

FOR IMMEDIATE RELEASE

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**Blackmer® CRL Sliding Vane Pumps Set
The Standard In Severe CO₂ Service Conditions**

Grand Rapids, MI – Blackmer®, a global leader in positive displacement pumps and an operating company within Dover Corporation's Pump Solutions Group (PSG™), announces that—in response to specific requests from major CO₂ marketers for a more durable pump that is capable of handling the higher working pressures found in liquid CO₂ service—it has designed its CRL Series sliding vane pumps to provide maximum performance and reliability under the most severe CO₂ service conditions.

Design criteria inherent in CRL pumps include the ability to easily handle dry, non-lubricating CO₂ at sub-zero temperatures with differential pressures up to 100 psig (6.89 bar) while operating on a continuous 24-hour duty cycle with minimal maintenance and inspection requirements. The CRL is the result of four years of intensive research and development, and more than 30,000 hours of combined laboratory and field testing. The pumps utilize Blackmer's standard-setting sliding-vane design, which offer the best-in-class characteristics of sustained high-level performance, energy efficiency, trouble-free operation and low maintenance costs.

Also setting the CRL pumps apart are the presence of Blackmer's patented cavitation-suppression liner, which has been designed to reduce the noise, vibration and wear that can be caused by entrained vapors. Other features of the CRL Series are replaceable casing liners and end discs, ductile-iron construction, an internal relief valve, mechanical seals, external ball bearings and two-piece threaded lock collars.

CRL pumps are available in 1.25-, 1.5, 2-, 3- and 4-inch port sizes with capacities that range from 5 to 300 gpm (19 to 1,134 lpm) with working pressures up to 500 psig (34.47 bar) and operating temperatures as low as -30°F (-34°C).



For more information on Blackmer® CRL Series Sliding Vane Pumps and all the applications in liquid CO₂ service, contact Tom Stone at stone@blackmer.com or (616) 248-9252, or visit www.blackmer.com.

Blackmer® is the leading global provider of innovative and high-quality rotary vane pump and reciprocating compressor technologies for the transfer of liquids and gasses. For more than a century, the Blackmer name has stood for unparalleled product performance, superior services and support, well-timed innovation and a commitment to total customer satisfaction. Supported by a worldwide network of distributors and original equipment manufacturers, Blackmer pumps and compressors are used in a multitude of applications in the Process, Energy, Transport and Military-Marine markets. Blackmer - headquartered in Grand Rapids, Michigan, USA - is a member of Dover Corporation's Pump Solutions Group (PSG™).

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