SOLSTICE® 454C (R-454C)

Solstice® 454C (R-454C) is a non-ozone-depleting, zeotropic HFO blend refrigerant designed as a low global warming potential (GWP) alternative to R-404A in refrigeration applications.

With a GWP below 150, Solstice 454C helps you support customers looking for a practical lower-GWP path across commercial refrigeration, cold storage, food retail, and selected heat pump applications. It delivers nearly 10% improved efficiency and capacity within 8% of R-404A, helping customers evaluate new system options without making performance feel like a compromise.

Solstice 454C is classified as an A2L mildly flammable refrigerant and is intended for use in new equipment and approved applications designed for A2L refrigerant requirements.



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CATEGORY	SOLSTICE® 449A
Performance Function	New equipment / approved applications
Refrigerant Class	HFO blend
Refrigerant Type	Zeotropic blend
Global Warming Potential	148
Ozone Depletion Potential	0
ASHRAE Safety Classification	A2L, mildly flammable
ASHRAE Number	R-454C
Replaces / Alternative To	R-404A

WHY CHOOSE SOLSTICE 454C?

Solstice 454C offers a practical refrigeration solution that combines very low GWP, strong application fit, and reliable system planning for new or approved applications.

Its performance profile supports low- and medium-temperature refrigeration needs across supermarkets, convenience stores, restaurants, cold storage, plug-in equipment, and other commercial refrigeration environments. For contractors, distributors, OEMs, and facility teams, Solstice 454C gives you a clearer product story around lower-GWP planning, application confidence, and long-term refrigeration system support.

APPLICATIONS



Supermarket refrigeration | Convenience store & restaurant refrigeration | Cold storage | Plug-in refrigeration equipment | Food retail condensing units | Stand-alone refrigeration equipment | Commercial ice machines | Ice rinks | Selected heat pump applications

BENEFITS

- **Offers you a below 150 GWP refrigeration option:** Solstice 454C gives customers a low GWP alternative to R-404A for new or approved refrigeration applications.
- **Supports performance expectations:** With nearly 10% improved efficiency and capacity within 8% of R-404A, Solstice 454C helps customers evaluate lower-GWP systems with greater confidence.
- **Simplifies conversations around new refrigeration equipment:** Its application fits across supermarkets, convenience stores, restaurants, cold storage, plug-in equipment, and food retail systems helps support practical product planning.
- **Builds confidence around A2L readiness:** Solstice 454C supports customers preparing equipment designed around A2L refrigerant requirements without making A2L the entire sales story.
- **Supports broader system planning:** Availability across multiple package sizes helps support service needs, distributor inventory planning, and larger project requirements.

PACKAGE TYPE	PRODUCT PACKAGING SIZE	SKU
Jug	24 lb / 10.9 kg	10671179
Jug	25 lb / 11.3 kg	10674045
Cylinder	100 lb / 45.4 kg	10671777
Half Ton	825 lb / 374 kg	10672491

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