SOLSTICE® 513A (R-513A)

THE SMARTER PATH IN REFRIGERANTS FOR COMMERCIAL REFRIGERATION

Solstice® 513A, (R-513A), is a non-ozone-depleting, lower-impact HFO-based refrigerant engineered as an alternative to R-134a in approved new and retrofit applications.

If you are evaluating R-134a replacement options, Solstice 513A offers a practical balance of performance, compatibility, safety, and service familiarity. Its close capacity and energy efficiency match to R-134a helps support system planning without making the refrigerant change feel like a major operational disruption.

Solstice 513A is classified as an A1 nonflammable refrigerant, has zero temperature glide, and is compatible with existing R-134a equipment designs and lubricants. Compared with R-134a, Solstice 513A provides a 56% reduction in global warming potential (GWP) while helping teams maintain focus on reliable operation and long-term refrigerant planning.



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CATEGORY	SOLSTICE® 513A
Performance Function	New equipment, retrofit, and approved replacement applications
Refrigerant Class	HFO-based blend
Refrigerant Type	Zeotropic blend
Global Warming Potential	631 (100-year GWP, IPCC AR4)
Ozone Depletion Potential	0
ASHRAE Safety Classification	A1 (nonflammable)
ASHRAE Number	R-513A
Alternative To	R-134a

WHY CHOOSE SOLSTICE 513A?

Solstice 513A helps teams transition from R-134a with a refrigerant option designed to maintain familiar performance, service expectations, and equipment planning requirements.

Its close match to R-134a capacity and energy efficiency makes it a practical option for approved chiller, HVAC/R, food retail, industrial refrigeration, and transport refrigeration applications. For Solstice sales teams, Solstice 513A creates a clear story around R-134a replacement, nonflammable handling, compatibility, reduced environmental impact, and reliable system operation.

APPLICATIONS



Medium temperature circuit of hybrid cascade systems



Medium temperature commercial & industrial DX refrigeration



Water chillers, air conditioning, and heat pumps



Ice rinks



New equipment / retrofit of existing system

BENEFITS

- **Replace R-134a with less disruption: S**olstice 513A offers a close capacity and energy efficiency match to R-134a, helping teams evaluate replacement options while maintaining familiar system expectations.
- **Support environmental planning goals:** Compared with R-134a, Solstice 513A provides a 56% reduction in global warming potential (GWP), giving sales teams a clear transition story for approved applications.
- **Maintain familiar service practices:** Its A1 nonflammable classification supports confidence for contractors, technicians, and facility teams working across approved HVAC/R and refrigeration systems.
- **Simplify system planning:** Solstice 513A has zero temperature glide, helping support straightforward application discussions for approved R-134a replacement and new equipment use.
- **Leverage existing system compatibility:** Compatibility with existing R-134a equipment designs and lubricants can help reduce transition complexity, preserve investments, and streamline refrigerant conversion planning.
- **Supports broad approved application fit:** Use across chillers, HVAC/R, food retail, industrial refrigeration, and refrigerated transport helps sales teams position one practical R-134a alternative across multiple system types.

PACKAGE TYPE	PRODUCT PACKAGING SIZE	SKU
Jug	30 lb (13.6 kg)	10666780
Cylinder	110 lb (49.9 kg)	10662988
Half Ton	850 lb (385.6 kg)	10656361
Ton	1450 lb (657.7 kg)	10662989

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