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Cool-Therm to launch greenest refrigerant solution for Data Centre cooling at DCW 2015

Cool-Therm Ltd is unveiling a new generation of ultra green chillers based on HFO refrigerants at Data Centre World 2015.

The award-winning company believes the latest Turbomiser chillers, which run on a refrigerant called HFO1234ze, offer the best solution to the industry's twin requirement for improved energy efficiency and reduced environmental impact.

Ken Strong, managing director, says: "HFO1234ze has a Global Warming Potential of just 6 compared with 1300 for the common HFC refrigerant R134a. It is effectively 217 times less damaging than today's mainstream refrigerant, making it much more environmentally responsible.

He adds: "When coupled with the inherent energy efficiency of Turbomiser, it offers industry and end users a proven solution, delivering reduced carbon emissions, lower running costs and safeguarding the environment."

Now that the cost of HFO refrigerant had fallen in line with other gases, the company believes it will start to displace sales of equipment based on more harmful gases.

The launch coincides with moves by the European Union to introduce a phase-down in usage of high global warming refrigerants such as HFCs.

Turbomiser is proven technology, with more than 200 installations across the UK in applications as diverse as data centres, hotels, universities, commercial offices and industrial process applications.

Ken Strong said: "Turbomiser has proven its energy and running cost-saving credentials. The latest development harnessing HFO refrigerants offers a

dream ticket, with a combination of proven energy savings, reduced service and maintenance costs and ultra-low Global Warming Potential.”

“With continuing rises in energy prices, pressure to reduce carbon emissions and the legislative threat hanging over HFCs, we believe the HFO-based Turbomiser offers a long term solution for data centre operators that will be hard to ignore.”

Caption: Ken Strong, managing director of Cool-Therm, is championing the use of HFO refrigerants in a new generation of Turbomisers.

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