SOLSTICE® 449A (R-449A)

Solstice® 449A (R-449A) is a zeotropic HFO blend refrigerant designed as a replacement for R-404A, R-507, R-22, R-407 series, and interim blends in low- and medium-temperature commercial refrigeration. For contractors, distributors, service teams, and facility operators managing refrigeration upgrades, Solstice 449A offers a practical option for both retrofit projects and new installations.

It's a nontoxic nonflammable A1 classification, familiar service profile, and broad commercial refrigeration fit to help reduce hesitation around product selection, system conversion, and long-term planning.

Solstice 449A helps lower global warming potential (GWP) versus several legacy refrigerants while supporting dependable cooling performance across supermarkets, cold storage, food service condensing units, centralized rack systems, distributed systems, and self-contained equipment.



Solstice

CATEGORY	SOLSTICE® 449A
Performance Function	New systems / retrofit
Refrigerant Class	Zeotropic blend
Refrigerant Type	HFO blend
Global Warming Potential	1282, 5th IPCC / 1397, 4th IPCC
Ozone Depletion Potential	0
ASHRAE Safety Classification	A1, non toxic non-flammable
ASHRAE Number	R-449A

WHY CHOOSE SOLSTICE 449A?

Solstice 449A helps simplify the move away from older, higher GWP refrigerants by giving contractors, distributors, and facility teams a proven refrigerant option for both retrofit projects and new installations. Its broad commercial refrigeration fit makes it easier to standardize solutions across multiple system types and operating environments. Solstice 449A creates a clear story around retrofit readiness, system reliability, low GWP planning, and practical product availability.

APPLICATIONS



Low- and medium-temperature industrial direct expansion refrigeration

Direct expansion chillers

Food service condensing units

Cold storage

Supermarkets

Walk-in coolers, freezers, and food preparation rooms

Ice rink systems

Centralized rack systems

Distributed systems

Self-contained systems

BENEFITS

- **Support practical retrofit decisions:** Solstice 449A serves as a replacement option for R-404A, R-507, R-22, R-407 series, and interim blends, helping service teams evaluate retrofit paths with greater confidence.
- **Reduce complexity for contractors and facility teams:** Its familiar A1 nonflammable classification and compatibility with common commercial refrigeration environments help simplify system conversion and service conversations.
- **Help lower GWP across existing systems:** Solstice 449A offers a lower-GWP option compared with several legacy refrigerants, supporting refrigeration teams that need to balance system performance, compliance planning, and long-term equipment strategy.
- **Support dependable refrigeration performance:** Solstice 449A is designed for low- and medium-temperature refrigeration applications where stable operation, cooling capacity, and system reliability remain critical.
- **Standardize across multiple applications:** Broad use across supermarkets, cold storage, food service condensing units, rack systems, distributed systems, and self-contained equipment helps simplify product selection and inventory planning.

PACKAGE TYPE	PRODUCT PACKAGING SIZE	SKU
Jug	11.3 kg / 25 lb	10666781
Cylinder	45 kg / 100 lb	10666866

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