



F-Gas Regulations

MADE EASY!



Time is running out for R22 and other HCFC's!

The end of 2009 brings with it the end of Refrigerant R22 and other HCFC's

All air conditioning and refrigeration users need to take notice of the new regulations...

From 31st December 2009 it will be illegal to use virgin hydrochlorofluorocarbons (HCFCs) such as R-22 (which until 5 years ago was the most commonly used refrigerant in new systems) when servicing and maintaining air conditioning and refrigeration equipment.

Until the 31st December 2014 temporary use of recycled/recovered R-22 is possible; but availability will be limited and costs high.

From 31st December 2009 sales or use of

recycled/recovered R22, R123, R401a, R402a, R403b, R408a, R409a, R412a and R509 will be prohibited.

The regulation also calls for all operators of HCFC refrigeration systems to take "all precautionary measures practicable" to prevent and minimise leakage. It states that all fixed equipment systems with a refrigerant charge greater than 3kg will require an annual check for leakage. This must be undertaken by qualified personnel and they will be required to properly recover any HCFC refrigerant removed from a system.

Our engineers are fully qualified to undertake all of this work.

Kool-It are here to help!

We will help you develop a corporate strategy to ensure compliance with the new

legislation. Simply call us now and we will audit your equipment and advise you on the options which could include replacement, refit or retrofit. A new air conditioning system may represent the best long term investment - in which case we will calculate likely energy savings, CO2 reductions and the payback period. We will project manage the transition to ensure the smooth integration of new systems and the safe disposal of the HCFC refrigerant.

Your options...

1. REPLACE EQUIPMENT
2. RETROFIT
3. CONTINUE TO USE RECYCLED R22/HCFC'S
4. DO NOTHING

Kool-It can help you through the minefield!



Deadline.. 31/12/2009

Kool-It Services are specialists in Air Conditioning and Refrigeration.

Established in 1972 and a family owned business we have built a solid reputation over the years and are renowned for quality of service and prompt responses.

We pride ourselves on our technical knowledge and have time-served directly employed engineers.

Tel: 0800-035-5665 ... Fax: 0870-787-4621 ... Web: www.koolit.co.uk



F-Gas & EC Ozone Regs. Key Facts...

In summary - what the new regulations mean for you...

- 31st December 2009.**
This is the date virgin R22/HCFC refrigerant becomes illegal to use in the repair/maintenance of any air conditioning or refrigeration equipment.
- Most fixed systems legally require leak checking once per year. Systems containing over 3kg of refrigerant are now required by law to have a leak test at least once per year. This service is included within all of our maintenance contracts.
- 31st December 2014**
This is the date when all R22 will cease to become available in any form - making repairs using R22 impossible and also illegal. This date has already been brought forward a number of times; so expect it to change again!
- Records must be kept up to date. Good records must be kept for equipment containing 3kg of more of F-Gases. Log books must be updated each time any refrigerant is added or recovered from any systems.
- Training**
It is the end users responsibility to ensure that personnel designated to look after the plant have the appropriate qualifications. All of our engineers hold up to date City and Guilds 2078 qualifications - for your

Replace equipment...

Many R-22/HCFC units are now reasonably old and replacement through phase out is often the best way forward. The good news is that new systems using the latest inverter technologies are likely to have a significantly greater cooling capability (up to 15%) and to use far less electricity (on average approx. 50%). The payback period and the opportunity to make significant CO2 reductions can add up to a big incentive to invest (see examples above right).

Mitsubishi and Daikin now both have technologies that enable existing pipe work to be used in a large number of applications - meaning that the cost of a replacement can often be far less than the original system may have cost.

An added incentive may be the Government's Enhanced Capital Allowance Scheme which could allow accelerated tax relief on certain new equipment. Call for further advice, or visit www.eca.gov.uk/etl



Retrofit equipment to use an alternative refrigerant...

Depending on the type, age and condition of equipment in some situations 'replacement technology' means it is possible to adapt systems to use legally permitted HFC's or an HFC blend (drop in replacements). System efficiency and

reliability needs to be considered and only qualified engineers can undertake this work.

Continue to use recycled refrigerant...

Not the long term solution, but until 31 December 2014 it is possible to use a recycled refrigerant - however it's availability and cost could well be an issue - especially for the smaller user.

Do nothing...



You could bury your head in the sand and hope that nothing will break down and need fixing!

We're sure you know this isn't an option when you rely on your equipment day in and day out!

**CALL US FREE TODAY ON
0800-035-5665**

