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ESPEC Announces Joint Venture to research Low-Global-Warming-Potential Alternative for ESPEC Environmental Test Chambers



The Engineering teams of ESPEC CORP. (Japan) and ESPEC NORTH AMERICA INC. (USA) have announced a joint venture into the research and investigation of low GWP refrigerant options to replace higher GWP refrigerants currently used in ESPEC cascade refrigeration systems.

GWP or Global Warming Potential, is a measure of how potentially destructive a climate pollutant is and the need to reduce GWP levels is a challenge for the entire HVAC-R industry (Heating, ventilation, air conditioning and refrigeration).

ESPEC CORP has joined NEDO to access additional high-level resources to support the development efforts. NEDO, (The New Energy and Industrial Technology Development Organization) is a national research and development agency in Japan. The work with NEDO in which ESPEC CORP plays a central role, includes development of a next generation, low GWP refrigerant; advanced refrigeration system technology; and an evaluation method to verify and document system performance and energy savings.

Through this research partnership, ESPEC will deliver an environmentally preferable solution that meets both operational and regulatory requirements. Globally, consumers will benefit from this new technology, which will meet or exceed low GWP requirements, provide superior performance, and deliver high reliability.

About Unitemp

Unitemp Ltd is a specialist environmental engineering company that offers testing equipment for tough environmental conditions, whether they be temperature, humidity, vibration, highly accelerated stress screening, or highly accelerated life test. It is the UK distributor for the world-renowned range of ESPEC environmental test chambers and has a proven track record of integrating modern electronics and control technology with mechanical refurbishment to improve performance

and investment. Unitemp also specialises in the design, installation and commissioning of modular custom environmental rooms. For more information on Unitemp Ltd and its products, please contact Ron Brown on +44 (0)1628 860611.

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