

Applied Energy – Fact Sheet

THE IMPLICATIONS OF THE REGULATIONS FOR A/C SYSTEMS

Key Information for Building Owners and Operators

F-GAS REGULATIONS

Why? EU Regulation 2037/2000 on ozone depleting substances. and EU Regulation 842/2006 on certain fluorinated greenhouse gases (F-Gases) have important impacts on Building owners and operators. Records must be kept about each system with more than 3 kg of HFC refrigerant.

When? The key dates are shown below:

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|--------------------------------|--|
| 2008 | The quantity of virgin HCFCs that can be sold in the EU is restricted. In 2008 the amount available for sale will only be 25% of that available in 2001. |
| 31 st December 2009 | Use of recycled HCFCs for maintenance will be banned from December 31st 2014. This date is subject to a review to be completed in 2008. This means that recycled HCFCs may be phased out earlier than the end of 2014. |
| 31 st December 2014 | Use of all Virgin HCFCs banned. |

EPBD: REGULAR INSPECTIONS FOR AIR CONDITIONING SYSTEMS

Why? Energy Performance of Buildings Directive requires air conditioning systems be inspected in order that they are carefully maintained and managed in order that they do not consume too much energy. The trigger for air conditioning systems inspections is the size (effective rated output) not the type of building and so the measures apply to homes, commercial and public buildings. The inspection which is to be done by an accredited energy assessor and includes an assessment of efficiency, a review of sizing and advice on improvements/replacements/alternative solutions.

When? The key dates are shown below:

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|---------------------------------|---|
| By 4 th January 2009 | All air conditioning systems over 250kW must have their first inspection. |
| By 4 th January 2011 | All air conditioning systems over 12kW must have their first inspection. |
| | Use of all Virgin HCFCs banned. |

How? Start planning now. Applied Energy have the necessary technical expertise to help operators achieve compliance with these far reaching Regulations.

Other Opportunities? Whilst carrying out this work Applied Energy may be able to identify additional cost effective savings opportunities to help reduce the costs of chiller and refrigeration operations.

Contact: Toby King (toby.king@appliedenergy.co.uk 07803 924465) at Applied Energy for an initial chat and some guidance on how best to proceed.