The most energy efficient, lowest GWP refrigerants for commercial refrigeration

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U.S. EPA SNAP Program Delisted Products and Honeywell-Recommended Alternatives

The table at left summarizes EPA’s phase-out dates and available replacements by application, along with Honeywell’s recommended alternatives based on performance, cost, and environmental benefit.
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THE BEST OPTION FOR NEW SUPERMARKETS OR R-40A RETROFITS
Solstice® N40 is a hydrofluoro-olefin (HFO) blend designed to replace R-404A in low- and medium-temperature refrigeration applications.

FEATURES & BENEFITS
• U.S. EPA SNAP-listed and UL listed
• GWP of 1273 is 68% lower than R-404A
• Solstice N40 demonstrates a 5-16% percent lower energy consumption in medium-temperature refrigeration compared with R-404A
• Approved for use with major compressor manufacturers
• Near drop-in replacement for R-404A and R-507
• Non-ozone-depleting and nonflammable (ASHRAE A1)
• The lowest GWP, A1 replacement for R-404A and R-507 available today

THE BEST OPTION FOR R-22 SUPERMARKETS RETROFITS
Genetron Performax® LT provides the closest match to R-22 performance in supermarket retrofits (compared to R-438A and R-407A).

FEATURES & BENEFITS
• U.S. EPA SNAP-listed and UL listed
• Best capacity match to R-22 in low- and medium-temperature refrigeration applications
• GWP of 1674 is among the lowest of HFC R-22 alternatives; better for the environment and reduces potential GWP-based fees
• No TXV changes or adjustments, eliminating most retrofit costs
• Maintains positive superheat, protecting expensive compressors
• Approved for use with major compressor manufacturers
• Non-ozone-depleting and nonflammable (ASHRAE A1)

THE BEST NONFLAMMABLE REPLACEMENT FOR R-134A
Solstice® N13 is an HFO blend designed to replace R-134a medium temperature refrigeration equipment, such as heat pumps, air- and water-cooled chillers, vending machines and beverage dispensers, high stage of CO2 cascade systems and DX medium temperature refrigeration.

FEATURES & BENEFITS
• U.S. EPA SNAP-listed and UL listed
• Replaces HFC-134a in medium temperature systems
• GWP of 604 is 60% lower than R-134a
• >90% capacity with similar efficiency (101-103%)
• Negligible glide (0.4°C) can be addressed during system design
• Lower discharge temperature than R-134a
• Nonflammable (ASHRAE A1)
• Approved for use by major compressor manufacturers