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PRESS RELEASE

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Blackmer SMVP Pumps Provide Seal-Less, Mag-Drive Design Advantages In Paint & Coatings Liquid Transfer Applications

Grand Rapids, MI – Blackmer, the global leader in the design and manufacture of positive displacement rotary vane pump technologies, has designed its SMVP Series “Seal-less” Sliding Vane Pumps to offer the “best of ALL worlds” when it comes to handling the hard-to-seal hazardous liquids that are inherent in the Paint and Coatings industry.



The movement of solvents is one of the key components of paint and coatings manufacture. These solvents, which are volatile and oftentimes combustible liquids, release volatile organic compounds (VOCs) and hazardous air pollutants (HAPs) to the atmosphere when they evaporate, making them a serious environmental concern and ensuring that their containment is a high priority for paint and coatings manufacturers. To effectively handle the characteristics of these liquids, the design of SMVP pumps combine the energy-efficiency and life-cycle advantages of Blackmer’s sliding-vane technology with a seal-less magnetic coupling that offers zero shaft leakage when dealing with volatile solvents. Because of this design, the SMVP provides the best available technology for controlling VOC releases from hazardous/toxic fluids, making it ideal for use with solvents where leakage and VOC release cannot be tolerated.

Blackmer’s SMVP Series pumps are available in six models: SMVP15, SMVP30, SMVP50, SMVP100, SMVP200 and SMVP300. Flow rates range from 4 to 333 U.S. gpm (15 to 1,260 lpm) with an operating temperature range of -40°F to 200°F (-40°C to 96°C) and viscosity range up to 5,250 cP (25,000 ssu). Environmental concerns, workplace safety, EPA requirements, and local government agency regulations may make the SMVP the “Best Available Control Technology” (BACT) for certain solvents. SMVP pumps offer the best combined characteristics of sustained high-level performance, energy efficiency, trouble-free operation and low maintenance cost.

The SMVP seal-less pump models have a unique bearing and head design that allows a small quantity of pumpage to circulate through the containment can and bearing surfaces. This positive flow of fluid minimizes temperature rise for maximum bearing life. Seal-less pump models are also equipped with samarium-cobalt magnets as standard construction. This rare earth material prevents permanent magnet degradation if adverse operating or “break-free” conditions occur.

For more information about Blackmer SMVP “Seal-less” Sliding Vane Pumps, please contact Jim Becker at (616) 475-9390 or becker@blackmer.com.

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 the Dover Corporation.

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