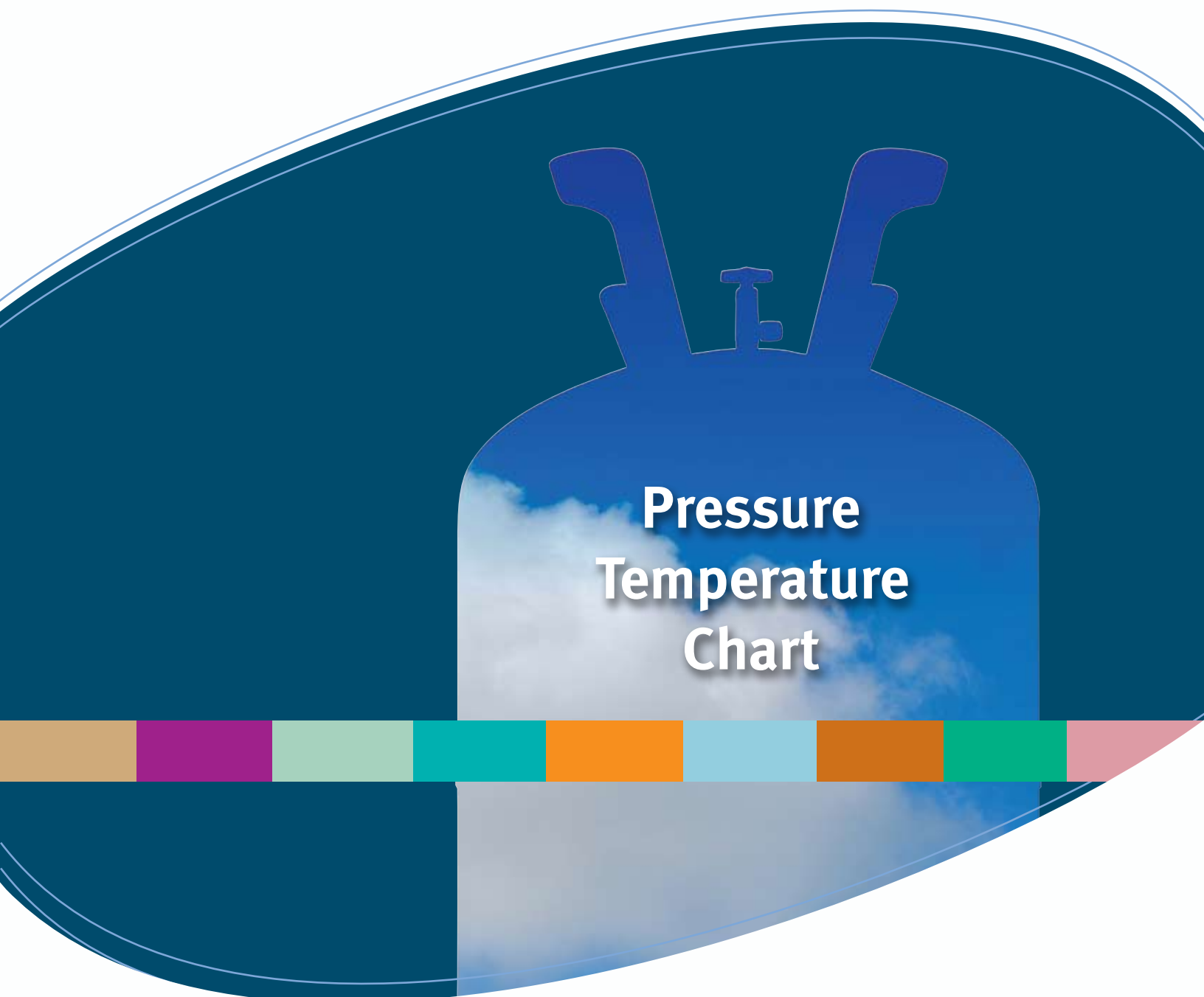


Forane[®]

