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FOR IMMEDIATE RELEASE

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Blackmer® ProVane's Hydrodynamic Journal Bearing Reduces Energy Costs, Improves Efficiencies

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 its ProVane® Motor Speed Vane Pumps are ideal in critical process and transfer applications found within the chemical industry. Due to the Hydrodynamic Journal Bearing feature designed in its ProVane, this Motor Speed Vane Pump reduces shaft/bearing contact and minimizes friction, resulting in higher mechanical efficiency and smart energy cost savings for Chemical manufacturers and distributors.

The Hydrodynamic Journal Bearing—a unique fluid boundary forming principal—eliminates shaft-to-bearing contact within the ProVane by hydroplaning above the bearing surface on a cushion of liquid. In this hydrodynamic condition there is no metal-to-metal contact or wear and bearing life can be indefinite. ProVane pumps are engineered to achieve hydrodynamic mode (full film operation—the point offering the lowest bearing friction and least wear) faster than any other pump in its class to preserve bearing life. It also maintains optimum bearing characteristics even under a wide range of operating conditions within various chemical manufacturing and transfer applications.



The Blackmer ProVane pump does not require a gear reducer, so it offers a compact profile, upfront equipment, installation and energy cost savings, as well as the smaller footprint of a complete pumping unit. The vane technology principles of the ProVane pump ensure superior performance even after significant in-service time, eliminating efficiency-robbing "slip" that may occur with other pump technologies. The ProVane pump delivers performance reliability, reduced preventative maintenance and operating speeds up to 3600 rpm with capacities from 6 to 100 U.S. gallons (379 liters) per minute, in sizes ranging from ¾" to 2". Designed for continuous duty process operations transferring low and medium viscosity liquids, it features self-priming, low shear and superior line stripping results through exceptional suction and lifting capabilities.

For more information on the Blackmer ProVane Motor Speed Vane Pump and its applications across the chemical industry, 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, centrifugal 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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