HCFC Refrigerants

R-22

R-22: Multiple Application Refrigerant.

HCFC single molecule refrigerant, used in AC and refrigeration applications. In 2010, this non-toxic, non-flammable refrigerant was banned for use in new equipment due to its ozone depletion potential.

IUPAC name:	ASHRAE Code:
$CHClF_2$ Chlorodifluoromethane (100%)	R-22

Technical specifications:

0.05	1810	A1	MO, AB, POE
ODP	GWP	Safety classification	Oil

Temperature Range: Low and medium temp commercial refrigeration, residential and commercial AC.

Replaces: OEM applications R-410[a], R-454B, R-32. Retrofit to R-438A, R-422B, R-421A, R-422D, R-427A, R-453A.

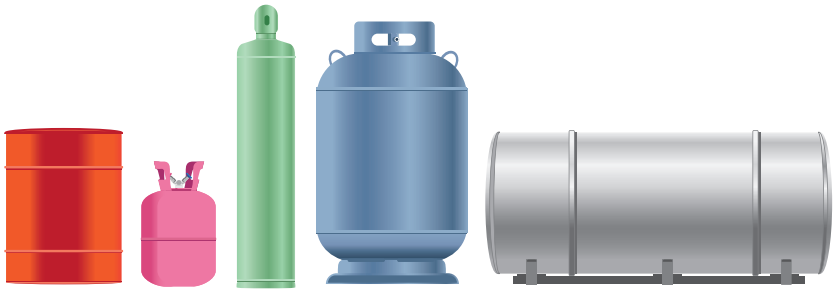
Type of replacement: OEM

Applications:

- Commercial and residential AC
- Commercial refrigeration
- Large centrifugal chillers - low pressure

Packaging:

- R-22 30 LB Cylinder
- R-22 125 LB Cylinder
- R-22 1000 LB Cylinder
- R-22 1750 LB Cylinder

