



REFRIGERANT GASES & PIPING

Mafron R-407C

BRAND

Mafron

SKU

RC_PROD_031

CATEGORY

Refrigerant Gases & Piping



OVERVIEW

Mafron R-407C is a zeotropic HFC blend of R-32 (23%), R-125 (25%), and R-134a (52%), engineered to match R-22 operating pressures closely — making it the established retrofit path for existing R-22 air conditioning and refrigeration equipment where full replacement isn't economical. Zero ODP, non-flammable, ASHRAE Class A1. The engineering caveat that separates a professional supplier from a cylinder shop: R-407C is a **zeotropic blend with real temperature glide (~5 K)**. It must be charged as liquid, fractionates on leakage (top-up practice matters), and requires a POE oil changeout when retrofitting from mineral-oil R-22 systems. Every Mafron R-407C quotation from Refrigeration Controls comes with retrofit guidance and matched POE oils from our range.

KEY FEATURES

ASHRAE Safety Class A1
zero ODP

Closest HFC match to R-22
retrofit without changing the compressor class

AHRI 700 guaranteed purity
certified purity sheets directly from Navin Fluorine (NFIL)

Blend of proven components
R-32 / R-125 / R-134a (23/25/52 wt%)

SPECIFICATIONS

PARAMETER	VALUE
ASHRAE DESIGNATION	R-407C
COMPOSITION (WT%)	R-32 / R-125 / R-134a — 23 / 25 / 52 (± component tolerances per AHRI 700)
GUARANTEED PURITY	≥ 99.5% by weight (blend total)