

Solstice[®] N40 (R448A) Refrigerant



It's the most energy-efficient, reduced-GWP alternative to R404A available.

Honeywell

Reduced GWP And Higher Energy Efficiency

The superior energy efficiency of Honeywell Solstice® N40 (R448A) makes it a clear winner compared to R404A. Add in its significantly lower global warming potential — more than two-thirds lower — and it's easy to see why Solstice N40 should be your refrigerant choice for years to come. It's a nonflammable (ASHRAE A1) replacement for R404A or R22 in supermarket applications.

- Low- and medium-temp refrigeration applications
- Nonflammable (ASHRAE A1)
- Near drop-in replacement for R404A
- GWP of 1273 is 68% lower than R404A and 34% lower than R407A
- 5-10% higher energy efficiency than R404A
- Equivalent to R22 performance in low and medium-temp applications

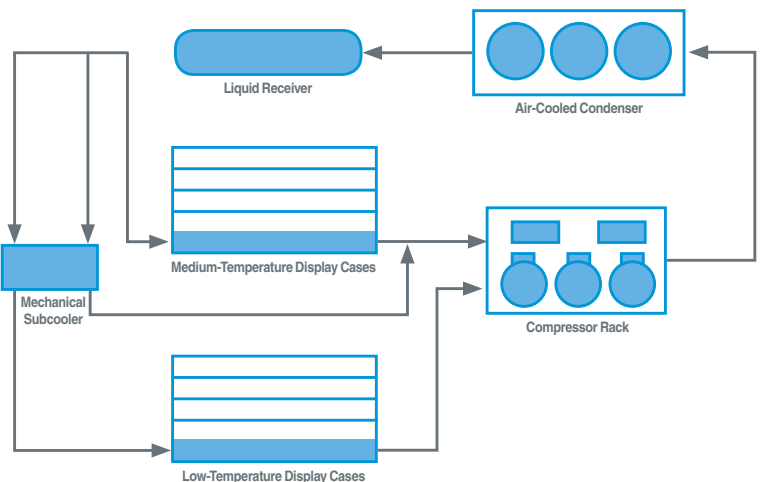
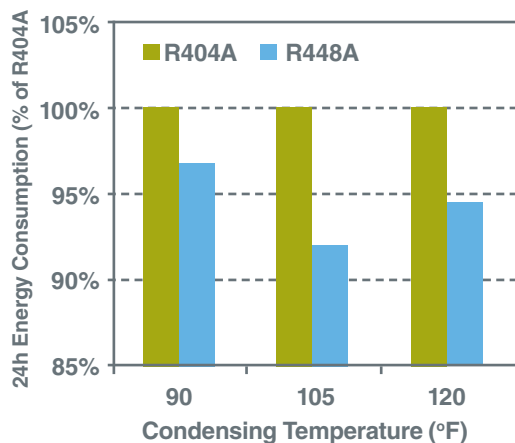
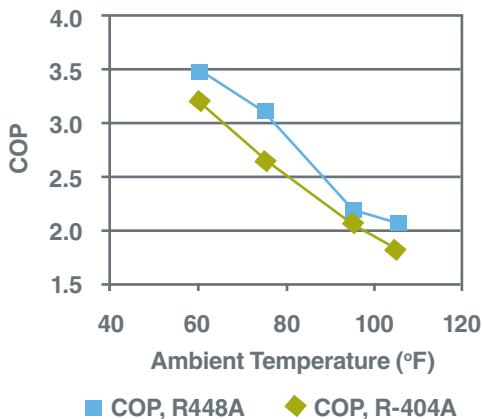
Rapid, Cost-Efficient Adoption

Honeywell has made switching to Solstice N40 (R448A) a breeze. It's a near drop-in replacement, so you don't have to worry about a long learning curve. With Solstice N40, you can get right to work.

- Similar operating pressures as HFCs
- Same lubricant as HFCs (POE)
- Compatible with all system components
- Solstice N40 in approval process for use with Copeland Discus and Scroll, Bitzer, Carlyle

Solstice N40 Is Simply Better

As the charts below show, Solstice N40 (R448A) demonstrates lower energy consumption, increased refrigeration capacity and coefficient of performance (COP) compared to R404A.



Above: In a full-scale supermarket refrigeration experimental evaluation under controlled laboratory conditions at Oak Ridge National Laboratories, Solstice N40 increased system COP by 11.6% and capacity by 7.5% over the ambient temperature range.

Left: In recent laboratory tests at Emerson Climate Technologies, Solstice N40 demonstrated up to 8% lower energy consumption than R404A.

Honeywell Genetron Refrigerants

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