Any questions?

We are happy to provide impartial advice!

Your local Linde contact:

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HCFC phase out!
The countdown is running...
December 31, 2009
HCFC phase out facts.

Under the Montreal protocol, it was agreed that ozone depleting substances including CFCs and HCFCs would be phased out globally.

- The EU regulation 2037/2000 states that existing refrigeration and air conditioning systems can be fitted with virgin (new) HCFC only up to December 31, 2009.
- Common HCFCs include R22, R123, R401A/B, R402A/B, R408A & R409A.
- From then on, until December 31, 2014 only reclaimed or recycled refrigerant can be used.
- From 2015 there is a total ban on filling HCFCs in the EU.

What does that mean to you?

From January 1, 2010, virgin HCFCs will be banned from use. Only reclaimed R22 can be used for service & repair purposes. All R22 plants must be converted in the long term.
Act instead of react. 
Scarcity of reclaimed HCFCs!

It is likely that the only reclaimed HCFC available in commercial quantities will be R22. However, there are no reliable figures on the amount of reclaimed R22 that will be available from 2010, as this will depend on the number of conversions carried out, and purity of product returned.

European producers are already reducing the production of HCFC refrigerants and distributors reducing stock in their supply chains.

Therefore it is expected that virgin products may become scarce before the end of 2009.

Predicted R22 needs in Germany (rest of EU similar). 
Source: DuPont Refrigerants, April 2009.
Convert existing equipment to operate with an HFC refrigerant.
e.g. R404a, DuPont ISCEON® products.

Replace existing equipment and move to a natural (or HFC) refrigerant.

Continue operating the existing R22 facility.
WARNING! Risk of product shortages.

Convert, replace or continue...
What alternatives do I have?

The best decision will depend on a number of factors, including the age, working life, condition, operating costs, refrigerant used & application.

We are happy to provide impartial advice on which option makes sense for your site.

For more information please visit us at: www.linde-gas.com → Products → Refrigerants or contact your local Linde subsidiary.