



Your HVAC&R Business Partner

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Image: Gas2Go R448A Cylinder

## R448A DELIVERS BETTER REFRIGERATION PERFORMANCE WITH LOWER ENERGY CONSUMPTION

**Having already secured the distribution of R448A to the AU and NZ market, Heatcraft Australia is now looking to specify the new refrigerant as an application option across its Kirby condensing unit and refrigeration equipment range.**

The new refrigerant is already kicking goals, with WA contractor Goff's Refrigeration working with Heatcraft Australia to design, install and commission R448A refrigeration systems for the prestigious new Perth Stadium project.

The low temperature applications including special -40°C blast freezers are serviced by custom designed & built water-cooled basic condensing units, air-cooled condensing units and Kirby 9000 Series Evaporators - all operating on R448A.

It's little wonder the relatively new to market HFO blend is gaining traction, given the impressive energy efficiency and energy savings being experienced, when compared to R404A.

In low and medium temperature applications, manufacturer Honeywell reports R448A has been achieving gains of up to 7.5% in refrigeration capacity and can achieve power consumption reductions of 3-4% - a significant impact on carbon footprint and running costs for any business owner, large or small.

Heatcraft Australia is currently conducting field trials with one of its major customers in a commercial refrigeration application. The customer has reported preliminary performance results are exceeding expectations, providing further verification of equivalent system performance and suitability.

R448A has been designed to be easily retrofitted into existing R404A systems, requiring minimal component changes. No oil change (POE) is required or tube work changes. Minor adjustment of the TX valves is all that may be required.



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R448A is safety classified A1: non-toxic and non-flammable. With around 25% HFO content, the GWP has been lowered to 1387. This represents 2/3 reduction in comparison to R404A and gives R448A the lowest GWP of any A1 retrofit refrigerant for low temperature applications.

The refrigerant has been tested and endorsed by major compressor manufacturers and approved for use with Dorin H Series and Copeland compressors. It is also suitable to be used with leading control brands, including Danfoss, Emerson and Dixell. For other brands, please consult your Heatcraft representative or respective product manufacturer.

Customers interested in a Kirby customised refrigeration solution, suited to R448A should speak to their Heatcraft consultant, who will work with them to provide rated performance data based on their required selection.

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### About Heatcraft:

Heatcraft Worldwide Refrigeration is the long-standing leader in the world of commercial refrigeration, providing climate-control solutions to customers in more than 70 countries. Heatcraft has long been known for combining innovative technologies with



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precision engineering to design refrigeration systems capable of meeting the demands of the most rigorous operating environments.

As part of Heatcraft Worldwide Refrigeration, Heatcraft Australia and New Zealand is a leading wholesale distribution business catering for the refrigeration and air conditioning trades with a distribution network of over 70 wholesale outlets. Through our partnership with Lawrence & Hanson Electrical we're expanding our distribution footprint to bring even greater access to a complete range of HVAC+R and Electrical products. Our exclusive brands include Kirby, Lennox, Gas2Go, InterLINK and Smart@ccess.

Heatcraft is committed to being your HVAC&R Business Partner.



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