



## R22 Refrigerant Ban

How does it affect my business?

**Call us now for more information 0800 440 444**

### What is R22 refrigerant?

R22 refrigerants are hydrochlorofluorocarbons (HCFC). HCFCs are mainly used in refrigeration and air conditioning equipment and represent the largest remaining use of ozone-depleting substances (ODS) in the EU.

### Why has R22 refrigerant been banned?

R22 refrigerant was banned from equipment production in 2001 and from 1 January 2015, the use of recycled or reclaimed HCFCs to top up or service existing equipment was also banned to help the reduction of ODSs.

### How does the R22 refrigerant ban affect my business?

R22 equipment can still be used and maintained, providing the work being done on the system does not involve breaking into the refrigerant circuit, although it will be more prone to breakdowns due to its age. General maintenance can be carried out but tasks such as checking pressures cannot.

In the meantime, if you are still using equipment containing R22 gas, you should ensure you are taking the correct measures to prevent leaks of the HCFC and to comply with F-gas regulations:

A qualified technician must check your equipment for leaks -

Requirement	2006 Regulation	2014 Regulation	
	Kg threshold	Tonnes CO <sub>2</sub> threshold	Kg equivalent for HCFC R22
Thresholds for equipment size: mandatory leak checks, record keeping and service ban.			
Annual leak check*	3kg	5 tonnes CO <sub>2</sub>	2.8kg
6 Monthly leak check	30kg	50 tonnes CO <sub>2</sub>	28.0kg
Automatic leak detection	300kg	500 tonnes CO <sub>2</sub>	280.0kg
Record keeping*	3kg	5 tonnes CO <sub>2</sub>	2.8kg
Service ban	n/a	40 tonnes CO <sub>2</sub>	22.4kg

\*The lowest thresholds for mandatory leak testing and record keeping are doubled for hermetically sealed<sup>1</sup> equipment, ie from 5 tonnes CO<sub>2</sub> to 10 tonnes CO<sub>2</sub>.  
(www.gluckmanconsulting.com, n.d.)

### What's the alternative?

Midland Cool can replace your old R22 system with a new system using non-ozone-depleting gases such as R410a or R32. Designed to meet your current and future cooling and heating requirements, all modern systems include a heat pump as well as the latest energy efficient, A and A+ rated technology. With lower energy costs, the initial outlay is offset in no time.

To help minimise the replacement fees, we use the existing interconnecting pipework wherever possible and can provide temporary portable cooling or heating equipment during the downtime.

Tax efficient rental and lease packages can be offered.

<sup>1</sup> HCFCs are hermetically sealed in if any part of the product that contains HCFCs is permanently sealed shut. Most commercial and industrial refrigeration and air conditioning systems are not hermetically sealed.



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If you require any further information or would like a FREE no obligation quote, please complete the following form and email it back to us at [mail@midlandcool.com](mailto:mail@midlandcool.com), or phone us on 0800 440 444.

*I am interested in:*

- Arranging a free site survey for replacing my old air conditioning system(s)
- Service and maintenance for my existing air conditioning system(s)
- Hire or purchase of portable cooling or heating equipment

Name:

Position:

Company:

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Please spare us a little time to tell us where you heard about London Cool. (Indicate as follows).

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