REFRIGERANTS



Pressure Temperature Chart

Forane® Refrigerant Pressure Temperature Chart

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-123	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	Sat. Temp (°C)
-50	6.2	2.9	11.4	5.3	3.8	11.9	29.2	15.4	18.7	12.4	17.2	13.5	17.9	12.2	16.8	-45.6
-45	2.7	0.4	8.5	8.0	0.1	9.0	29.0	13.3	16.9	9.7	15.2	11.1	16.0	9.6	14.7	-42.8
-40	0.5	2.5	5.2	11.0	1.9	5.9	28.9	11.0	14.8	6.8	13.1	8.4	13.8	6.7	12.4	-40.0
-35	2.6	4.8	1.5	14.2	4.1	2.4	28.7	8.4	12.5	3.5	10.7	5.3	11.4	3.4	9.7	-37.2
-30	4.9	7.3	1.3	17.8	6.6	0.8	28.4	5.5	9.8	0.0	8.1	2.0	8.7	0.1	6.8	-34.4
-25	7.4	10.1	3.6	21.8	9.3	2.9	28.1	2.3	6.9	2.0	5.1	0.8	5.6	2.0	3.5	-31.7
-20	10.1	13.1	6.1	26.1	12.2	5.3	27.8	0.6	3.7	4.1	1.9	2.9	2.2	4.1	0.1	-28.9
-15	13.2	16.5	8.8	30.8	15.4	7.9	27.4	2.4	0.1	6.5	0.8	5.1	0.7	6.5	2.0	-26.1
-10	16.5	20.1	11.9	35.9	18.9	10.8	27.0	4.5	1.9	9.0	2.8	7.5	2.8	9.1	4.2	-23.3
-5	20.0	24.0	15.2	41.5	22.8	14.0	26.5	6.7	4.1	11.8	4.9	10.1	5.0	11.9	6.6	-20.6
0	23.9	28.3	18.9	47.5	26.9	17.5	25.9	9.1	6.5	14.8	7.2	13.0	7.4	14.9	9.2	-17.8
5	28.2	33.0	22.9	54.1	31.4	21.2	25.3	11.8	9.1	18.1	9.7	16.1	10.1	18.2	12.1	-15.0
10	32.8	38.0	27.3	61.2	36.3	25.4	24.6	14.6	11.9	21.7	12.5	19.5	13.0	21.8	15.2	-12.2
15	37.7	43.5	32.0	68.8	41.5	29.9	23.7	17.7	15.0	25.5	15.4	23.1	16.2	25.7	18.6	-9.4
20	43.0	49.3	37.2	77.1	47.2	34.7	22.8	21.0	18.4	29.6	18.7	27.1	19.6	29.9	22.3	-6.7
25	48.7	55.7	42.7	86.0	53.3	40.0	21.8	24.6	22.1	34.0	22.2	31.4	23.4	34.4	26.3	-3.9
30	54.9	62.5	48.7	95.5	59.8	45.7	20.7	28.4	26.0	38.7	26.0	36.0	27.4	39.3	30.6	-1.1
35	61.5	69.8	55.2	105.7	66.8	51.9	19.5	32.5	30.3	43.8	30.1	40.9	31.8	44.5	35.2	1.7
40	68.5	77.6	62.1	116.6	74.3	58.7	18.1	36.9	35.0	49.2	34.5	46.2	36.5	50.1	40.2	4.4
45	76.0	86.0	69.5	128.3	82.3	65.6	16.6	41.6	40.0	54.9	39.2	51.8	41.6	56.0	45.6	7.2
50	84.0	94.9	77.5	140.8	90.8	73.3	15.0	46.7	45.4	61.0	44.3	57.9	47.0	62.4	51.4	10.0
