

R-404A

HFC Replacement for R-22

R-404A is a retrofit solution to R-22 and R-502 in low- and medium-temperature refrigeration equipment.

R-404A has similar capacity and efficiency to R-22 and R-502.

R-404A has no negative impact to the ozone layer.

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Key features

Formulation	52% R-143a 44% R-125 4% R-134a
Classification	HFC
Available Sizes	24lb, 100lb
Valve	Pressure-relief valve 1/4" RH thread
Oil Type	POE
Application	Commercial Refrigeration Refrigerated Transport
GWP	3,922
ODP	0
Operating Pressure	169.0 psia at 72°F (liquid) 167.1 psia at 72°F (vapor)
Flammability	A1 (non-toxic, non-flammable)
Certification Requirement	608 Certification

Previous and next generation of R-404A

Type	Generation	Refrigerants
Retrofit Refrigerants that can fill systems of previous generation refrigerants	Previous generation Gas with higher GWP or ODP	▪ Commercial Refrigeration – R-22: GWP 1,810 – R-402A: GWP 2,788 – R-402B: GWP 2,416 – R-408A: GWP 3,152 – R-502: GWP 4,657 ▪ Refrigerated Transport – R-22: GWP 1,810 – R-502: GWP 4,657
	Next generation Gas with lower GWP or ODP	▪ Commercial Refrigeration – R-407A: GWP 2,107 – R-407F: GWP 1,825 – R-407H: GWP 1,495 – R-448A: GWP 1,386 – R-449A: GWP 1,396 – R-452A: GWP 2,140 – R-454A: GWP 237 – R-454C: GWP 146 – R-455A: GWP 146 ▪ Refrigerated Transport – R-407F: GWP 1,825 – R-448A: GWP 1,386 – R-449A: GWP 1,396 – R-452A: GWP 2,140
Non-Retrofit Refrigerants that cannot fill systems of previous generation refrigerants	Previous generation Gas with higher GWP or ODP	N/A
	Next generation Gas with lower GWP or ODP	▪ Commercial Refrigeration – R-744: GWP 1 ▪ Refrigerated Transport – R-744: GWP 1

Please check system instruction before servicing / repairing. Do not mix refrigerants.

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