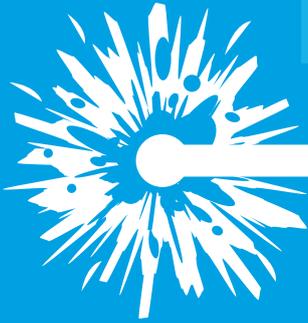


Time is running out...



After 31 December 2014,

**if your R22 air conditioning system breaks down, it cannot be repaired.** This is because it uses a refrigerant gas (R22) that will no longer be available in any form in the UK or Europe for repair or maintenance.

- > Your building could lose all cooling and heating
- > You would face unplanned system replacement costs
- > Occupants will face considerable disruption and discomfort

## There is a solution

Replace your VRV / VRF and split air conditioning systems without the need to replace pipework.

### Keeping your existing pipework means:

- > Less installation time and cost
- > Internal work is minimised, reducing business impact
- > Low disturbance for building occupants

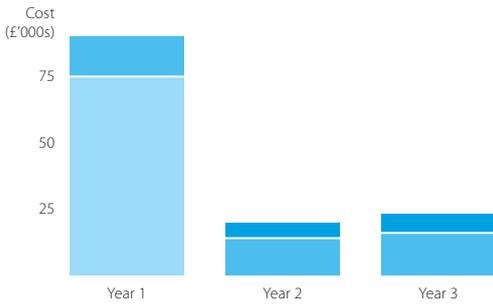
This can reduce the cost of a replacement project by a third or more, providing year on year savings as running costs could be reduced by up to a half when compared to older R22 systems.

## 3 year costs:

If you plan the system replacement

End user expenditure

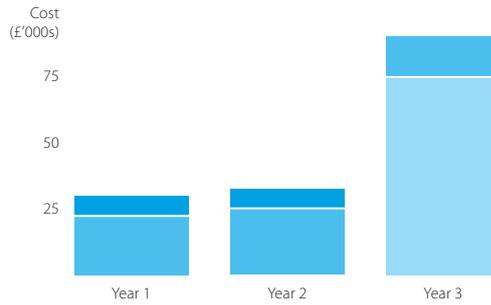
£116,400



If you wait for the system to breakdown

End user expenditure

£140,000



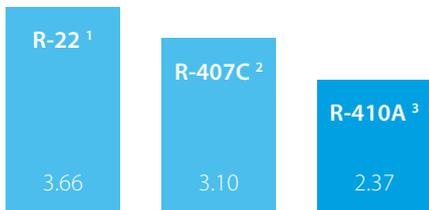
Reduces replacement cost by an estimated

£24,000



35%

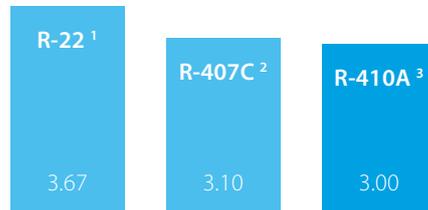
less consumption in cooling mode



Energy consumption (kWh) of a 10HP system in cooling

18%

less consumption in heating mode



Energy consumption (kWh) of a 10HP system in heating

<sup>1</sup> R-22: RSXY-KA7  
<sup>2</sup> R-407C: RSXYP-L7  
<sup>3</sup> R-410A: RQYQ-P

## The Bloomsbury Hotel, London

**The hotel manager estimates that the VRV system uses 55% of the hotel's entire energy, so savings compared with the previous system are between 27% to 42% – an average of 32%, exceeding his original 30% energy savings target.**

At the Bloomsbury, a well-established hotel in the heart of London, the main priority was to maintain and improve customer comfort, reduce any disruption and increase energy efficiencies.

The £1 million project replaced an ageing system using R22 refrigerant with a state-of-the-art Daikin VRV III-Q air conditioning system.

As part of an on-going upgrade programme, The Doyle Collection, owners of The Bloomsbury Hotel, wanted to reduce energy usage and CO<sub>2</sub> emissions by 30%, whilst improving comfort levels for guests by optimising climate control in all the bedrooms, meeting spaces, public spaces, bar and restaurant.

- > New system comprises 56 outdoor units linked to 209 indoor ducted and wall mounted concealed chassis units in the bedrooms.
- > In communal areas, a combination of VRV, splits, wall and floor mounted units were used.

- > Compact and lightweight units could also be installed without using cranes, reducing costs further and avoiding road closures.
- > The system is 40% more efficient in heating and 25% higher in cooling than R22 refrigerant systems.
- > Installed in September 2013, the system saw energy use fall by more than 15,000kW/h by January 2014, compared with the previous year.



Visit [daikin.co.uk/r22](http://daikin.co.uk/r22) to watch video

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