



REFRIGERANT GASES & PIPING

Mafron R-404A

BRAND

Mafron

SKU

RC_PROD_033

CATEGORY

Refrigerant Gases & Piping



OVERVIEW

Mafron R-404A is the HFC blend of R-125 (44%), R-143a (52%), and R-134a (4%) that became the global workhorse of low- and medium-temperature commercial refrigeration — supermarket racks, cold storage, freezer rooms, ice machines, and refrigerated transport. Near-azeotropic behaviour (glide ~0.7 K) keeps service practice straightforward, and Class A1 classification keeps it non-flammable and low-toxicity across the cold chain. Per NFIL's own positioning, R-404A serves supermarkets, refrigerated vans, cold storages, and commercial refrigeration — exactly Refrigeration Controls' core customer base. The honest caveat: at GWP 3922 it is the highest-GWP mainstream refrigerant, first in line under HFC phase-down economics. We supply genuine gas for the installed base while advising operators on leak-tightness (the cheapest compliance strategy) and transition planning.

KEY FEATURES

ASHRAE Safety Class A1
zero ODP; near-azeotropic (~0.7 K glide)

Installed-base standard
for low/medium-temp commercial refrigeration

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

Excellent low-temperature capacity
for -45 to -15 °C evaporating duty

SPECIFICATIONS

PARAMETER	VALUE
ASHRAE DESIGNATION	R-404A
COMPOSITION (WT%)	R-125 / R-143a / R-134a — 44 / 52 / 4 (± tolerances per AHRI 700)
GUARANTEED PURITY	≥ 99.5% by weight (blend total)