

SOLSTICE® 454A (R-454A)

LOWER GWP PERFORMANCE FOR COMMERCIAL REFRIGERATION

Solstice® 454A helps refrigeration customers reduce environmental impact while supporting dependable performance in low- and medium-temperature applications. Designed as a lower GWP alternative to R-404A, it offers a practical option for food retail, cold storage, and commercial refrigeration systems.



HELP CUSTOMERS TRANSITION FROM R-404A WITH CONFIDENCE

For refrigeration operators evaluating lower GWP options, Solstice® 454A offers a strong balance of environmental performance and system capability. It is designed to help customers move away from higher-GWP refrigerants while maintaining the cooling performance needed for everyday commercial refrigeration operations.

Solstice® 454A demonstrates approximately 6% improved efficiency, 8% better capacity, and 94% lower GWP compared to R-404A, making it a practical solution for customers looking to reduce environmental impact without compromising refrigeration performance.

BUILT FOR FOOD RETAIL AND COMMERCIAL REFRIGERATION NEEDS

Solstice® 454A is suited for low- and medium-temperature refrigeration applications where reliability, temperature control, and long-term system performance matter. It can support customers across food retail, cold storage, retail food condensing units, and industrial refrigeration applications.

With its application fit and lower GWP profile, Solstice® 454A gives sales teams a clear option to position with customers planning refrigerant transitions or evaluating alternatives to R-404A.

APPLICATIONS



Low and medium temperature supermarket refrigeration systems



Retail food condensing units



Cold storage



Industrial process refrigeration, non-chiller



Industrial process refrigeration, chillers



Walk-in coolers and freezers



Food preparation rooms



Self-contained refrigeration system

WHY CHOOSE SOLSTICE 454A

- Helps reduce GWP compared to R-404A
- Supports low- and medium-temperature refrigeration applications
- Offers approximately 6% improved efficiency compared to R-404A
- Provides approximately 8% better capacity compared to R-404A
- Designed for food retail, cold storage, and commercial refrigeration needs
- Supports long-term refrigeration planning with lower environmental impact
- Compatible with POE lubricants
- Mildly flammable A2L refrigerant

PACKAGE TYPE	PRODUCT PACKAGING SIZE	SKU
[Cylinder]	-	-
[Drum]	-	-
[Bulk/ISO/Other packaging]	-	-



Solstice Advanced Materials Inc.
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