

SOLSTICE® ze (R-1234ze)

Solstice® ze (R-1234ze) is an energy-efficient, ultra-low GWP HFO refrigerant designed as an alternative to R-134a in approved air-cooled and water-cooled chiller, HVAC, heat pump, and refrigeration equipment platforms.

For customers evaluating long-life equipment investments, Solstice ze supports lower-impact system planning without losing focus on efficiency, application fit, and equipment performance. Its use across selected chiller, commercial building, supermarket, data center, heat pump, and medium temperature applications gives Solstice sales teams a clear story for approved systems where long-term refrigerant strategy matters.

With a GWP of less than 1, Solstice ze offers a 99.9% lower GWP than R-134a. It is classified as an A2L mildly flammable refrigerant and is intended for equipment designed around applicable A2L refrigerant requirements.



CATEGORY	SOLSTICE® ZE
Performance Function	New equipment / approved equipment platforms
Refrigerant Class	HFO
Refrigerant Type	Pure fluid
Global Warming Potential	Less than 1
Ozone Depletion Potential	0
ASHRAE Safety Classification	A2L, mildly flammable
ASHRAE Number	R-1234ze
Alternative To	R-134a

WHY CHOOSE SOLSTICE ZE?

Solstice ze is planned for approved equipment platforms where ultra-low GWP performance, energy efficiency, and long-term refrigerant strategy are key decision factors.

Its application fits across chillers, commercial buildings, supermarkets, data centers, heat pumps, and medium temperature refrigeration gives sales teams a stronger story for equipment platforms designed around next-generation refrigerant expectations. For long-life systems, Solstice ze supports conversations around sustainability goals, refrigerant planning, and future equipment investment.

APPLICATIONS



Buildings – Chillers –
Comfort Cooling
& Heating



Cold Storage



Data Centers



Food retail



Household
Refrigerators /
Freezers



Industrial
Process
Refrigeration

BENEFITS

- **Support ultra low GWP equipment planning:** Solstice ze provides a GWP of less than 1, giving equipment teams a refrigerant option for approved systems where long-term environmental performance is a priority.
- **Maintain focus on energy efficient performance:** Solstice ze supports energy-efficient system design, helping sales teams keep the conversation centered on both lower-impact refrigerant planning and equipment performance.
- **Support long life equipment investments:** Its fit across selected chiller, building, supermarket, data center, heat pump, and refrigeration platforms helps support planning for systems expected to operate over long service lives.
- **Advance A2L ready equipment conversations:** As an A2L mildly flammable refrigerant, Solstice ze helps you plan for equipment designed around applicable A2L requirements without making safety classification the entire story.

PACKAGE TYPE	PRODUCT PACKAGING SIZE	SKU
Jug	4.5 kg	10617007
Cylinder	110 lb / 50 kg	10617009
Half Ton	1000 lb	10676385
Ton	771 kg	10617008



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