

NATIONAL R456A

National R456A is a new lower GWP (global warming potential) alternative to R134a in automotive aftermarket.

National R456A has almost the same capacity and efficiency vs R134a while having only half the GWP. With over a 30% quota reduction (vs 2023) from January 1st 2024 — R134a will have reduced availability and become much more expensive.



National R456A could be the solution to this problem. With a GWP of 626 vs 1,300 (R134a) manufacturer's can make more than twice the amount of refrigerant using the same quota. Fully compatible with existing R134a systems and equipment with no seal replacement or oil change required.

	R134a	R456A
Composition	R134a	R32 6% R134a 45% R1234ze(E) 49%
Capacity %	100	101.2
GWP (AR5)	1,300	626
COP (%)	100	99.6
Ashrae class	A1	A1
Glide (K)	0.0	2.7



**NATIONAL
REFRIGERANTS**

Our Solutions



R1234yf is a very low GWP (global warming potential) refrigerant mandatory in cars manufactured from 2017 onwards and as early as 2011.



R134a used in older cars manufactured circa 1996—2017. Has a relatively high GWP and is not long term sustainable.



R456A is a new lower GWP alternative to R134a and is more environmentally friendly as well as being more sustainable than R134a.

NATIONAL REFRIGERANTS

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