

Halogenates Fluorocarbons / HFCs

Partially halogenated fluorocarbons (HFCs) have no ozone depletion potential (ODP = 0) and lower direct global warming potential (GWP = 122-14,310) than PFCs, as well as a shorter life cycle (1.4-270 years). The European F-Gas Directive and the Kyoto Protocol seek to radically reduce the use of HFCs.

Examples: R 23, R 125, R 134 a, R 152 a, R 404 A, R 407 C, R 410 A, R 507 A

Characteristics:

ODP	0
GWP	3,260
Molecular weight	97.61 g/mol
Boiling point (1.013 bar)	-46.7 °C
Critical temperature	73.0 °C
Critical pressure	37.3 bar
Critical density	485.0 kg/m ³
Vapor pressure at 25 °C	12.80 bar