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## **PRESS RELEASE**

### **FOR IMMEDIATE RELEASE**

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## **BLACKMER INTRODUCES NEW PROVANE™ MOTOR SPEED VANE PUMP LINE FOR SOAP AND DETERGENTS PROCESSING AND BLENDING APPLICATIONS**

**Grand Rapids, MI** – Blackmer’s new ProVane™ Motor Speed Vane Pump line helps improve efficiency and reliability in soap and detergents operations. Designed specifically for reliable continuous duty operation, ProVane™ pumps are well suited for moving oils and fats, high-purity chemicals, acids, and caustics throughout soap batch and continuous processes and in moving concentrated dyes, perfumes, liquid formulas and detergents throughout all facets of the operation.

ProVane™ pumps are available in both ductile iron and stainless steel models and feature a hydrodynamic journal bearing to provide superior seal and bearing life. This design feature also significantly reduces heat build-up and energy loss, resulting in higher mechanical efficiency and energy savings.

Other design features include a patent pending, heavy-duty rotor and shaft to offer high fatigue and bending strength, and self-adjusting vanes to help eliminate efficiency-robbing “slip”. These features provide for reliable volumetric output repeatability to ensure consistent blend purity under a wide range of operating conditions.

The pump offers efficiency at low flow rates and allows for higher operating speeds and pressures on low viscosity fluids compared to other types of PD pumps. The ProVane™ pump is capable of low flow, high head applications on low viscosity fluids where centrifugal pumps can’t run.

ProVane™ pumps offer superior priming and suction capabilities for clearing tanks, stripping lines and pump chambers when making in-line material changes.

The pump line offers operating speeds up to 3,600 rpm with capacities to 100 U.S. gpm, and is available in five sizes ranging from 3/4" to 2". Both the ductile iron and stainless steel models offer self-priming capability and low shear fluid transfer. Neither pump model requires a gear reducer, so each offers upfront equipment, installation and energy cost savings, and a smaller footprint than that of a conventional pumping unit.



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Blackmer's patented Cavitation/Noise Suppression Liner that controls the wear effects of cavitation and reduces noise levels up to 15 dbA is available for both stainless steel and ductile iron pumps.

ProVane™ pumps offer easy maintenance – the pump can be completely rebuilt with piping attached. An optional Relief Valve is available to help protect the pump in a high pressure build-up situation. Capable of holding pressure under variable flow and pressure conditions, the valve offers an additional level of protection for pump operation.

*Blackmer is a global leader in the design and manufacture of high quality flow technologies, including peristaltic hose, eccentric disc and rotary vane positive displacement pumps, centrifugal pumps, screw compressors, air elimination systems and sliding vane and reciprocating compressors for the transfer of liquid and gas products. Blackmer pumps and compressors are used worldwide in a variety of industries including LPG, Chemical and Industrial Processing, Energy, Food & Sanitary, Military/Marine and the Mobile Transport industries. Blackmer is part of Dover Corporation (NYSE:DOV).*

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