

R22

REFRIGERANT REPLACEMENT



Is time running
out for you?

Just a glimpse of what our clients are saying about us....

Installation....

“From start to finish the whole experience has been well organised and executed in a professional manner. The installation engineers are a credit to the company, they were efficient, clean and tidy and kept us informed of progress each step of the way. We would have no hesitation in recommending S&T to any prospective client of theirs”

Maintenance and repair....

“One of the best companies I have ever used – I have used this company since 2004 and I highly recommend their services – they have increased their work area with our company due to a continuously honest and open working relationship”

“S&T provide an efficient, reliable repair service – often on the same day – staff are always polite and efficient to deal with – a 5 star service”

**Visit our website at
www.scotfordandteasdale.co.uk**

To contact us

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S&T operates from our head office in Wallingford and from satellite offices throughout the Thames Valley and South East.

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About us

Scotford & Teasdale (S&T) is a local, specialist installer of Daikin, Mitsubishi, Toshiba, Hitachi and Fujitsu air-conditioning systems.

In addition, our team of friendly, factory trained engineers maintain virtually all other manufacturers' systems.

S&T are F-Gas registered and all our engineers CRB checked. We carry full public liability insurance so you have complete peace of mind that you are dealing with professionals.

Help and advice

We are happy to discuss any aspect of, or any concerns you may have with regards, your system — in fact , we are just happy to talk air-conditioning all day, every day!

We design and implement a comprehensive planned maintenance programme for each individual client's system so that your air conditioning is maintained in the best possible order.

All programmes are fully documented to assist with your own reporting requirements.

Of course, we appreciate that things do go wrong so we provide a 24 hour breakdown cover service so that any unexpected business interruption is minimised.

What is R22?

R22 is a hydro chlorofluorocarbon (HCFC) which was commonly used in air conditioning systems. However, both new and recycled sources of R22 are banned from January 2015.

When R22 is released into the air, the ultraviolet rays of the sun cause it to decompose and chlorine is released into the atmosphere.

Chlorine reacts with the ozone, reducing its quantity and due to the ozone layer depletion, harmful ultra violet rays reach the surface of the earth giving rise to both health and environmental issues.

In response to this, the international community signed the Montreal Protocol to phase out ozone depleting materials – the European ban commences on 1st January 2015.

How does this affect you?

The impact of the R22 phase out will be felt by any organisation with an existing air conditioning system that uses R22 refrigerant. If you do not choose to take positive action now, the scope of any maintenance and repair work to an R22 system will be significantly limited after 31 December 2013 and may necessitate emergency action.



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The options

There are two main options regarding the ban on R22 – Drop-In Refrigerant or Direct Replacement.

Alternatives to R22 are available, such as R422D and R427A. As the name suggests, these products are “dropped in” as a replacement for the R22. There are, however, significant potential problems with using Drop-In refrigerants and Direct Replacement is, pretty much, the industry recommendation.

There are, essentially, two courses of action regarding R22 air conditioning system replacement – full or part replacement. Full replacement involves the replacement of all air conditioning equipment and component parts.

The alternative is part replacement, where the air conditioning equipment is replaced but the existing pipework is retained.

What should be considered when thinking about replacement?

There are pressures of changing an R22 air conditioning system on any organisation that needs to maintain a conducive working environment. The key to a smooth transition lies with the project management of the removal of the R22 refrigerant and the professional installation or part replacement of an existing system – That’s where Scotford & Teasdale can assist.

The majority of R22 refrigeration units are over one third of the way through their foreseeable life. As existing R22 refrigeration systems begin to require modernisation, the majority of companies are choosing to phase these out rather than go to the expense of needlessly repairing or maintaining them.

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Efficiency

New refrigerant R410A which has a zero ozone depleting potential is also more energy efficient than the R22 refrigerant. In addition to this, due to the significant technological developments of heat pump technology, older forms of air conditioning run less efficiently than the systems available today. Up to a 50% increase in efficiency can be achieved with R410A inverter air conditioning in comparison with older style R22 equipment. Increased efficiency equates to less energy consumption, lower subsequent energy costs and lower CO2 emissions

Tax benefits – Enhanced Capital Allowances (ECA)

The ECA scheme is a key part of the Government’s programme to manage climate change, and is designed to encourage businesses to invest in energy saving equipment that meets published energy saving equipment criteria.

Where Scotford & Teasdale (S&T) can assist

As accredited, experienced professionals, S&T is already partnering a number of clients in managing their R22 issues and planning for timely replacement with minimal business disruption. We appreciate that one size never fits all and take time to understand your needs and deliver the best “within budget” package for you.

We are ideally placed to recommend a strategy for your R22 replacement so don’t hesitate to contact us today on 01491 821733 or e-mail us at sales@scotfordandteasdale.co.uk

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