

PRESSURE (PSIG)*

Sat Temp (°F)	R-22	R-407C Liquid Pressure	R-407C Vapor Pressure	R-410A Liquid Pressure	R-427A Liquid Pressure	R-427A Vapor Pressure	R-407A Liquid Pressure	R-407A Vapor Pressure
-50	6.1	2.7	11.0	5.0	3.5	11.4	0.8	9.0
-45	2.7	0.6	8.0	7.7	0.1	8.4	1.7	5.7
-40	0.6	2.7	4.6	10.8	2.2	5.1	3.9	2.0
-35	2.6	5.1	0.9	14.1	4.5	1.5	6.4	1.0
-30	4.9	7.7	1.6	17.8	7.0	1.3	9.2	3.3
-25	7.4	10.6	3.9	21.9	9.7	3.5	12.2	5.8
-20	10.2	13.7	6.5	26.3	12.8	6.0	15.6	8.5
-15	13.2	17.2	9.3	31.2	16.1	8.7	19.2	11.5
-10	16.5	20.9	12.3	36.5	19.7	11.7	23.2	14.9
-5	20.1	25.0	15.7	42.2	23.6	15.0	27.5	18.5
0	24.0	29.5	19.4	48.4	27.9	18.7	32.2	22.5
5	28.3	34.3	23.5	55.2	32.6	22.6	37.3	26.9
10	32.8	39.5	27.9	62.4	37.6	26.9	42.8	31.6
15	37.8	45.2	32.7	70.3	43.0	31.5	48.7	36.7
20	43.1	51.2	37.9	78.7	48.8	36.6	55.1	42.3
25	48.8	57.7	43.5	87.7	55.0	42.1	62.0	48.3
30	55.0	64.7	49.6	97.4	61.7	48.0	69.3	54.8
35	61.5	72.2	56.1	107.7	68.9	54.3	77.2	61.8
40	68.6	80.2	63.2	118.8	76.6	61.2	85.6	69.4
45	76.1	88.8	70.7	130.6	84.8	68.5	94.6	77.4
50	84.1	97.9	78.8	143.2	93.6	76.4	104.2	86.1
55	92.6	107.6	87.5	156.5	102.9	84.8	114.4	95.3
60	101.6	118.0	96.8	170.7	112.8	93.8	125.2	105.2
65	111.3	128.9	106.7	185.8	123.3	103.4	136.7	115.8
70	121.4	140.5	117.3	201.8	134.4	113.7	148.8	127.0
75	132.2	152.8	128.6	218.7	146.2	124.6	161.7	138.9
80	143.6	165.8	140.5	236.5	158.6	136.1	175.3	151.6
85	155.7	179.6	153.2	255.4	171.8	148.4	189.7	165.1
90	168.4	194.1	166.7	275.4	185.7	161.5	204.8	179.3
95	181.8	209.4	181.0	296.4	200.3	175.3	220.8	194.5
100	195.9	225.5	196.1	318.6	215.8	189.9	237.7	210.4
105	210.8	242.4	212.1	341.9	232.0	205.4	255.3	227.4
110	226.4	260.3	229.0	366.4	249.1	221.7	273.9	245.2
115	242.8	279.0	246.9	392.3	267.0	238.9	293.5	264.1
120	260.0	298.6	265.8	419.4	285.8	257.1	314.0	284.0
125	278.0	319.2	285.7	447.9	305.5	276.3	335.4	305.0
130	296.9	340.7	306.7	477.9	326.2	296.5	357.9	327.1
135	316.7	363.3	328.8	509.4	347.8	317.8	381.5	350.5
140	337.4	387.0	352.1	542.5	370.5	340.3	406.2	375.1
145	359.0	411.7	376.6	577.3	394.1	363.9	431.9	401.0
150	381.7	437.5	402.5	613.9	418.9	388.8	458.9	428.3

