

Natural Refrigerants

As the industry moves towards sustainable solutions, Natural Refrigerants are leading the way. These non-toxic gases have been adopted as a substitute for hydrofluorocarbon (HFC) and hydrochlorofluorocarbon (HCFC), offering a green and safe alternative.



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Self-Contained vs Remote Refrigeration Systems

As sustainability and efficiency become priorities in business, it's important to evaluate the impacts and design of the refrigeration system you use. Understanding the difference between self-contained systems using natural refrigerants, like R290 and traditional remote refrigeration setups is key to making the right investment for your business and the planet.



Design & Flexibility

Self-contained systems are compact, plug-in units. No need for bulky, spaceconsuming remote plant systems. They're easy to move, simple to service, and ideal for businesses in hot or tropical climates where outdoor units are prone to corrosion.

Installation & Running Costs

Self-contained units are more cost-effective

to install and operate. Remote systems

require complex engineering, higher

installation costs, and specialised service.



Environmental Impact

Remote systems often use synthetic refrigerants like glycol or other HFCs, which are harmful to the environment. In contrast, R290 systems have a GWP of virtually zero, making them a climateconscious choice.



Space & Noise

Unlike older self-contained designs, today's R290 units are quiet and low-heat. There's no longer a trade-off in noise or footprint.

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Scalability & Upgrades

It is often assumed that adding additional fridges to an existing remote system is simple - but this often requires costly upgrades to the remote plant, more servicing and hidden expenses. With selfcontained units, scaling is straightforward and future-proof.

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