



R454C refrigerant (Opteon™ XL20). Low GWP and high energy efficiency.



Introduction

R454C (Opteon® XL20) is a non-ODP, low GWP (148) refrigerant with properties that make it suitable as a replacement for R404A in new equipment. It has a safety classification of A2L, which means that it is mildly flammable and has a much better safety profile than A3 highly flammable industrial gases, such as Propane (R290). Close match to R22 based technologies.

Specifics/facts

R454C (Opteon® XL20) is a HFO blend (R32/R1234YF). This is a close match to R22 based technology, but is also a valid solution for R404A equipment. With a GWP 148, it falls under the important maximum value of 150 in the F-Gas regulation and Ecodesign. Could be adopted with EN 378 with higher charge size compared with Hydrocarbons.

Product specification

Cylinder size	Content in kg	Item number
12	10	119028
61	46	119027

Advantages

- Cylinder valve DIN 1-LH
- A long-term solution
- Low GWP (under 150, 96% reduction versus R404A)
- Close performance match to R404A, slightly reduced capacity, improved efficiency
- Easily convertible from R404A and R22 design with minimal changes
- Can be topped off after leaks
- Non-toxic and mildly flammable
- Allows >1.7 kg minimum filling charge under new Codes & Standards
- Miscible with POE lubricants