



R22 Replacement Deadline

The use of virgin R22 gas is already prohibited and the use of recycled and/or reclaimed gas will be prohibited after 31st Dec 2014. Best options for its replacement depend on a number of factors including the age and condition of your equipment.

R22 Replacement Options

If your equipment isn't too old and has been well maintained, you could look at decanting the R22 from your existing system, then converting the system to make it compatible with a replacement refrigerant. While this offers businesses a reduced capital outlay compared to full replacement, the downside could be that no replacement refrigerants offer an exact match to the thermal properties of R22 which could result in reduced capacity and/or efficiency. In most cases, the retrofit option is more suitable for air conditioning rather than refrigeration plant.

The second option is to replace your R22 equipment with a new system which is compatible with modern refrigerants. Obvious benefits include a significant reduction in energy consumption from the use of modern equipment as well as reduced maintenance costs and an increased service life over a refrigerant conversion, protecting you from increased breakdowns and potential impact on product quality or stock loss. While this option means a larger initial capital outlay, this can be offset by the benefits of energy efficiency savings.

Piramal Healthcare - R22 Retrofit

In 2014 we completed an R22 Retrofit for Piramal Healthcare at Grangemouth. Here the team at ACE were responsible for reclaiming R22 from four Toshiba air conditioning units in the main building then carrying out a retrofit, dropping in refrigerant R417a. R417a is a popular choice for this type of retrofit as it is a unique non-ozone depleting long-term replacement for R22 and it's comparable to R22 in terms of performance across the R22 temperature range.

Service & Maintenance

Piramal Healthcare knew ACE Refrigeration could deliver on time and within budget for this project as we have been their service and maintenance partner for a number of years, already looking after a chill room, water chillers and air conditioning. Our service & maintenance departments have dedicated teams of fully qualified service & maintenance engineers who work together to achieve a service which is fast, effective and reliable. To help minimise equipment breakdown and the inevitable disruption to your operation, we offer highly competitive maintenance contracts, individually tailored to meet your needs. At ACE, we can help you achieve the following:

- **F-Gas Compliance**
- **Health & Safety Compliance**
- **Reduced Liability Insurance Premiums**
- **Lower Life Cycle Costs**
- As an ACE PPM customer you are guaranteed priority service 24 hours per day, 7 days per week, 365 days per year.

Cost-effective & Energy Efficient

As well as complying with the legal requirements of the legislation, replacing tired and inefficient equipment can have a major benefit on your operating costs - some of our recent installations have had a payback period of less than 2 years based on the energy savings received; some customers have saved up to 25% off their energy bills. Also for some of our customers in the UK, we have been able to help secure substantial grant funding for the replacement and renewal of outdated plant.

ACE Refrigeration Expertise

ACE Refrigeration has proven experience in replacing R22 plant for customers in the catering, healthcare, food processing and hospitality industries. Established in 1951, our knowledge, breadth of experience and professional indemnity set us apart from others and enable us to have a flexible approach to projects and working partnerships. We are manufacturer independent so are able to offer customers bespoke solutions which best meet their needs.

R22 Clients

We have already replaced R22 plant for a number of customers including Glenrath Farms, Gate Gourmet, Marine Harvest, the Northern Ireland Fishery Authority and the Sheraton Grand Hotel & Spa in Edinburgh.

