



R452A refrigerant (Opteon™ XP44). The next generation HFO-based refrigerant.



Introduction

R452A (Opteon® XP44) is a non-flammable, next-generation HFO-based refrigerant blend with a close performance match to R404A, including a similar low discharge temperature. This makes it ideal for both new and retrofit transport refrigeration applications in place of R404A.

R452A is suitable in new equipment, as well as for retrofit of existing systems used as low-/medium temperature refrigerant in trucks, vans and containers, R452A offers comparable energy efficiency with improved environmental properties, but without increased compressor discharge temperatures. It is suitable as a retrofit replacement for R404A and R507 systems. R452A has a GWP on 2141 which is a 45% reduction compared to 404A with a GWP on 3922.

Specifics/facts

HFO blend of R1234YF/R125/R32. Low GWP (2141) replacing R404A and R507 in low medium temperature refrigeration. For new equipment and as retrofit of existing systems.

Product specification

Cylinder size	Content in kg	Item number
12	11	117943
61	54	118423
900 drums	790	121497

Advantages

- Cylinder valve DIN 6-RH
- Non-ozone depleting
- Low GWP
- Energy efficiency vs. R404A and R507A
- Safe and non-flammable
- Miscible with POE lubricants
- Can be topped off after leaks
- No increase in compressor discharge temperature compared to R404A
- Comparable energy efficiency vs. R404A/R507

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