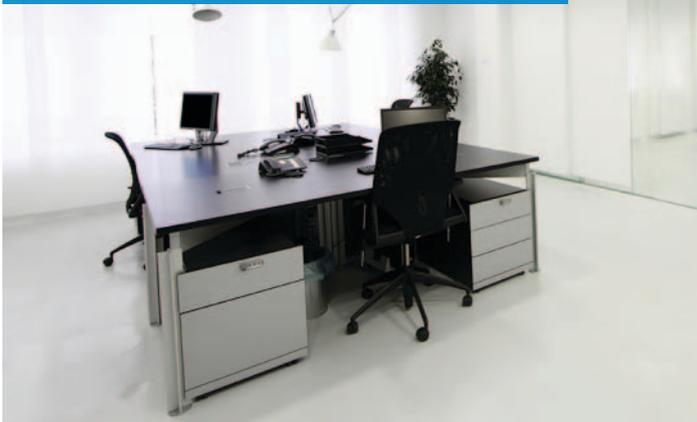




## R22 Refrigerant – A reminder for all



It has been just over twelve months since the ban on virgin R22 came into force.

The higher prices seen within the industry for recycled R22 refrigerant have left many R22 systems increasingly difficult to service and expensive to run. In addition the spare parts are becoming more and more difficult to source.

From 2015, no R22 of any kind will be permitted to be used, even reclaimed R22, which will make servicing of the equipment very difficult indeed. Due to the world wide recession, and closer to home, the UK economy, replacing R22 systems is something that many users have deferred.

Even with the tough market conditions Mitsubishi Electric has seen some of its biggest clients already implement and carry out a phase-out plan to change over their R22 equipment. Results already show that they are benefitting from savings through replacing old, inefficient R22 equipment for modern, inverter driven equivalents.

Through strategic planning, these companies have already identified all of their units that use R22 and then categorised them according to system age or condition. From this data they have been able to formulate a replacement plan fitting their business needs and budgets. We have clients that have saved over 40% in their running costs by removing old R22 units from site and replacing these with modern, inverter driven equivalents.

Today Mitsubishi Electric's modern heat pump systems, either DX Split Systems or Variable Refrigerant Flow (VRF), have improved design and technology compared to systems installed back in the early 2000's. The modern heat pump systems run on R410A and require much less energy to achieve the desired levels of comfort whatever the season. As all the heat pump systems Mitsubishi

Electric now sell are inverter driven there is a substantial saving on electricity costs and CO<sub>2</sub> emissions.

Government schemes are available, such as the Enhanced Capital Allowance (ECA) scheme, to offset some of the costs. Whilst investing capital into more energy-efficient equipment, users can benefit from offset costs and a reduction in running costs.

Another major development of Mitsubishi's modern DX Splits and VRF equipment is 'Replace Technology'. By re-using the existing pipework a switchover from R22 to R410a systems can be completed quickly and with minimal disruption to the premises. Although the suitability of existing pipework for re-use largely depends on a range of factors, the process of using 'Replace Technology' has been very successful over the past five years in Europe and Japan.

We at Mitsubishi Electric take the ban on R22 very seriously and understand it can be a daunting task! As well as offering advice we have put together a range of courses and literature so companies, consultants and contractors can plan the simplest and most cost-effective way to replace old R22 Estates.

If you would like any further information on our full range of 'Replace Technology' units or advice on how we can help implement R22 phase-out in your business, please do not hesitate to contact [mitsubishicorporatesolutions@meuk.mee.com](mailto:mitsubishicorporatesolutions@meuk.mee.com)

### Warning statement on the use of unspecified refrigerant

We will shortly be issuing additional warning notices about the use of alternative refrigerants or 'drop ins'. Never use any refrigerant other than that specified.

Correct refrigerant is specified in the manuals and on the specification labels provided with our products. We cannot be held responsible for mechanical failure, system malfunction, unit breakdown or accidents caused by failure to follow the instructions.