55	92.5	104.5	86.0	154.1	99.9	81.5	13.1	52.0	51.1	67.6	49.8	64.3	52.8	69.2	57.5	12.8
60	101.6	114.6	95.1	168.2	109.6	90.3	11.2	57.7	57.3	74.5	55.6	71.2	59.0	76.5	64.1	15.6
65	111.2	125.4	104.8	183.2	119.9	99.6	9.0	63.7	63.9	81.8	61.9	78.5	65.7	84.2	71.2	18.3
70	121.4	136.9	115.2	199.2	130.8	109.6	6.6	70.2	71.0	89.5	68.6	86.3	72.8	92.3	78.7	21.1
75	80	149.1	126.2	216.1	142.4	120.3	4.0	76.9	78.6	97.7	75.8	94.5	80.3	101.0	86.7	23.9
80	143.6	162.1	137.8	234.0	154.6	131.6	1.2	84.1	86.6	106.4	83.4	103.2	88.4	110.2	95.2	26.7
85	155.7	175.8	150.2	253.0	167.6	143.7	0.9	91.7	95.1	115.5	91.5	112.4	96.9	119.8	104.2	29.4
90	168.4	190.2	163.4	273.0	181.2	156.4	2.5	99.7	104.2	125.2	100.2	122.2	106.0	130.1	113.8	32.2
95	181.8	205.5	177.4	294.1	195.6	170.0	4.2	108.2	113.8	135.3	109.4	132.5	115.6	140.9	123.9	35.0
100	195.9	221.6	192.1	316.4	210.8	184.4	6.1	117.1	124.1	146.0	119.2	143.3	125.7	152.3	134.7	37.8
105	210.7	238.5	207.8	339.9	226.8	199.6	8.1	126.5	134.9	157.2	129.6	154.8	136.5	164.3	146.0	40.6
110	226.3	256.4	224.4	364.6	243.6	215.7	10.3	136.4	146.3	169.0	140.6	166.8	147.8	176.9	158.0	43.3
115	242.7	275.1	241.9	390.5	261.2	232.7	12.6	146.7	158.4	181.4	152.3	179.4	159.8	190.1	170.6	46.1
120	259.9	294.7	260.5	417.7	279.7	250.6	15.1	157.6	171.1	194.4	164.7	192.7	172.4	204.0	183.9	48.9
125	277.9	315.2	280.1	446.3	299.1	269.5	17.7	169.0	184.5	208.0	177.8	206.6	185.7	218.6	197.9	51.7
130	296.8	336.7	300.9	476.3	319.4	289.5	20.6	180.9	198.7	222.3	191.6	221.2	199.7	233.9	212.6	54.4
135	316.5	359.2	322.9	507.6	340.7	310.5	23.6	193.5	213.6	237.2	206.3	236.5	214.5	250.0	228.1	57.2
140	337.2	382.6	346.2	540.5	362.9	332.6	26.8	206.5	229.3	252.9	221.8	252.5	229.9	266.7	244.3	60.0
145	358.8	407.0	370.8	574.8	386.1	355.9	30.2	220.2	245.7	269.3	238.2	269.3	246.2	284.3	261.4	62.8
150	381.5	432.4	396.9	610.6	410.3	380.4	33.8	234.5	263.0	286.4	255.5	286.8	263.2	302.6	279.3	65.6

