

# HFO Refrigerants

Building a Sustainable Future

Available from

**METRACLARK**

Refrigeration & Air-Conditioning Wholesale

Excellence Through Experience

The new collective of refrigerants referred to as HFOs (hydrofluoroolefins) are solutions that will play a key role in protecting the planet.

With zero ozone-depleting properties and lower global warming properties, HFOs serve as sustainable replacements for legacy refrigerants such as CFCs and HCFCs.

**Contact us today**

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GAUTENG 011 392 4791 [agas.com/sa](http://agas.com/sa)

**A-GAS**<sup>®</sup>  
TOGETHER WE CAN



## R1234yf

- ✓ Used as a replacement for R134a in automotive air conditioning applications.
- ✓ Ultra-low GWP of 1
- ✓ Mildly flammable and non-toxic with ASHRAE safety classification of A2L
- ✓ More energy efficient than competing technologies and reduces the overall carbon footprint



## R1234ze

- ✓ Used as a replacement for R134a in one-component foam applications
- ✓ Ultra-low GWP of 7
- ✓ Non-flammable under ADR, however is classified as A2L under ASHRAE classification
- ✓ Refrigerant can be charged from either the liquid or vapour phase



## R1233zd(E)

- ✓ Used as a replacement for R123 in centrifugal chiller requirement.
- ✓ Can alternatively be used for foam blowing applications
- ✓ Ultra-low GWP of 4
- ✓ Non-flammable with ASHRAE safety classification of A1

