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FOR IMMEDIATE RELEASE

New Vortec White Paper Details Vortex Tube Technology and Uses

Cincinnati, Ohio – A new 5-page, full color White Paper by Vortec discusses the basic operation of vortex tube technology and guides the reader on proper application in many heating and cooling applications. This informative paper details how vortex tubes, with no moving parts, create hot and cold air streams from a compressed air source. Attention is given to proper model selection and adjustment, and discusses how the quality of the compressed air supply and conditions downstream of the vortex tube can positivity or negatively impact the success of the installation. Available online at https://www.vortec.com/technical-bulletins, this new White Paper is ideal for a wide range of industries and applications, including industrial/manufacturing, food, chemical, water, wastewater and other processing environments, oil refining and petrochemical processing, and others.

How Vortex Tubes Work

Vortex Tubes convert compressed air to a low-pressure cold air source to keep electronic enclosures and panel components protected so they can operate precisely. A compressed air stream enters the vortex tube where it spins rapidly, splitting into hot and cold air streams. Most Vortec Enclosure Cooler models are thermostatically controlled to regulate cabinet temperatures within a specified range.

With low initial cost and lower maintenance costs compared to air conditioners, fans, or thermoelectric coolers, Vortex technology is an essential part of many of the hottest and dirtiest industries, including refineries and petrochemical facilities. With trouble-free operation in ambient temperatures up to 175°F (80°C), Vortex coolers prevent costly shutdowns and massive production losses.

Cincinnati-based Vortec is a division of the Fortune 200 firm Illinois Tool Works, and has been recognized as the market leader and innovator of pneumatic products that use compressed air efficiently to solve cooling, cleaning and conveying problems for more than 50 years. In the early 1960's Vortec was the first company to develop technology for converting the vortex tube phenomenon into practical and effective, industrial cooling solutions.

For further information online: https://www.vortec.com/technical-bulletins

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