

Refrigerant Gas Chart

Gas Type	Chemical Symbol	Safety Classification	RCL Values	Vapor Density (Air = 1)	LEL%	UEL%	Risks
R22	CHClF ₂	A1	13 lbs.	3	NA	NA	Asphyxiants
R-32	CH ₂ F ₂	A2L	4.8 lbs.	3.82	14.4	31	Asphyxiants/Flammable
R-125	C ₂ HF ₅	A1	23 lbs.	4.2	NA	NA	Asphyxiants
R-134a	CH ₂ FCF ₃	A1	13 lbs.	3.5	NA	NA	Asphyxiants
R-143a	C ₂ H ₃ F ₃	A2L	4.4 lbs.	2.9	7.1	16.1	Asphyxiants/Flammable
R-227ea	C ₃ HF ₇	A1	36 lbs.	5.9	NA	NA	Asphyxiants
R-290	C ₃ H ₈	A3	0.59 lbs.	1.56	2.1	9.5	Flammable
R-404A	(R-125/R-143a/R-134a) 44/52/4%	A1	31 lbs.	3.34	NA	NA	Asphyxiants
R-407A	(R-32/R125/R134a) 20/40/40%	A1	19 lbs.	2.54	NA	NA	Asphyxiants
R-407C	(R-32/R-125/R-134a) 23/25/52%	A1	18 lbs.	3	NA	NA	Asphyxiants
R-407F	(R-32/R125/R124a) 30/30/40%	A1	20 lbs.	2.54	NA	NA	Asphyxiants
R-410A	(R-32/R-125) 50/50%	A1	26 lbs.	3	NA	NA	Asphyxiants
R-417A	(R-125/R-134a/R-600) 46.6/50/3.4%	A1	3.5 lbs.	3.8	NA	NA	Asphyxiants
R-422D	(R-125/R-134a/R-600) 65.1/31.5/3.4%	A1	16 lbs.	3	NA	NA	Asphyxiants
R-448A	(R-32/R-125/R-134a/R1234yf/R-1234ze) 26/26/21/20/7%	A1	22 lbs.	2.98	NA	NA	Asphyxiants
R-449A	(R32/R125/R1234yf/R134a) 24.3/24.7/25.3/25.7%	A1	23 lbs.	3.07	NA	NA	Asphyxiants
R-450A	(R-134a/R1234ze) 42/58%	A1	20 lbs.	NA	NA	NA	Asphyxiants
R-452B	(HFC-32/C3H2F4) 30-50/50-70%	A2L	4.8 lbs.	NA	11.9	23.3	Asphyxiants/Flammable
R-454A	(HFC-32/R-1234yf) 35/65%	A2L	4.4 lbs.	2.83	6.3	15	Asphyxiants/Flammable
R-454B	(HFC-32/R-1234yf) 68.9/31.1%	A2L	4.6 lbs.	2.2	7.7	22	Asphyxiants/Flammable
R-454C	(HFC-32/R-1234yf) 21.5/78.5%	A2L	4.6 lbs.	3.1	6.2	15	Asphyxiants/Flammable
R-455A	(CO2/R32/R-1234yf) 3/21.5/75.5%	A2L	6.8 lbs.	NA	11.8	12.9	Asphyxiants/Flammable
R-507	(R-125/R-143a) 50/50%	A1	32 lbs.	NA	NA	NA	Asphyxiants
R-513A	(R-134a/R-1234yf) 30-50/50-70%	A1	20 lbs.	NA	NA	NA	Asphyxiants
R-600	C ₄ H ₁₀	A3	0.15 lbs.	2.0	1.8	8.4	Flammable
R-717	NH ₃	B2L	0.014 lbs.	0.6	15	28	Toxic/Flammable
R-744	CO ₂	A1	4.5 lbs.	1.52	NA	NA	Asphyxiants/Toxic
R-1234yf	C ₃ H ₂ F ₄	A2L	4.5 lbs.	4	6.2	12.3	Asphyxiants/Flammable
R-1233zd	C ₃ H ₂ ClF ₃	A1	5.3 lbs.	NA	NA	NA	Asphyxiants
R-1234ze	C ₃ F ₄ H ₂	A2L	4.7 lbs.	4	6.5	15	Asphyxiants/Flammable
Color - Colorless	Smell - Faint Ethereal Odor	Sensor Type - NDIR	% in Atmosphere - NA	Mounting Height - ~12" Above Floor			