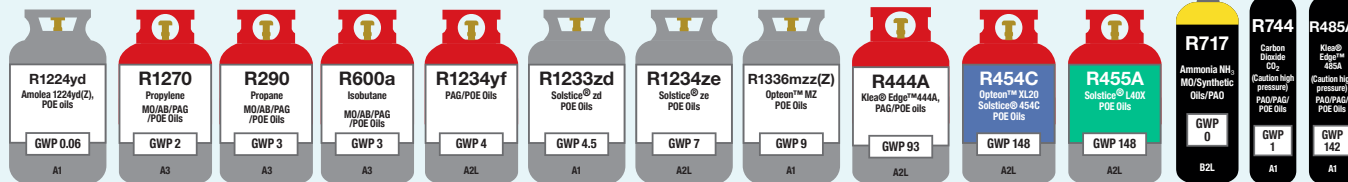
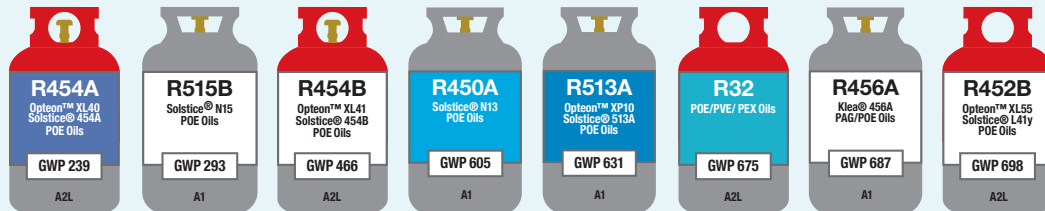


Since 01/01/2022 new hermetically sealed systems & multi-compressor centralised systems with 40kW or greater cooling capacity, selling products to end users in retail and food service applications must use refrigerants <150 GWP

VERY LOW  
GWP below 150



LOW  
GWP between 150-750



Systems may only be retrofitted to Low or Very Low GWP refrigerants if compliance with the Pressure Equipment Safety Regulation is maintained. It is strongly recommended that new systems are designed and certified to use an A2L refrigerant as retrofitting from an A1 safety class to an A2L safety class refrigerant may be very challenging.

## Technical Expertise You Can Rely On

For complex challenges, our specialists offer detailed analysis and reporting to help you make informed decisions, including:

- Theoretical cycle analysis for system efficiency
- Refrigerant performance comparisons to identify the best options
- Pressure drop calculations for straight tube equivalents
- EN 378-1:2016 charge size calculations with risk mitigation advice
- Flammable zone assessments in line with EN 60079-10-1
- PE(S)R (PED) compliance calculations
- Comprehensive property and technical data



Scan to view our  
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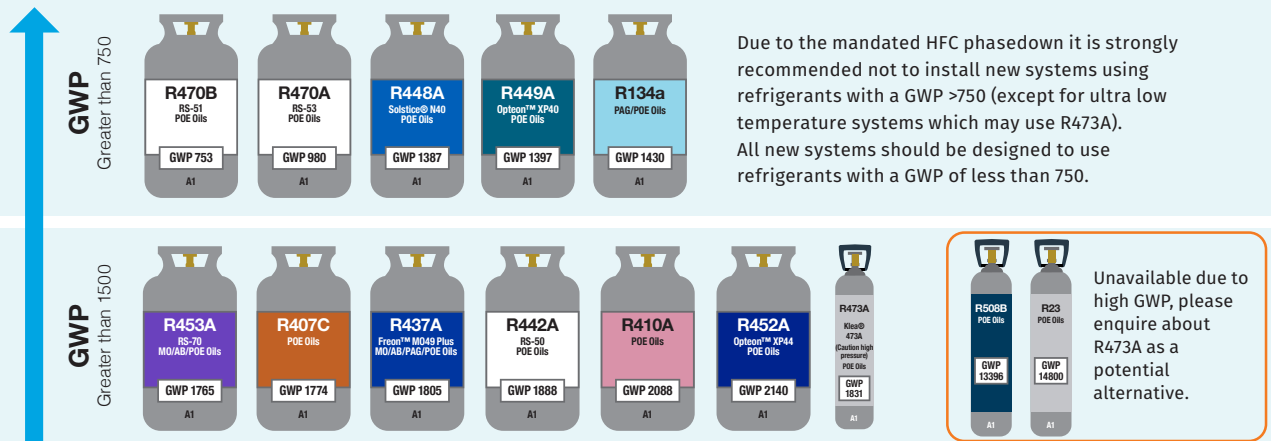
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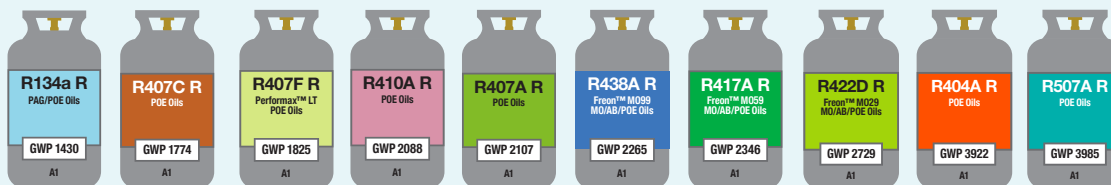
**IDS Refrigeration Ltd, 22 Apex Court, Woodlands, Bradley Stoke, Bristol, BS32 4JT. 0117 980 2520.**

Please note: These refrigerants should only be handled by qualified personnel who comply with current legislation. There are other refrigerants not listed that have ASHRAE numbers but may not be readily or commercially available. This information is intended only as a guide, please contact Climalife for more specific product information. GWP values are those stated according to the 4th IPCC assessment and the retained legislation EU 517/2014. When calculating CO2 Tonnes eq for compliance with GB F-Gas Regulation, only use AR4 values.



## RECLAIM REFRIGERANTS

Virgin product with GWP ≥2500 has been banned in stationary refrigeration applications ≥40 CO<sub>2</sub> T eq since 01/01/2020. (R-508B and R-23 are exempt from ban if used below -50°C.) The use of reclaimed refrigerants with GWP ≥ 2500 is allowed until 31/12/2029. All reclaim refrigerants are subject to product availability.



## Other Products & Services

Nitrogen

Cleaning

Lubricants

Electronic Controls

Heat Transfer Fluids

Reclamation & Disposal Services

System Evaluation

Trace Gas

IDS Refrigeration Ltd, 22 Apex Court, Woodlands, Bradley Stoke, Bristol, BS32 4JT. 0117 980 2520.

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