

List of HCFC Refrigerants

The table below details a wide list of HCFC refrigerants that are subject to regulations driven by the Montreal Protocol. Linde does not sell all of the products detailed below.

This information is provided free of charge and is based on the technical data provided by regulatory authorities and Linde's suppliers that it believed to be reliable at the time it was provided. **This list is non exhaustive, and Linde does not provide any warranty over the accuracy.** For technical support please refer to your local [Linde subsidiary](#).

HCFC Number / R-Number	Chemical Name / Blend composition	Chemical Formula
21	dichlorofluoromethane	CHCl ₂ F
22	chlorodifluoromethane	CHClF ₂
30	dichloromethane (methylene chloride)	CH ₂ Cl ₂
31	chlorofluoromethane	CH ₂ ClF
121	Tetrachlorofluoroethane	C ₂ HFC ₄
122	Trichlorodifluoroethane	C ₂ HF ₂ Cl ₃
123	2,2-dichloro-1,1,1-trifluoroethane	CHCl ₂ CF ₃
124	2-chloro-1,1,1,2-tetrafluoroethane	CHClFCF ₃
131	Trichlorofluoroethane	C ₂ H ₂ FC ₃
132	Dichlorodifluoroethane	C ₂ H ₂ F ₂ Cl ₂
133	Chlorotrifluoroethane	C ₂ H ₂ F ₃ Cl
141	Dichlorofluoroethane	C ₂ H ₃ FC ₂
141B	1,1-dichloro-1-fluoroethane	CH ₃ CCl ₂ F
142	Chlorodifluoroethane	C ₂ H ₃ F ₂ Cl
142b	1-chloro-1,1-difluoroethane	CH ₃ CCIF ₂
151	Chlorofluoroethane	C ₂ H ₄ FC ₂
221*	Hexachlorofluoropropane	C ₃ HFCl ₆
222*	Pentachlorodifluoropropane	C ₃ HF ₂ Cl ₅
223*	Tetrachlorotrifluoropropane	C ₃ HF ₃ Cl ₄
224*	Trichlorotetrafluoropropane	C ₃ HF ₄ Cl ₃
225*	Dichloropentafluoropropane	C ₃ HF ₅ Cl ₂
225ca*	Dichloropentafluoropropane	CF ₃ CF ₂ CHCl ₂
225cb*	Dichloropentafluoropropane	CF ₂ ClCF ₂ CHClF
226*	Monochlorohexafluoropropane	C ₃ HF ₆ Cl
231	Pentachlorofluoropropane	C ₃ H ₂ FC ₅
232	Tetrachlorodifluoropropane	C ₃ H ₂ F ₂ Cl ₄
233	Trichlorotrifluoropropane	C ₃ H ₂ F ₃ Cl ₃
234	Dichlorotetrafluoropropane	C ₃ H ₂ F ₄ Cl ₂
235	Monochloropentafluoropropane	C ₃ H ₂ F ₅ Cl
241	Tetrachlorofluoropropane	C ₃ H ₃ FC ₄
242	Trichlorodifluoropropane	C ₃ H ₃ F ₂ Cl ₃
243	Dichlorotrifluoropropane	C ₃ H ₃ F ₃ Cl ₂
244	Monochlorotetrafluoropropane	C ₃ H ₃ F ₄ Cl
251	Monochlorotetrafluoropropane	C ₃ H ₄ FC ₄
252	Dichlorodifluoropropane	C ₃ H ₄ F ₂ Cl ₂
253	Monochlorotrifluoropropane	C ₃ H ₄ F ₃ Cl
261	Dichlorofluoropropane	C ₃ H ₅ FC ₂

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262	Monochlorodifluoropropane	$C_3H_5F_2Cl$
271	Monochlorofluoropropane	C_3H_6FCl
401A	R-22/152a/124	53.0/13.0/34.0
401B	R-22/152a/124	61.0/11.0/28.0
401C	R-22/152a/124	33.0/15.0/52.0
402A	R-125/290/22	60.0/2.0/38.0
402B	R-125/290/22	38.0/2.0/60.0
403A	R-290/22/218	5.0/75.0/20.0
403B	R-290/22/218	5.0/56.0/39.0
405A	R-22/152a/142b/C318	45.0/7.0/5.5/42.5
406A	R-22/600a/142b	55.0/4.0/41.0
408A	R-125/143a/22	7.0/46.0/47.0
409A	R-22/124/142b	60.0/25.0/15.0
409B	R-22/124/142b	65.0/25.0/10.0
411A	R-1270/22/152a)	1.5/87.5/11.0
411B	R-1270/22/152a	3.0/94.0/3.0
412A	R-22/218/143b	70.0/5.0/25.0
414A	R-22/124/600a/142b	51.0/28.5/4.0/16.5
414B	R-22/124/600a/142b	50.0/39.0/1.5/9.5
415A	R-22/152a	82.0/18.0
415B	R-22/152a	25.0/75.0
416A	R-134a/124/600	59.0/39.5/1.5
418A	R-290/22/152a	1.5/96.0/2.5
420A	R-134a/142b	88.0/12.0
509A	R-22/218	44.0/56.0