






RETROFITTING Refrigeration Systems

Refrigerant Options

 Solstice® N40 R448A (HFO Blend)	<p>US EPA SNAP-listed and UL listed</p> <p>Low- and medium-temp refrigeration applications</p> <p>Lowest GWP (1273) / A1 alternative to R-404A (GWP 66% lower than R-404A) commercially available</p> <p>Superior replacement for R-404A, more capacity and efficiency with no change to TXV changes required</p> <p>Ideal for new supermarkets and R-404A retrofits</p>
 Solstice® N13 R450A (HFO Blend)	<p>U.S EPA SNAP-listed and UL listed</p> <p>Replaces R134a in medium-temperature systems</p> <p>GWP of 547 is 60% lower than R134a</p> <p>90% capacity with similar efficiency (100%)</p> <p>Small glide (0.4°C) can be addressed during system design</p> <p>Nonflammable</p>
 Genetron Performax® LT R407F (HFC)	<p>Best capacity match to R22 in medium- and low-temperature applications</p> <p>The most efficient R22 retrofit option in the marketplace</p> <p>Lowest GWP (1674) among HFC R22 replacements for commercial refrigeration</p> <p>Requires POE</p> <p>No TXV change or adjustments</p> <p>Compressor manufacturer approvals</p> <p>Lower discharge temperature than R22</p>

Refrigeration Resources

www.honeywell-refrigerants.com	PT Chart App  Android	 iOS	Live help: Call 1-800-426-8241 to speak to a Honeywell refrigeration professional
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RETROFITTING R22 A/C Systems

Refrigerant Options



R407C (HFC)

Best capacity and efficiency match to R22

The most efficient R22 retrofit option in the marketplace

A change to POE lubricant is recommended. If existing MO is used, the addition of some POE to the system is required for proper oil return

Requires a minimum of 20% POE for close-coupled A/C systems

No TXV change required

Lowest GWP (1624) among R22 replacements

Lower discharge temperatures than R22



R422D (HFC)

No oil change* or TXV change** in most installations

Satisfies customers looking for a “drop-in” option

Slightly less capacity and efficiency but lower discharge temperatures

Can be used with AB, MO, POE lubricants* when short connecting lines are used

Lower discharge temperatures than R22

* System designs vary and the addition of POE may be required to assure proper oil return

** The mass flow of R422D is higher than that of R22 and an evaluation of the expansion device is recommended

Air Conditioning Resources

www.honeywell-refrigerants.com

Genetron® 422D
YouTube Video



Live help:
Call 1-800-426-8241 to speak to a
Honeywell refrigeration professional

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G525-605
Printed in U.S.A.
August 2015

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