

Allweiler to exhibit All-Optiflow and Alldur at IFAT

(Bottrop) Allweiler GmbH will exhibit its new All-Optiflow pump series at the IFAT 2012 trade fair in Munich, Germany. These new progressing cavity pumps are designed for use in waste handling, wastewater treatment, and paper manufacturing, among other applications. All-Optiflow progressing cavity pumps generate pressure of up to 6 bar (87 psi) to move virtually any type of liquid (even with fibrous and solid materials) efficiently and reliably. Their capacity can be up to twice as high as conventional pumps. In addition to the All-Optiflow pumps, Allweiler will also focus on Alldur stators at the trade fair. Alldur is a new, highly wear resistant stator material that is ideal for use in sewage treatment plants.

With their high power density, All-Optiflow pumps reduce energy consumption by up to 15% compared to conventional progressing cavity pumps. Stub shaft diameter is approximately 30% smaller than conventional pumps, reducing friction by nearly 50%. In conjunction with special wear-resistant materials, these characteristics significantly reduce maintenance costs. The All-Optiflow series employs a variety of innovative design details that reduce energy consumption as well as costs for maintenance and spare parts. Examples include redesigned pumping elements with higher power density, low-friction rotors and shaft seals, and stators with a special surface.

Allweiler has also spent decades optimizing the standardization of structural components, such as a patented stub shaft connection and a lifetime-lubricated joint. As a result, pump operators can move virtually any liquid with very economical investment costs and operating expenses. The stator surface exhibits a honeycomb structure. Combined with the patented "shark-skin" rotors, the results are low starting and operating forces for greater efficiency and constant performance curves during operation.

Visitors to IFAT 2012 will also have a chance to see related Alldur stators. Alldur was specially developed for use in sewage treatment plants and for pumping abrasive wastewater. The elastomer's new chemical composition and Allweiler's processing methods increase service life by up to three times.

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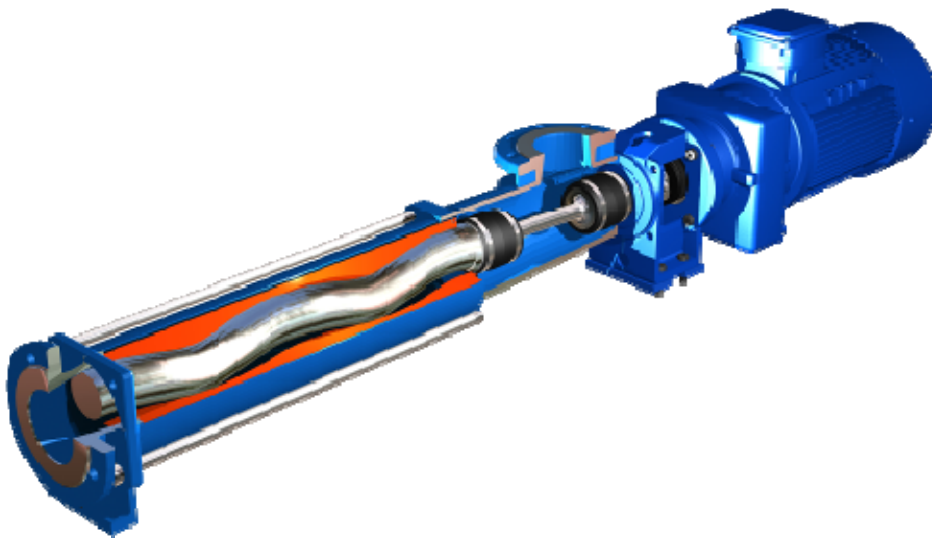


Image caption:

With a maximum capacity of 3800 l/min, "All-Optiflow" can handle all types of industrial processes. It pumps liquids with viscosity up to 300,000 mm²/sec with a maximum pressure of 6 bar. The pumps' advanced design, materials, and special surfaces significantly reduce expenses for energy and maintenance compared to conventional progressing cavity pumps. The optional Alldur stators can stay in service for up to three times longer.

Image: Allweiler GmbH

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