SOLSTICE® N40 (R-448A)

Solstice® N40(R-448A), is a nonflammable HFO blend refrigerant designed as an alternative to R-404A, R-507, R-22, R-407 series of refrigerants, and interim blends in commercial refrigeration applications.

For contractors, distributors, service teams, and facility operators managing new installations or retrofit applications, Solstice N40 offers a smart option for low and medium temperature refrigeration. Its A1 nonflammable classification supports familiar handling expectations, while its performance profile helps support dependable refrigeration operations across common cold chain and food retail environments.

Compared with R-404A, Solstice N40 provides a 68% global warming potential (GWP) reduction and can help lower energy consumption in qualifying applications. This gives Solstice sales teams a stronger efficiency and operating-cost story for refrigeration teams evaluating both system performance and long-term refrigerant planning.



Solstice

CATEGORY	SOLSTICE® N40
Performance Function	New systems / retrofit
Refrigerant Class	HFO blend
Refrigerant Type	Zeotropic blend
Global Warming Potential	Confirm final PIM/TDS source
Ozone Depletion Potential	0
ASHRAE Safety Classification	A1, nonflammable
ASHRAE Number	R-448A
Alternative To	R-404A, R-507, R-22, R-407 series, and interim blends

WHY CHOOSE SOLSTICE N40?

Solstice N40 helps refrigeration teams address energy performance, GWP reduction, and system planning through one commercial refrigeration solution. It supports both new installations and retrofit applications, giving contractors, distributors, service teams, and facility operators a practical option across multiple low and medium temperature environments.

Its broad commercial refrigeration fit helps simplify sales conversations across cold chain refrigeration systems. Compared with products positioned primarily around low GWP replacement, Solstice N40 gives you a more efficiency focused product tied to energy use, operating-cost planning, and dependable refrigeration performance.

APPLICATIONS


Low & medium temperature commercial refrigeration


Low & medium temperature industrial direct expansion refrigeration


Food retail condensing units


Food retail freezers, coolers, and display cases


Convenience store refrigeration


Supermarket refrigeration systems


Cold storage warehouses


Self-contained condensing units

BENEFITS

- **Support new installations and retrofit applications:** Solstice N40 gives contractors, distributors, and facility teams a practical commercial refrigeration option for both new systems and R-404A retrofit planning.
- **Reduce GWP from legacy refrigerants:** Compared with R-404A, Solstice N40 provides a 68% GWP reduction while supporting the move away from legacy HFC and HCFC refrigerants.
- **Strengthen the energy-efficiency story:** Solstice N40 can help lower energy consumption in qualifying applications, giving sales teams a stronger operating-cost message alongside refrigerant planning.
- **Maintain familiar service expectations:** Its A1 nonflammable classification supports familiar handling practices for contractors and service teams working across commercial refrigeration environments.
- **Apply across multiple cold chain applications:** Broad use across food retail, cold storage, condensing units, display cases, and commercial direct expansion systems to help simplify product selection, inventory planning, and project support.

PACKAGE TYPE	PRODUCT PACKAGING SIZE	SKU
Jug	25 lb / 11.3 kg	10637999
Cylinder	100 lb / 45 kg	10637061
Half Ton	850 lb / 386.46 kg	10657578
Ton	1450 lb / 657.7 kg	10655356

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