PRESSURE (PSIG)*

Sat Temp (°F)	R-12	R-134a	R-409A Liquid Pressure	R-409A Vapor Pressure	R-401A Liquid Pressure	R-401A Vapor Pressure	R-401B Liquid Pressure	R-401B Vapor Pressure
-50	15.4	18.7	12.2	18.7	13.5	17.9	12.2	16.8
-45	13.3	16.9	9.6	16.9	11.1	16.0	9.6	14.7
-40	11.0	14.8	6.7	14.8	8.4	13.8	6.7	12.4
-35	8.4	12.5	3.5	12.5	5.3	11.4	3.4	9.7
-30	5.5	9.8	0.0	9.9	2.0	8.7	0.1	6.8
-25	2.4	6.9	1.9	7.0	0.8	5.6	2.0	3.5
-20	0.5	3.7	4.0	3.8	2.9	2.2	4.1	0.1
-15	2.4	0.0	6.3	0.2	5.1	0.7	6.5	2.0
-10	4.5	1.9	8.8	1.8	7.5	2.8	9.1	4.2
-5	6.7	4.1	11.6	4.0	10.1	5.0	11.9	6.6
0	9.1	6.5	14.6	6.3	13.0	7.4	14.9	9.2
5	11.7	9.1	17.8	8.8	16.1	10.1	18.2	12.1
10	14.6	11.9	21.3	11.6	19.5	13.0	21.8	15.2
15	17.7	15.0	25.1	14.7	23.1	16.2	25.7	18.6
20	21.0	18.4	29.2	18.0	27.1	19.6	29.9	22.3
25	24.6	22.1	33.6	21.6	31.4	23.4	34.4	26.3
30	28.4	26.1	38.4	25.5	36.0	27.4	39.3	30.6
35	32.5	30.4	43.4	29.7	40.9	31.8	44.5	35.2
40	36.9	35.0	48.9	34.2	46.2	36.5	50.1	40.2
45	41.6	40.1	54.7	39.1	51.8	41.6	56.0	45.6
50	46.6	45.4	60.9	44.3	57.9	47.0	62.4	51.4
55	51.9	51.2	67.4	49.9	64.3	52.8	69.2	57.5
60	57.6	57.4	74.5	55.9	71.2	59.0	76.5	64.1
65	63.7	64.0	81.9	62.3	78.5	65.7	84.2	71.2
70	70.1	71.1	89.8	69.1	86.3	72.8	92.3	78.7
75	76.8	78.7	98.2	76.4	94.5	80.3	101.0	86.7
80	84.0	86.7	107.0	84.2	103.2	88.4	110.2	95.2
85	91.6	95.2	116.4	92.5	112.4	96.9	119.9	104.2
90	99.6	104.3	126.2	101.2	122.2	106.0	130.1	113.8
95	108.0	114.0	136.6	110.5	132.5	115.6	140.9	123.9
100	116.9	124.2	147.6	120.3	143.3	125.8	152.3	134.7
105	126.3	135.0	159.1	130.7	154.8	136.5	164.3	146.0
110	136.1	146.4	171.2	141.7	166.8	147.8	176.9	158.0
115	146.4	158.4	183.9	153.3	179.4	159.8	190.1	170.6
120	157.3	171.2	197.2	165.6	192.7	172.4	204.1	183.9
125	168.6	184.6	211.1	178.5	206.6	185.7	218.6	197.9
130	180.5	198.7	225.7	192.0	221.2	199.7	233.9	212.6
135	193.0	213.6	241.0	206.3	236.5	214.5	250.0	228.1
140	206.0	229.2	257.0	221.3	252.5	229.9	266.7	244.3
145	219.7	245.7	273.7	237.1	269.3	246.2	284.3	261.4
150	233.9	262.9	291.1	253.6	286.8	263.2	302.6	279.3

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

Pressure Temperature Chart



Forane® Refrigerant Cylinder Identification

Type	Color Code	Size in lbs. (Container Type)
R-12	CFC	White 30 (A), 50 (A), 145 (B), 2000 (E)
R-502	CFC	Lavender 30 (A), 125 (B)
R-22	HCFC	Light Green 30 (A), 50 (A), 125 (B), 1000(D), 1750 (E)
R-123	HCFC	Light Blue Grey 100 (C), 200 (C)
R-401A	HCFC	Pinkish Red 30 (A), 125 (B)
R-401B	HCFC	Mustard 30 (A), 125 (B)
R-402A	HCFC	Sand 27 (A), 110 (B)
R-402B	HCFC	Olive 13 (A)
R-408A	HCFC	Medium Purple 24 (A), 100 (B), 1300 (E)
R-409A	HCFC	Tan 30 (A), 125 (B), 1800 (E)
R-134a	HFC	Light Blue 30 (A), 125 (B), 1000 (D), 1750 (E)
R-404A	HFC	Orange 24 (A), 100 (B), 800 (D), 1300 (E)
R-407A	HFC	Lime Green 25 (A), 115 (B)
R-407C	HFC	Brown 25 (A), 115 (B), 1000 (D), 1600 (E)
R-427A	HFC	Green 25 (A) 110 (B)
R-410A	HFC	Rose 25 (A), 100 (B), 850 (D), 1350 (E)
R-507A	HFC	Teal 25 (A), 100 (B), 800 (D), 1400 (E)



