

Nicholas Cox

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Opportunities and Applications for Hydrocarbons in the Refrigeration Sector

Presented to:

The F Gas/ODS Stakeholders' Meeting BERR London SW1H 0ET



Hydrocarbons

PROPANE

"The Odorless Safety Refrigerant"

PROPANE (Cylig) presences many points of superiority over Ammonia and other rubigerants.

It can be substituted for Ammonia in any compression plant without changing the apparatus.

At stmospheric pressure the boiling point is-490 F.

It is a neutral chemical, consequently no corresive action occurs.

It is neither deleterious nor obscalous and should occasion require, the sugmeer can work in its vapor without incouvenience.



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Stock to Be Carried at the Following Points

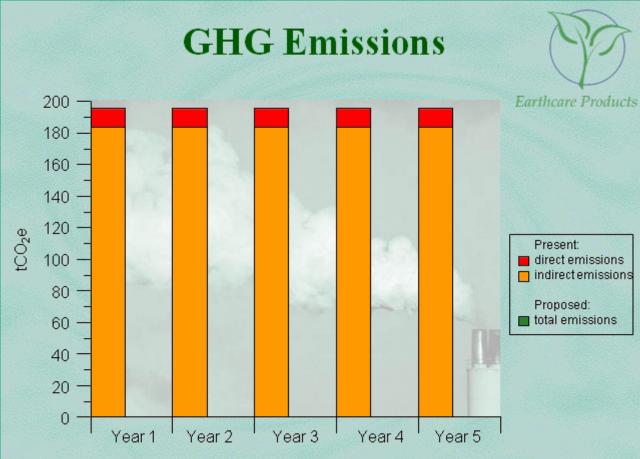
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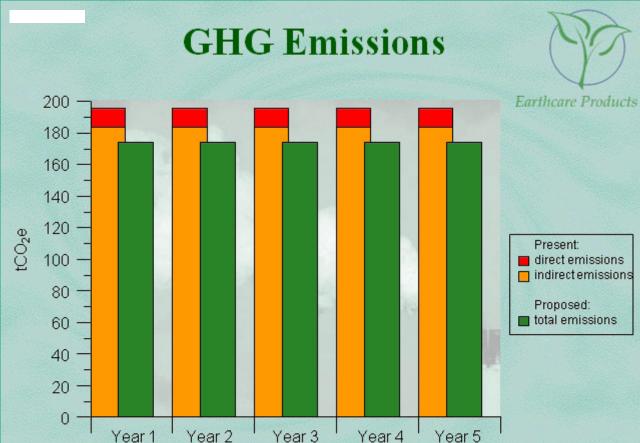


Greenfreeze 1992

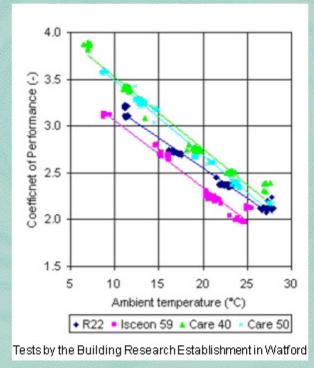






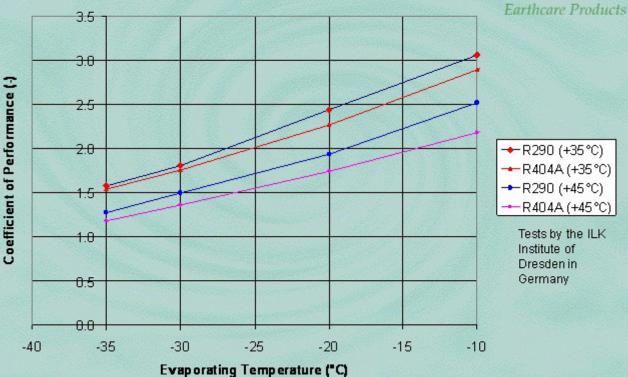






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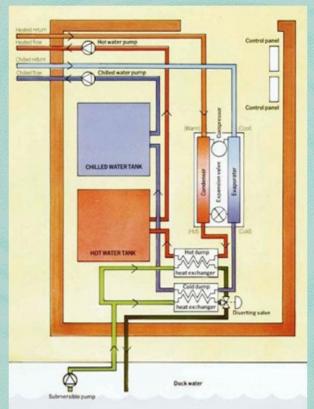


Largest Chiller to date: Church House, Westminster, 650 kW Cooling, 2 x 20Kg R290





Ground Source Heat Pumps



Water-Cooled Integral Refrigeration Cabinets





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PROJECT REPEARING HIGH BER 2000 + 3



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To develop and prove the water-cooled refrigeration content sorough to the stage where contential demonstration can contention.

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Beyond R410A



3 Patented new Refrigerants



•1. ECP410A hydrocarbon blend
•2. ECP717 ammonia blend
•3. ECP744 carbon dioxide blend

EU F – Gas Directive



Earthcare Products

HFC phase out from MACs commencing 2011

The PED...





... & the Great Chinese Takeaway

KALI General Equipment Company Limited 27A, Rubus Plaza, 207, Wushan Road, Guargenou, China.

PED Declaration

We declare under our sole responsibility that the following product.

Air cold chiller

Model Designations:

LACW500S PASRW200S

LACW1000SB PASRW450SB3

Are classified for fluid Group 1 and covered as Category 2 in the PRESSURE EQUIPMENT DIRECTIVE 97/23/EC. With the following requirements:

The products are designed in conformity with Essential Safety Regultements of the PED

The products are to carry CE Mark as they fulfill the following directives:

Electromagnetic Compatibility EMC Low Voltage Electrical Products Machinery Safety 89/336/EEC 73/23/EEC(93/68/EEC amended) 89/392/EEC

Date:30 Aug 2006

周克

Zhou Ke

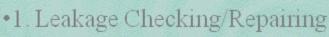
General Manager

Date:30 Aug 2005

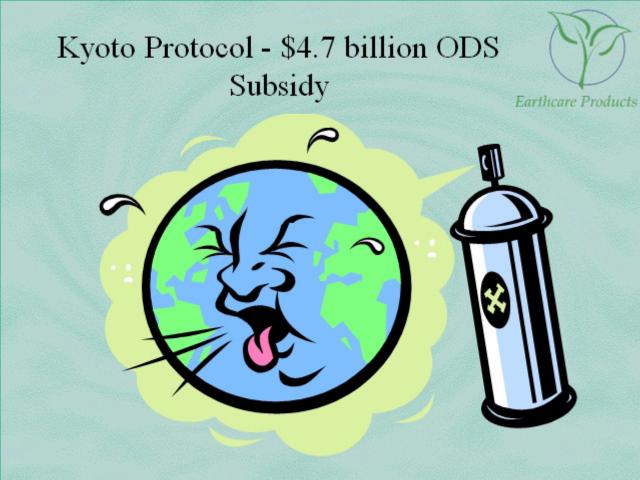
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Zhu Seniin Technical Director

EC Regulation No 842/2006 on Certain Fluorinated Greenhouse Gases



- Leakage Detection Systems
- •3. Record Keeping
- •4. Recovery
- •5. Training And Certification
- •6. Reporting
- •7. Labelling
- •8. Promotion Of Alternatives





Thank You