Red Numerals - Inches Hg. Below 1 ATM

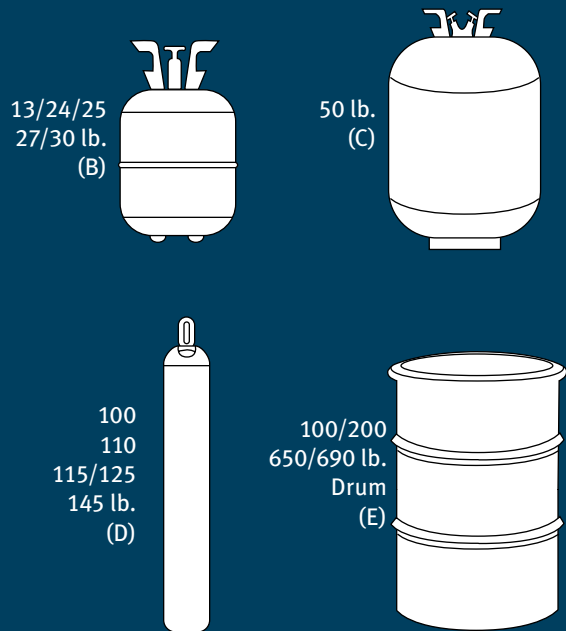
Forane® Refrigerant Cylinder Identification

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

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	Sat. Temp (°C)
-50	0.2	1.6	2.5	1.1	0.6	1.1	-45.6
-45	1.9	1.1	4.9	3.2	2.7	3.3	-42.8
-40	4.1	3.3	7.4	5.6	5.0	5.7	-40.0
-35	6.5	5.6	10.3	8.2	7.6	8.3	-37.2
-30	9.2	8.2	13.4	11.1	10.4	11.2	-34.4
-25	12.1	11.0	16.7	14.2	13.4	14.3	-31.7
-20	15.3	14.1	20.4	17.6	16.8	17.8	-28.9
-15	18.8	17.5	24.5	21.4	20.5	21.6	-26.1
-10	22.6	21.2	28.8	25.4	24.5	25.7	-23.3
-5	26.7	25.2	33.6	29.8	28.8	30.1	-20.6
0	31.1	29.5	38.7	34.6	33.5	34.9	-17.8
5	35.9	34.2	44.2	39.8	38.6	40.2	-15.0
10	41.0	39.3	50.1	45.3	44.0	45.8	-12.2
15	46.5	44.8	56.5	51.3	49.9	51.8	-9.4
20	52.5	50.7	63.4	57.6	56.2	58.3	-6.7
25	58.8	57.0	70.7	64.5	63.0	65.3	-3.9
30	65.6	63.7	78.5	71.8	70.3	72.8	-1.1
35	72.8	71.0	86.9	79.6	78.1	80.8	1.7
40	80.5	78.7	95.8	88.0	86.4	89.3	4.4
45	88.7	87.0	105.3	96.9	95.2	98.4	7.2
50	97.4	95.8	115.4	106.3	104.7	108.1	10.0
55	106.6	105.1	126.1	116.3	114.7	118.5	12.8
60	116.4	115.1	137.4	127.0	125.3	129.4	15.6
65	126.7	125.6	149.4	138.2	136.6	141.1	18.3
70	137.6	136.8	162.1	150.1	148.6	153.4	21.1
75	149.1	148.7	175.5	162.7	161.2	166.4	23.9
80	161.2	161.2	189.7	176.0	174.6	180.2	26.7
85	174.0	174.4	204.6	189.9	188.8	194.8	29.4
90	187.4	188.4	220.2	204.7	203.7	210.1	32.2
95	201.4	203.1	236.8	220.2	219.4	226.3	35.0
100	216.2	218.7	254.2	236.5	235.9	243.4	37.8
105	231.7	235.4	272.4	253.6	253.4	261.3	40.6
110	247.9	252.1	291.6	271.6	271.7	280.2	43.3
115	264.9	270.2	311.7	290.5	290.9	300.0	46.1
120	282.7	289.1	332.8	310.3	311.1	320.8	48.9
125	301.4	308.9	354.9	331.0	332.3	342.6	51.7
130	320.8	329.7	378.1	352.7	354.5	365.5	54.4
135	341.2	351.5	402.4	375.4	377.8	389.4	57.2
140	362.6	374.3	427.8	399.2	402.2	414.5	60.0
145	385.0	398.1	454.4	424.0	427.7	440.7	62.8
150	408.4	423.0	482.3	450.0	454.4	468.1	65.6

Container Types

Size not to scale



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