

Requirements for equipment containing ozone depleting or fluorinated greenhouse gases

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The regulations on gases used in refrigeration or chiller equipment are a mess, mainly due to there being several regulations, including EU regulations, instead of a more logical, single regulation. This white paper draws together the requirements that affect most organisations who have such equipment from these.

Note that HFCs are hydro-fluoro-carbons, and HCFCs are hydro-chloro-fluoro-carbons. HCFCs create more damage.

Regulation	Requirement
Environmental Protection (Controls on Ozone-Depleting Substances) Regs 2011	Requires compliance with EU regulation 1005/2009 EC. 1005/2009 EC article 23 requires undertakings to: <ul style="list-style-type: none"> • Take all precautions to minimise leakage • Check for leakage every 12 months for 3kg, 6 months for 30kg and 3 months for 300kg. • Maintain records of substances added, dates, checks, etc.
Fluorinated Greenhouse Gases Regs 2015	Requires compliance with EU regulation EU 517/2014 Specifies certification and evaluation bodies for personnel working on F gases where F gases are HFCs, PFCs. Does not include HCFCs. Specifically covers: <ul style="list-style-type: none"> • Prevention of emissions • Leak checks (on most systems) and leakage detection systems (on larger installations), based on the global warming potential (GWP) on the F gas.
The Ozone-Depleting Substances Regs 2015	Specifies qualifications and supervision, offences and powers of regulating authorities. For the servicing and maintenance of refrigeration, air conditioning and heat pump equipment which is stationary at all times when in operation, the required qualifications are: <ul style="list-style-type: none"> • City & Guilds Certificate in Handling Refrigerants Scheme 2078(b), or • Construction Industry Training Board Safe Handling of Refrigerants (JOI)(c)

Further information on identifying what gases you’ve got, eg What is R410A?, is available in White Paper 10 “How do I know is my refrigerant is an HCFC?” <http://bit.ly/1NEkh41>

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