SOLSTICE® L40X (R-455A)

Solstice® L40X (R-455A) is a mildly flammable, zeotropic HFO blend refrigerant designed as an alternative for low, medium, and high temperature refrigeration applications in new systems.

If you're evaluating next-generation refrigeration equipment, Solstice L40X offers a below 150 global warming potential (GWP) option with strong application flexibility. Its close capacity match to R-404A, high energy efficiency, and extended operating envelope help support practical system planning across cold storage, food retail, commercial refrigeration, and selected industrial applications.

Solstice L40X is classified as an A2L mildly flammable refrigerant and is intended for equipment designed around A2L refrigerant requirements. It gives refrigeration teams a practical product story around lower-GWP planning, application fit, and reliable performance in temperature-sensitive environments.



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CATEGORY	SOLSTICE® L40X
Performance Function	New equipment / approved applications
Refrigerant Class	HFO blend
Refrigerant Type	Zeotropic blend
Global Warming Potential	146, 5th IPCC
Ozone Depletion Potential	~0
ASHRAE Safety Classification	A2L, mildly flammable
ASHRAE Number	R-455A
Alternative To	R-404A

WHY CHOOSE SOLSTICE L40X?

Solstice L40X helps refrigeration teams move toward below-150 GWP system planning while maintaining a practical focus on application fit, efficiency, and equipment readiness.

Its fit across cold storage, food retail, commercial refrigeration, chillers, ice machines, refrigerated transport, and selected data center cooling applications gives contractors, distributors, OEMs, and facility teams a flexible option for new equipment planning. Compared with more complex system alternatives, Solstice L40X can also support conversations around practical installation, maintenance, and project execution needs.

APPLICATIONS


Cold storage


Commercial ice machines


Supermarket systems


Industrial process refrigeration


Ice rink systems


Refrigerated transport

BENEFITS

- **Offer a below-150 GWP refrigeration option:** Solstice L40X gives refrigeration teams a practical option for new systems where lower-GWP planning and application readiness are key decision factors.
- **Support strong application flexibility:** Its fit across cold storage, food retail, commercial refrigeration, chillers, ice machines, transport refrigeration, and selected data center applications helps simplify product positioning across multiple use cases.
- **Maintain performance confidence:** Solstice L40X offers a close capacity match to R-404A, high energy efficiency, and an extended operating envelope to support reliable refrigeration performance.
- **Advance A2L equipment readiness:** As an A2L mildly flammable refrigerant, Solstice L40X helps contractors, distributors, OEMs, and facility teams plan for equipment designed around A2L requirements without making safety classification the entire story.
- **Support practical project execution:** Compared with certain CO_2-based systems, Solstice L40X may help support a more familiar installation and maintenance path, helping teams evaluate lower-GWP options with project complexity in mind.

PACKAGE TYPE	PRODUCT PACKAGING SIZE	SKU
Jug	25 lb / 11.3 kg	10671425
Cylinder	100 lb / 45.4 kg	10660914

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