

Reduce Your Carbon Footprint With Honeywell Solstice® Products

Honeywell Solstice® products have global warming potentials (GWPs) 99.9% lower than the refrigerants, foam blowing agents, aerosols and solvents they replace. We estimate that use of Solstice materials will eliminate more than 475 million metric tons of CO₂ equivalents by 2025.



BLOWING AGENTS:

Refrigerated Truck Insulation (Solstice LBA)

4–12% improvement in thermal performance at 40°

Commercial Refrigeration Equipment Insulation (Solstice LBA)

Trial data shows improved performance and foam properties compared to current blowing agents



REFRIGERANTS:

Automotive AC (Solstice yf)

Has a fraction of the GWP of traditional automotive refrigerants, provides the same cooling comfort, and complies with environmental regulations

Refrigerated Truck (Solstice N40) (R-448A)

Comparable energy efficiency to R-22, R-404A, or R-134a



REFRIGERANTS:

Supermarket/Cold Storage (Solstice N40) (R-448A)

5–16% lower energy usage than R-404A in medium-temperature refrigeration

Plug-In Commercial Refrigeration (Solstice N13) (R-450A)

60% lower GWP than R-134a

Chiller (Solstice zd)

Trane Series E CenTraVac large-capacity chillers are 10 percent more energy efficient than the next available chiller and use Solstice zd (1233zd(E))

Vending (Solstice N13) (R-450A)

60% lower GWP than R-134a



SOLVENTS:

SOLSTICE PERFORMANCE FLUID

Metal Parts Cleaning

Effectively removes contaminants like oil, grease, and metal filings from metal parts

Electronics Cleaning

Cleans common soils that disrupt the function and reliability of electronics

Medical Device Cleaning

Cleans medical devices effectively and safe to use

Optics Cleaning

Ideally suited for optics applications that require effective, yet gentle cleaning

Aerospace/Military Cleaning

Dissolves many common soils encountered in aircraft and military equipment production, maintenance, and repair



BLOWING AGENTS:

Roof Spray Foam Insulation (Solstice LBA)

Excellent insulation properties and increased roof durability

XPS (Board) Insulation (Solstice GBA)

7% more energy efficient than similar boards made with 134a, and 24% better than boards made with CO₂



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AEROSOLS: SOLSTICE PROPELLANT

Tire Inflator

GWP < 1 and non-flammability help meet global environmental regulations without performance loss

Personal Care

Ultra-low GWP and high versatility accommodates a wide variety of products

Insect Spray

Non-flammability, low toxicity and a GWP < 1 makes it an ideal propellant for insect sprays used in residential and commercial areas

Household Care/Cleaners

All of the performance benefits of higher GWP HFCs, but with a GWP < 1 and favorable environmental properties



BLOWING AGENTS:

Wall Spray Foam Insulation (Solstice LBA)

Improves thermal insulation 4–6% over alternatives, even at high outside temperatures

Residential Refrigerator Insulation (Solstice LBA)

8–10% more efficient than refrigerators using cyclopentane, and 2% more efficient than those using HFC-245fa

Molded Flexible Foam (Solstice LBA)

Lowers seat weight, creating a lighter, more energy-efficient vehicle

