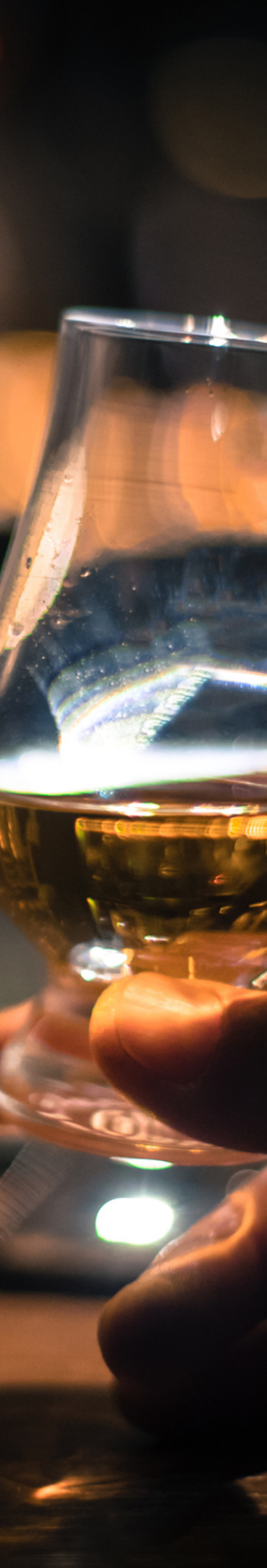




Cooling Solutions for Distilleries

Planning Your Transition to Low GWP Refrigerants



Introduction

F-Gas quotas have already been reduced to 21% of their original baseline, and from 2030, new refrigeration systems using refrigerants with a GWP above 150 will be prohibited in many applications.

If your distillery is still operating R407C or R410A systems, this isn't a future problem, it's a current one.

As quotas continue to tighten, delaying the decision won't remove it; it will simply reduce the options available when the time comes to act.

This guide explains what's changing, what it means for your carbon footprint and operating costs, and the practical options available — from interim measures through to a full system transition.

The Challenges

If your cooling system is outdated, inefficient, or costly to run, it could be holding you back from meeting your efficiency and sustainability goals. Here are some cooling challenges to consider :

- **Regulatory Changes** - F-Gas quotas have been cut to 21% of their baseline, and R407C and R410A are now restricted to reclaimed refrigerant for servicing.
- **High Energy Consumption** - As R407C and R410A systems age, wear and declining performance increase energy consumption and operating costs, often well before the system reaches end of life.
- **Carbon Footprint Concerns** - Every kilogram of refrigerant lost to atmosphere has the same climate impact as almost four tonnes of CO₂. Switching to a lower GWP refrigerant dramatically reduces that environmental exposure.



The Solution

Moving away from R407C or R410A doesn't mean one refrigerant, one price, one path.

Some options are an interim step. Others get you fully ahead of 2030 compliance.

Either way, the choice affects your carbon footprint, your regulatory position, your on-site safety, and what waiting actually costs you.

Here's what that looks like for your system.

MEET REGULATORY STANDARDS

F-Gas quotas are already at 21% of baseline, with new installations above GWP 150 banned from 2030. Low GWP chillers offer a route through this transition, from interim lower-GWP options through to systems that meet the 2030 threshold outright.

LOWER CARBON FOOTPRINT

R410A has a GWP of 2088. An interim switch to R448A (under 1,500) cuts that significantly; a full transition to R744 (under 5) cuts it almost entirely. Either option significantly reduces the environmental impact of your refrigeration system.

CHOOSE THE RIGHT REFRIGERANT

Refrigerant choice affects more than emissions. Different low and ultra-low GWP refrigerants have different safety, performance and installation requirements. We help you balance these alongside environmental impact and whole-life cost to identify the most appropriate solution for your application.

REDUCE FINANCIAL RISKS

As F-Gas quotas continue to tighten, the cost of maintaining a restricted refrigerant system will only increase. Acting now gives you the choice between an interim switch and a full transition — waiting removes that choice as much as it raises the cost.



How CPA Refrigeration Supports You

Choosing the right process cooling solution is just the beginning.

CPA Refrigeration provides comprehensive support, from installation and maintenance to expert advice on optimising your system's performance.

Our F-Gas registered engineers work with you from initial assessment through installation, ongoing maintenance and long-term system support, meaning you have one partner across the full transition, not a one-off product sale.





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