



REFRIGERANT GASES & PIPING

Mafron R-134a

BRAND

Mafron

SKU

RC_PROD_034

CATEGORY

Refrigerant Gases & Piping



OVERVIEW

Mafron R-134a is a single-component HFC refrigerant (1,1,1,2-tetrafluoroethane) — the global workhorse for medium- and high-temperature cooling and the proven replacement for R-12. Colourless, non-flammable, and low in toxicity, it carries ASHRAE safety classification A1 (lowest toxicity, no flame propagation) with zero ozone depletion potential. The Mafron® brand belongs to Navin Fluorine International Ltd. (NFIL), the company that introduced refrigerant manufacturing to India in 1967 at Surat, Gujarat. NFIL is backward-integrated into hydrofluoric and sulfuric acid — the critical precursors — giving Mafron gases consistent, domestically manufactured quality with OEM approvals. For buyers burned by grey-market refrigerant of uncertain origin, that pedigree is the point: every Mafron cylinder supplied by Refrigeration Controls is genuine, traceable, and meets the guaranteed specification below.

KEY FEATURES

ASHRAE Safety Class A1

non-flammable, lowest toxicity classification

Zero ODP

stable, well-characterized thermodynamics

AHRI 700 guaranteed purity

specification (see matrix)

Manufactured in India by NFIL

OEM-approved, backward-integrated production

SPECIFICATIONS

PARAMETER	VALUE
ASHRAE DESIGNATION	R-134a
CHEMICAL NAME / FORMULA	1,1,1,2-Tetrafluoroethane / $\text{CH}_2\text{F}-\text{CF}_3$
GUARANTEED PURITY	$\geq 99.5\%$ by weight