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Industry's first thermostat-equipped freeze-prevention products provide controlled thawing of diesel engine components – new from Engenity

Incorporating a proven industrial thermostat, DC-powered heating jackets and heated hoses are application-engineered for OEM or after-market equipment applications including emission-controlled engines.

MINNEAPOLIS, Minn., USA – Engenity has announced the industry's first 12V/24V DC thermostat-controlled heating products for thawing and freeze-prevention of diesel engine components on off-road equipment used in harsh environments down to –40 C. The new ThermEvolve™ line includes temperature-controlled heated hoses and heating jackets designed to prevent performance problems due to frozen diesel-engine components, such as CCV filters, PCV filters, fuel filters and DEF lines. The heating solutions are ideal for oil and gas, mining, construction and other demanding cold-weather operations.

“Outdoor operations that depend on diesel-powered equipment all contend with machine downtime and productivity losses caused by frozen diesel-engine components — and the problems are multiplying with today's Tier 3 and 4 emission-controlled engines,” said Kent Hammond, sales director for Engenity. “ThermEvolve temperature-controlled products safely thaw frozen components faster and with lower power consumption than traditional uncontrolled heating approaches.”

The new ThermEvolve products provide users with an all-in-one heater, temperature controller and insulator package engineered to each application's requirements. The products are designed to take components from –50 C to the desired operating temperature in not more than five minutes.

Engenity's heated hoses incorporate virtually any customer-specified hose plus a resistive heater guaranteed suitable for the application, a fast-acting temperature control and EPDM closed-cell foam insulation suitable for operating temperatures up to 150 C. Unlike application-specific heated hose available only in high volumes, ThermEvolve heated hose is economical for equipment owners or aftermarket suppliers whose projects require multiple hose types and low volumes — in hose diameters as small as 6mm and in lengths from 0.3 meters to 10 meters.

Heating jackets from Engenity are also delivered as customer- and application-specific products. Each heating jacket consists of a tailored-to-task electric heating element, a proven temperature control and a form-fitted, closed-cell polyamide foam insulator that can withstand operating temperatures up to 190 C. Engenity's application engineers work with customer specifications and staff to ensure ThermEvolve solutions meet application requirements.



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About Engenity, LLC. Engenity, LLC is a specialist in DC-powered freeze prevention and temperature control for off-road equipment applications. Engenity is a wholly owned subsidiary of Kelsifahr, Inc. For more information, contact Kent Hammond at 612-767-9590 ext. 110 or visit www.enity.com.

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