



PRESSURE-TEMPERATURE CHART

TEMP (°F)	R-22 psig
-40	0.5
-35	2.6
-30	4.9
-25	7.4
-20	10.1
-15	13.2
-10	16.5
-5	20.1
0	24.0
5	28.2
10	32.8
15	37.7
20	43.0
25	48.8
30	54.9
35	61.5
40	68.5
45	76.0
50	84.0
55	92.6
60	102
65	111
70	121
75	132
80	144
85	156
90	168
95	182
100	196
105	211
110	226
115	243
120	260
125	278
130	297
135	317
140	337
145	359
150	382

R-22

APPLICATIONS:

- ◆ Residential Air Conditioning
- ◆ Commercial Air Conditioning

PERFORMANCE:

- ◆ For maximum performance from equipment manufactured with R-22 — it's best to service with R-22
- ◆ Compatible with Mineral, Alkylbenzene and Polyester Lubricants

Nonflammable / Non-toxic

Physical Properties of Refrigerants

Refrigerant Classification	HCFC
Molecular Weight	86.5
Boiling Point (1atm, °F)	-41.5
Critical Pressure (psia)	723.7
Critical Temperature (°F)	205.1
Critical Density (lb./ft ³)	32.7
Liquid Density (70°F, lb./ft ³)	75.3
Vapor Density (bp, lb./ft ³)	0.294
Heat of Vaporization (bp, BTU/lb.)	100.5
Specific Heat Liquid (70°F, BTU/lb. °F)	0.2967
Specific Heat Vapor (1atm, 70°F, BTU/lb. °F)	0.1573
Ozone Depletion Potential (CFC 11 = 1.0)	0.05
Global Warming Potential (CO ₂ = 1.0)	1810
ASHRAE Standard 34 Safety Rating	A1

NATIONAL

R-22

AVAILABLE SIZES

Type	Size
Cylinder	30 lb.
	50 lb.
	125 lb.
	1000 lb.
	1750 lb.



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Servicing Considerations:

- ◆ Do not top off an existing R-22 charge with any other refrigerant.
- ◆ Recovery of R-22 requires a cylinder with a service pressure of 260 psi minimum.
- ◆ Follow industry approved best practices for recovery of refrigerant and achieve a full vacuum on the system at the end of the recovery process. Avoid mixing refrigerants during recovery.

THINGS TO REMEMBER:

- ✓ R-22 is the **BEST CHOICE** of refrigerant for a system that was designed for R-22
- ✓ Servicing of R-22 systems will be allowed for the life of the installed system
- ✓ Bank your recovered R-22 to manage your supply for years to come
- ✓ R-22 will be available in sufficient quantities to meet servicing demands
- ✓ R-22 is the best economic choice in most instances because a R-22 designed system will operate most efficiently and at optimal capacity using R-22
- ✓ **ALWAYS** purchase R-22 from reputable wholesalers who will guarantee that their product meets AHRI Standard 700 purity standards.

