

# R-22 REFRIGERANT BAN IN AIR CONDITIONING

# BANNED

**FROM 1 JAN 2010**

**SALES / USE OF VIRGIN HCFC'S SUCH AS R-22**

**FROM 1 JAN 2015**

**SALES / USE OF RECYCLED HCFC'S**



**ARE YOU PREPARED?  
YOU NEED TO BE.  
HERE ARE THE FACTS.**

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# INTRODUCTION

## Take Action Now!

**If your air conditioning system is over six years old now is the time to check out this legislation**

**From 1 Jan 2010** it will be illegal to use virgin hydrochlorofluorocarbons (HCFC's) such as R-22 (which has been the most commonly used refrigerant) when servicing and maintaining air conditioning equipment. Temporary use of recycled/recovered R-22 is possible but availability could be limited and costs high.

**From 1 January 2015** sales or use of recycled R-22 will be prohibited.

The regulation also calls for all operators of HCFC refrigeration systems (end users like yourself) 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 this work.

## Clean Air is ready to help you manage the transition

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 on the options which 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, CO<sub>2</sub> 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 R-22 refrigerant.

# THREE OPTIONS

## REPLACE

Many R-22 units are now reasonably old and replacement through phase out may be 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 will use far less electricity (on average approximately 50%). The payback period and the opportunity to make significant CO<sub>2</sub> reductions can add up to a big incentive to invest (see examples on next page).

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

## REFIT OR RETROFIT TO USE ALTERNATIVE REFRIGERANT

Depending on the type, age and condition of equipment 'replacement technology' means it is possible to adapt systems to use legally permitted HFCs or an HFC blend (drop in replacements). System efficiency and reliability will need to be considered and only qualified engineers can undertake this work.

## CONTINUE USING RECYCLED REFRIGERANT

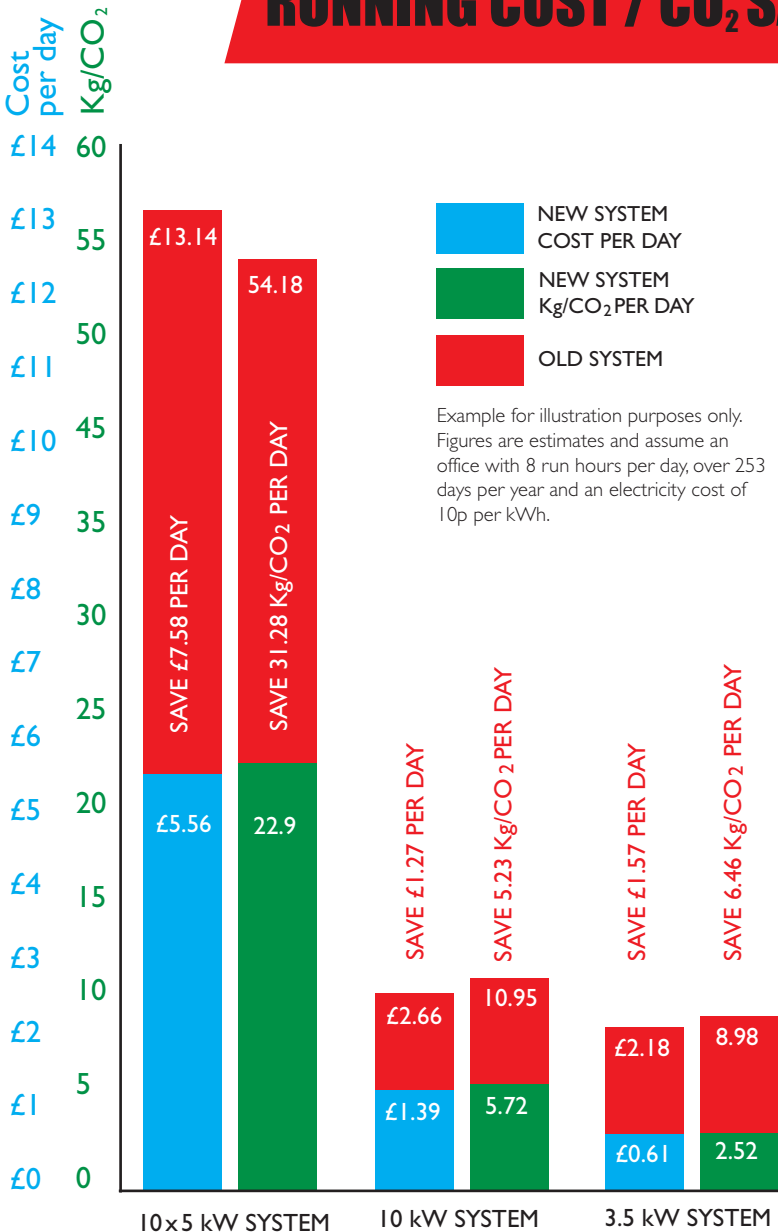
Not the long term solution, but until 31 December 2014 it is possible to use a recycled refrigerant, however it's availability and cost could well be an issue.

# YOUR CONTACTS

**For further information or an R-22 audit call Clean Air now on 0800 0266383** or reply online at [www.cleanair.co.uk](http://www.cleanair.co.uk) quoting R-22 in the comments box. We are ready to help.

A DETR / DTI pdf guide is downloadable at [www.berr.gov.uk/files/file29101.pdf](http://www.berr.gov.uk/files/file29101.pdf)

# RUNNING COST / CO<sub>2</sub> SAVINGS



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