### Refrigerant Options

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