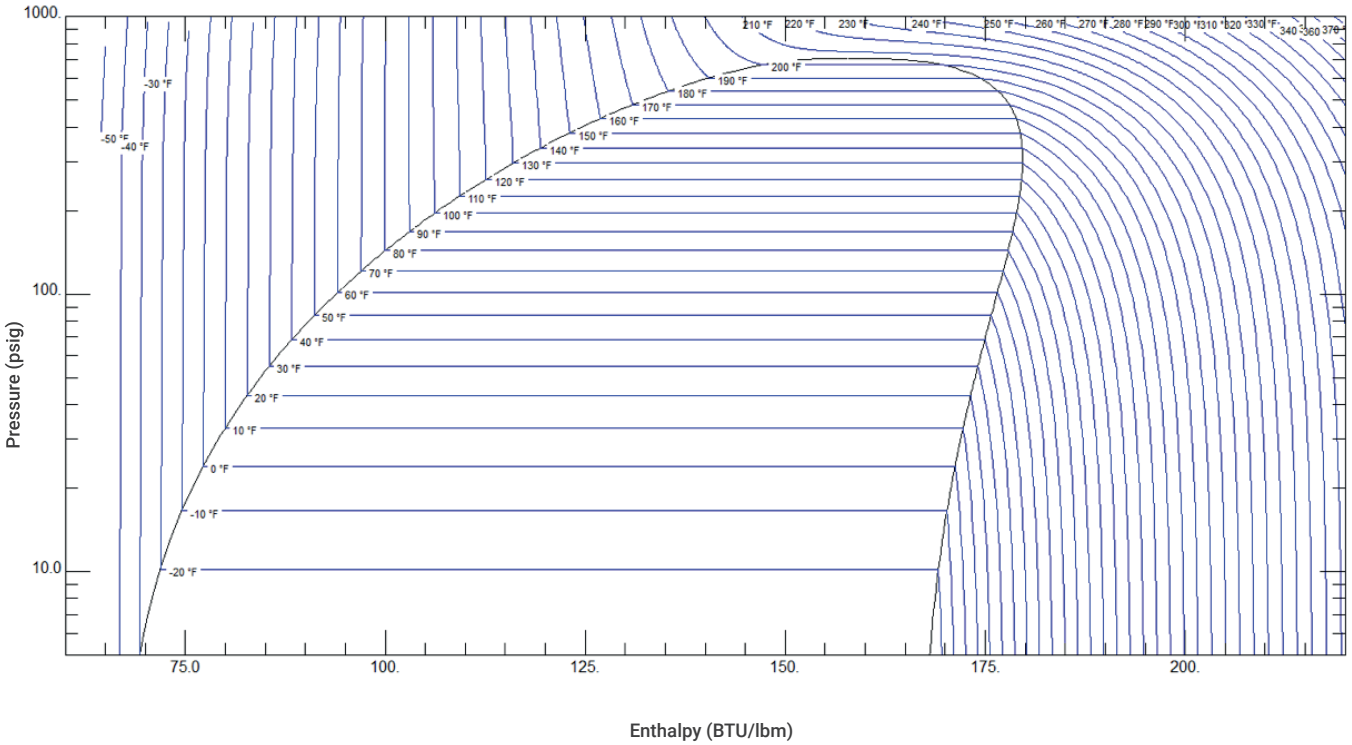


Regulatory Standards:

SUMMIT REFRIGERANTS is committed to the continuous improvement of our Quality Control, Environmental impact, and Major Accident Prevention Systems, as well as maintaining full regulatory compliance, and close collaboration with our product and service providers.

Summit Refrigerants is an EPA certified refrigerant reclaimer that provides the US HVACR industry with a broad range of fluorinated refrigerants to include CFCs, HCFCs, HFCs, and HFOs. All refrigerants offered by Summit Refrigerants meet the AHRI 700 standard for new and reclaimed refrigerants, and are packaged in D.O.T. certified cylinders.

Pressure diagram chart:



Thermodynamic properties chart:

Temperature (F)	Pressure (psig)	Liquid density (lbm/ft3)	Gas density (lbm/ft3)	Liquid enthalpy (Btu/lbm)	Gas enthalpy (Btu/lbm)
-50	-2,9929	88,829	0,23742	64,032	165,86
-45	-1,3065	88,328	0,2692	65,331	166,42
-40	0,56647	87,824	0,30421	66,634	166,98
-35	2,6399	87,316	0,34268	67,942	167,53
-30	4,9282	86,804	0,38485	69,254	168,08
-25	7,4463	86,287	0,43096	70,571	168,62
-20	10,209	85,765	0,48127	71,894	169,15
-15	13,233	85,238	0,53603	73,222	169,68
-10	16,534	84,707	0,59553	74,557	170,2
-5	20,128	84,169	0,66005	75,897	170,72
0	24,032	83,627	0,72989	77,244	171,22
5	28,264	83,078	0,80538	78,598	171,72
10	32,84	82,523	0,88683	79,959	172,21
15	37,779	81,962	0,9746	81,328	172,69
20	43,099	81,394	1,069	82,704	173,17
25	48,818	80,82	1,1706	84,089	173,63
30	54,955	80,237	1,2795	85,482	174,08
35	61,529	79,648	1,3964	86,884	174,52
40	68,559	79,05	1,5216	88,296	174,95
45	76,065	78,443	1,6557	89,717	175,36
50	84,067	77,828	1,7991	91,148	175,77
55	92,584	77,204	1,9525	92,59	176,15
60	101,64	76,569	2,1164	94,043	176,53
65	111,25	75,924	2,2914	95,508	176,89
70	121,44	75,268	2,4783	96,984	177,23
75	132,22	74,601	2,6778	98,473	177,56
80	143,63	73,92	2,8908	99,976	177,87
85	155,68	73,227	3,1181	101,49	178,16
90	168,4	72,519	3,3608	103,02	178,43
95	181,8	71,796	3,6201	104,57	178,68
100	195,91	71,057	3,897	106,14	178,91
105	210,76	70,299	4,1931	107,72	179,11
110	226,37	69,522	4,5099	109,32	179,29
115	242,75	68,724	4,8491	110,94	179,43
120	259,95	67,902	5,2129	112,59	179,55
125	277,99	67,054	5,6035	114,25	179,63
130	296,88	66,178	6,0238	115,95	179,67
135	316,67	65,269	6,4768	117,67	179,68
140	337,38	64,325	6,9664	119,43	179,63
145	359,04	63,339	7,4972	121,22	179,54
150	381,68	62,307	8,0747	123,06	179,39

Pricing, Availability, Technical Support:

Please email us at the following to request pricing and availability or technical support.

info@summitrefrigerants.com