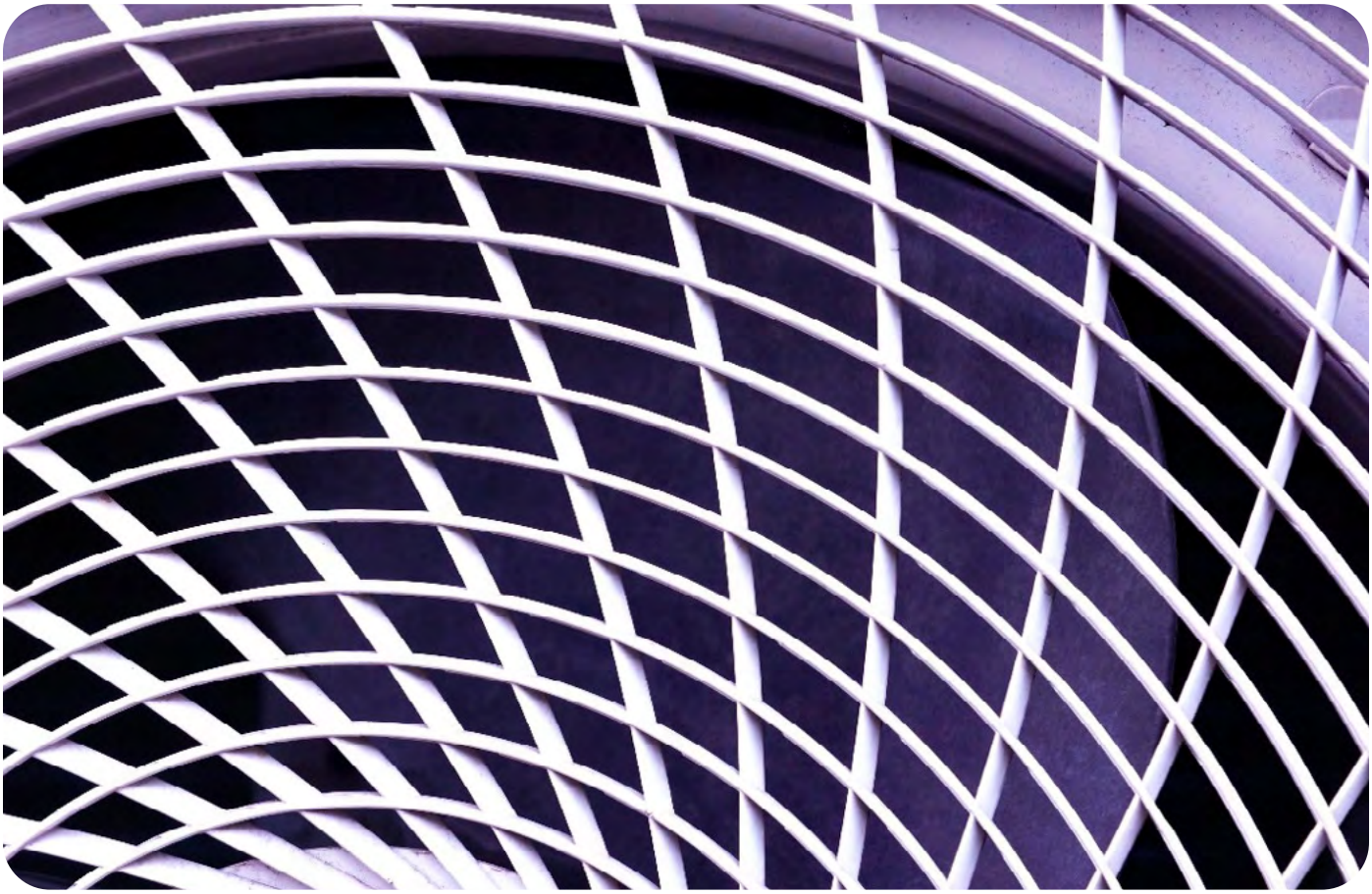
SOLSTICE® 454B (R-454B)

Solstice® 454B (R-454B) is a non-ozone-depleting, zeotropic HFO blend refrigerant designed as a low global warming potential (GWP) solution for air conditioning and reversible heating systems, especially in residential and light commercial applications.

For HVAC contractors and building owners planning new comfort cooling or heating systems, Solstice 454B has properties very similar to R-410A. It provides a 78% lower GWP of 467 with a close capacity match that delivers similar capacity and efficiency. The near-azeotropic behavior of Solstice 454B ensures minimal performance drift during operation

Solstice 454B has a higher critical temperature (172.6° F and 77°C) that provides excellent performance in high ambient conditions. It also delivers a broader operating envelope in low evaporating temperatures. Compatible with synthetic polyolester (POE) oils used in HVAC systems, R-454B has a low temperature glide. It is ASHRAE classified as an A2L refrigerant and it is intended for use in equipment designed for A2L refrigerant requirements.



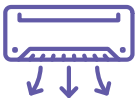
Solstice

CATEGORY	SOLSTICE® 454B
Performance Function	New equipment
Refrigerant Class	HFO blend
Refrigerant Type	Zeotropic blend
Global Warming Potential	466
Ozone Depletion Potential	0
ASHRAE Safety Classification	A2L
ASHRAE Number	R-454B
Replaces	R-410A

WHY CHOOSE SOLSTICE 454B?

Solstice® 454B (R-454B) refrigerant minimizes capital expenditures and streamlines conversion to a low GWP refrigerant with minimal changes from a R-410A design. With its high critical temperature and broader operating envelope in low evaporating temperatures, Solstice® 454B (R-454B) refrigerant outperforms other refrigerant alternatives in normal and high ambient conditions in a variety of applications.

APPLICATIONS



Residential air conditioning



Light commercial air conditioning



Heat pumps



Commercial packaged systems



Direct expansion (DX) chillers



Data center room cooling

BENEFITS

- **Support R-410A system transition planning:** With a close capacity match to R-410A, Solstice 454B helps support the transition to new equipment platforms with a more familiar performance story with a 78% lower GWP option.
- **Maintain strong comfort cooling and heating performance:** Solstice 454B is designed to deliver improved efficiency and matching capacity to R-410A, helping support reliable performance across comfort cooling and reversible heating applications. Because Solstice 454B is optimized for R-410A replacement, it helps support new system designs with minimal changes compared with broader refrigerant alternatives. Similar discharge temperature to R-410A, low temperature glide, and miscibility with POE lubricants help make Solstice 454B a more practical option for HVAC equipment planning and service conversations.
- **HVAC platforms:** High critical temperature and broader operating envelope in low evaporating temperatures, Solstice® 454B outperforms other refrigerant alternatives in normal and high ambient conditions in a variety of applications, simplifying training, inventory planning, and customer conversations.

PACKAGE TYPE	PRODUCT PACKAGING SIZE	SKU
Jug	20 lb / 9 kg	10671095
Cylinder	100 lb / 45.4 kg	10669597
Half Ton	800 lb / 363 kg	10671458
Ton	1300 lb / 589.7 kg	10671457

Solstice Advanced Materials Inc.
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