



Factsheet

HFO-1234yf: The Better Choice

	HFO-1234yf	CO₂ (R744)
Environmental Impact	Lower lifetime GHG emissions than HFC-134a or CO ₂	20% more lifetime greenhouse gas emissions than HFO-1234yf
Atmospheric Lifetime	11 days	>500 years
Compatibility with Current A/C Equipment	Yes, it is a near drop-in solution	No; new high-pressure system required
Cooling Efficiency	Comparable to HFC-134a in all climates	Less efficient in hot climates where A/C is needed and used most
Ease of Adoption	High; it is a near drop-in solution	Low; significant engineering and re-tooling required
Safety	Safe for use in automotive air conditioning applications	Safe for use in automotive air conditioning applications

