406.2	375.1	373.3
145	454.5	424.0	429.6	431.9	401.0	431.9	401.0	397.0
150	482.3	450.0	456.8	458.9	428.3	458.9	428.3	421.7



Red Numerals (in bold and italics) - Inches Hg Below 1 ATM

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