



**Climalife** are a key player in the **distribution of refrigerants** and other climate control products with a nationwide distribution network and **product knowledge** that is second to none.

### R-1234yf Stockists:

Contact **Climalife** on **0117 980 2520** for orders and more information. Also available from the **Parts Alliance Group** and **Andrew Page**.



### Packaging

R-1234yf is available from Climalife in 5kg or 11kg cylinders. Please consult Safety Data Sheet before use. 100% genuine and conforms to AHRI-700-2016 specifications.

**climalife**<sup>®</sup>  
IDS Refrigeration Limited

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(1) ACEA (European Automobile Manufacturers Association) Product Guide 2016/2017. \*GWP values based on IPCC 5th Assessment. Picture credits: Climalife, Shutterstock



# R-1234yf

## The new refrigerant for car air conditioning



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## Air conditioning changes in the automotive sector

In 2011, the European MAC (Mobile Air Conditioning) Directive **prohibited the use of refrigerants** in car air conditioning systems **with a GWP (Global Warming Potential) of 150 or more** in new vehicle types.

The directive aims to reduce the emission of greenhouse gases from automotive air conditioning, reducing impact on climate change.

This ruling applied to all **new vehicles sold after 1 January 2017** with production lines now adapted to use R-1234yf refrigerant.

## R-1234yf product information

R-1234yf is a non-ozone depleting HydroFluoroOlefin (HFO) refrigerant with a very low Global Warming Potential.

**R-1234yf** has replaced R-134a in new cars. Approximately 11 million cars in Europe are already using the new refrigerant<sup>(1)</sup> and that number will grow significantly.



**R-134a** will continue to have a place in the market to service those vehicles with R-134a, but with a GWP of 1300\* it cannot be used in new vehicles or those that are charged with R-1234yf.

# Safe to use

**R-1234yf has undergone rigorous testing by third parties and car manufacturers, and is verified as safe to use.**



## Benefits of R-1234yf

- ✓ R-1234yf has a GWP of less than 1\* (99.9% lower GWP than R-134a)
- ✓ Vehicles using R-1234yf are expected to use less fuel and produce 20-30% less CO<sub>2</sub> resulting in a significantly decreased carbon footprint
- ✓ It has an atmospheric life of 11 days compared to R-134a's 13-year lifespan
- ✓ R-1234yf compares in efficiency to R-134a and has the same cooling capacity

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