



R404A. Used in low and medium temperature refrigeration applications.



Introduction

R404A is a HFC blend that is widely used in low and medium temperature refrigeration applications, such as those used in commercial refrigeration. Whilst it has become the widely accepted alternative to CFC R502, R404A is coming under greater scrutiny due to its high Global Warming Potential. Well known for use in supermarket and transport refrigeration units. Suitable replacement can be R407F, R407H, R448A, R449A and R452A. R404A also available as Regenerated version R404A.

Specifics/facts

Although it is a popular refrigerant, with a GWP above 2500, the use of R404A is now prohibited in new equipment and restricted in pre-existing equipment. Reclaimed R404A is still permitted until 2030 for servicing equipment already running on R404A and is an option for those with systems above 40T CO₂ equivalent (approximately 10kgs of R404A). GWP (AR4) 3922.

Product specification

Cylinder size in litres	Content in kg	Item number
12	10	110833
61	49	110834
12	10	120467 (Reg. version)
61	49	120468 (Reg. version)
900	725	On request

Advantages

- Virgin R404A GWP (AR 4) 3922, A1 classification and non-ODP
- Substitute for R502, with comparable physical and thermodynamic properties
- Near azeotropic refrigerant blend containing R125, R143a and R134a
- With a GWP above 2500, virgin R404A can no longer be used in new equipment or to service existing equipment where the charge size is greater than 40T CO₂ equivalent (approximately 10kgs of R404A)
- The use of Reclaimed R404A is allowable until 2030 to service existing equipment