

Solstice Range of Refrigerants

	Alternative To	GWP	Ashrae Class	Performance (vs alternative)	Applications	Status
Solstice™ yf HFO-1234yf	R-134a	4	A2L	Both capacity & efficiency very similar to R134a (typically +/- 5%)	MAC, buses & coaches AC, vending, fridges	Commercially available. Adopted by MAC industry. Proven records in vending units.
Solstice™ ze HFO-1234ze	R-134a	6	A2L	Efficiency comparable or better than R-134a	Chillers, vending, CO ₂ cascade systems, air dryers, heat pumps	Commercially available. Non-flammable for handling and storage. Proven records in chillers. Initial trials in cascade systems.
Solstice™ zd HFO-1233zd	R-123	<5	tbd	Better capacity & similar efficiency to highly efficient R123	Centrifugal chillers ORC, high temp applications, high capacity chillers	Available for testing.
Solstice™ N13 HFO blend	R-134a	~600	A1	Similar to R-134a	Chillers, MT refrigeration (distributed, CO ₂ cascade)	Best non-flammable alternative. Initial trials in cascade systems.
Solstice™ N20 HFO blend	R-22 R-407C	~1000	A1	Comparable to R-407C	Stationary A/C, refrigeration	Available for testing.
Solstice™ L20 HFO blend	R-22 R-407C	<350	A2L	Comparable to R-407C	Stationary A/C, refrigeration	Available for testing.
Solstice™ N40 HFO blend	R-404A	~1300	A1	Better efficiency than R-404A	MT and LT refrigeration	Available for testing.
Solstice™ L40 HFO blend	R-404A	<300	A2L	Better efficiency than R-404A	MT and LT refrigeration	Available for testing.
Solstice™ L41 HFO blend	R-410A	<500	A2L	Comparable to R-410A	Stationary A/C, heat pumps	Available for testing.

Note: HFOs and HFO blends can be used with existing technology and existing technicians skills in most of the applications.



Solstice™
A Full Range Of Energy Efficient, Innovative
And Sustainable Refrigerant Solutions

Learn More

call **+32 16 391 211**

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The Future Of Refrigerants Begins With Solstice™

Honeywell's key environmental focus is on safe, lower GWP sustainable solutions, whilst still maintaining energy efficiency at the heart of the product range. We have invested in both R&D and manufacturing capacity for continuous improvement to help countries and companies meet the global commitments for carbon footprint reduction.