13/24/25/
27/30/50 lb.
(A)



100/110/115/
125/145 lb.
(B)



100/200 lb.
(C)



1300/1350/1400/1600/
1750/1800/2000 lb.
(E)



800/850/1000 lb.
(D)

Container Types: Drawings not to scale

PRESSURE (PSIG)*

Sat Temp (°F)	R-502	R-408A Liquid Pressure	R-402A Liquid Pressure	R-402B Liquid Pressure	R-404A Liquid Pressure	R-507A	R-123
-50	0.3	1.4	2.5	1.1	0.5	0.9	29.2
-45	1.8	1.3	4.9	3.2	2.6	3.0	29.0
-40	4.0	3.5	7.4	5.6	4.9	5.4	28.9
-35	6.4	5.8	10.3	8.2	7.5	8.1	28.7
-30	9.1	8.5	13.4	11.1	10.3	11.0	28.4
-25	11.9	11.3	16.8	14.2	13.4	14.1	28.1
-20	15.1	14.5	20.5	17.7	16.8	17.6	27.8
-15	18.5	17.9	24.5	21.4	20.5	21.4	27.4
-10	22.2	21.7	28.8	25.5	24.6	25.5	27.0
-5	26.3	25.7	33.6	29.9	28.9	30.0	26.5
0	30.6	30.1	38.7	34.6	33.7	34.8	25.9
5	35.3	34.9	44.2	39.8	38.8	40.1	25.3
10	40.4	40.0	50.2	45.3	44.3	45.7	24.6
15	45.8	45.5	56.5	51.3	50.2	51.8	23.8
20	51.6	51.5	63.4	57.7	56.6	58.3	22.9
25	57.9	57.8	70.7	64.5	63.4	65.3	21.9
30	64.6	64.6	78.6	71.8	70.7	72.7	20.8
35	71.7	71.9	86.9	79.7	78.6	80.7	19.5
40	79.3	79.7	95.8	88.0	86.9	89.2	18.2
45	87.4	88.0	105.3	96.9	95.8	98.3	16.6
50	96.0	96.8	115.4	106.3	105.3	108.0	15.0
55	105.1	106.2	126.1	116.3	115.3	118.3	13.2
60	114.7	116.1	137.4	127.0	126.0	129.2	11.2
65	125.0	126.7	149.4	138.2	137.3	140.8	9.0
70	135.8	137.8	162.1	150.1	149.3	153.0	6.6
75	147.2	149.6	175.5	162.7	162.0	165.9	4.0
80	159.2	162.1	189.7	176.0	175.4	179.6	1.2
85	171.9	175.3	204.6	190.0	189.5	194.1	0.9
90	185.3	189.2	220.3	204.7	204.5	209.3	2.5
95	199.4	203.8	236.8	220.2	220.2	225.4	4.2
100	214.1	219.2	254.2	236.5	236.8	242.3	6.1
105	229.7	235.3	272.5	253.7	254.2	260.1	8.1
110	246.0	252.3	291.6	271.7	272.5	278.8	10.3
115	263.1	270.2	311.8	290.5	291.8	298.5	12.6
120	281.0	288.9	332.9	310.3	312.1	319.2	15.1
125	299.8	308.6	355.0	331.0	333.3	340.9	17.7
130	319.4	329.2	378.1	352.7	355.7	363.8	20.6
135	340.0	350.7	402.4	375.4	379.1	387.8	23.6
140	361.6	373.3	427.8	399.2	403.7	413.0	26.8
145	384.1	397.0	454.5	424.0	429.6	439.5	30.2
150	407.7	421.7	482.3	450.0	456.8	467.4	33.8

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, Gaithersburg Institute of Standards and Technology, Standard Reference Data Program, Gaithersburg, 2010)