

Abaque™ Series Peristaltic (Hose) Pumps Ideal Solution for Toughest Mining Applications

Durable, rugged design optimizes the safe and efficient handling of abrasive fluids

Oakbrook Terrace, IL, USA – April 20, 2016 — **PSG®**, a Dover company and a global leader in the manufacture of pumps, systems and related flow-control solutions, is pleased to announce that new models of its Abaque™ Series Peristaltic (Hose) Pumps have been specifically designed to meet the challenging requirements of the mining industry, thanks in part to its stronger and more durable rotor design and patented hose holding system.

Featuring a seal-less design that eliminates leaks and product contamination, Abaque pumps are ideally suited for a wide variety of mining applications, including wastewater, slurry transfer, thickener underflow, recirculation, reagent dosing, froth flotation, cyanide processing and filter press. With no moving parts that come into contact with the product and the ability to handle slurries that contain up to 80% solids with ease, Abaque pumps offer significant advantages over competitive pumps. These self-priming pumps can run in forward or reverse and offer suction-lift capabilities to 25.5 feet (9 meters), as well as the ability to run dry without adversely affecting performance, pressure and accuracy (no slip). Abaque pumps are constructed of ductile iron and stainless steel, allowing higher discharge pressure to 217 psi (15 bar).



The Abaque Series' pumping action is achieved by compression of a circular loop of elastomeric hose with two diametrically opposed rotating shoes. This rotational motion forces the fluid in the hose to move ahead of each shoe. When each shoe reaches the end of the loop, the reinforced hose immediately returns to its original shape, ensuring suction and priming, creating a strong vacuum pulling more fluid inside. This results in a pump that features higher performance, lower water consumption, reduced downtime, lower maintenance costs, increased reliability and the ability to handle the toughest pumping challenges, including extremely abrasive and aggressive fluids.

The hoses are available in natural rubber (highly resilient with excellent abrasion resistance and strength), Buna-N (highly wear resistant to oily products), EPDM (high chemical resistance when handling concentrated acids, alcohols and ketones) and Hypalon® (resistant to chemicals, temperature extremes and ultraviolet light). Abaque pumps are available in 13 different sizes, with flow rates ranging from 15 to 77,000 L/hr (.07 to 339 gpm).

For more about Abaque Series Peristaltic (Hose) Pumps in the EMEA and South American markets, please visit mouvex.com. For the North American market, please visit neptune1.com. For more information on PSG, please visit psgdover.com.

About PSG®:

PSG®, a Dover company, is a global leader in the manufacture of pumps, systems and related flow-control solutions for the safe and efficient movement, measurement and control of the most critical and valuable materials within targeted global growth markets. The company's products are manufactured on three continents - North America, Europe and Asia - in state-of-the-art facilities that practice lean manufacturing and are ISO-certified. PSG proudly employs 1,400 team members in 19 global locations and supports more than 1,700 channel partners in more than 100 countries. For additional information on PSG, please go to psgdover.com.

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