

For Immediate Release

Highly Efficient Submersible Motor Pumps for a Broad Range of Applications

As KSB continues to produce superior technology to **#ConquerTheClog** in wastewater pumping applications, it will unveil the New Generation Amarex KRT submersible pump, designed with next generation impellers for the wastewater market. Visit WEFTEC Booth #4351 for a demonstration of this new technology.

This pump type is used for handling all kinds of municipal and industrial wastewater. Its maximum flow rate is 44,380 gpm per hour and its highest head 394 ft. With 1140 hp, it offers the highest motor power available on the market as standard.

The development engineers at KSB's Halle, Germany have not only improved the operating reliability of the proven wastewater hydraulic systems, but they have also increased the pump's hydraulic efficiency. The impellers' free passages comply with the applicable standard. To offer as broad a range of applications as possible, the new submersible motor pumps are available with four different improved impeller types.

With regard to low electricity consumption, electric drives of modern submersible motor pumps also play a key role. This is why operators are also offered a range of high-efficiency motors. Depending on their system's load profile, they can choose a highly efficient motor variant, which corresponds to the IE3 efficiency level for standardized motors in accordance with the IEC-60034-30 standard. Such motors are particularly interesting for powerful pumps with a high start-up frequency. Two bi-directional mechanical seals reliably protect the motor space against ingress of water.

A chamber filled with environmentally friendly oil ensures cooling and lubrication of the mechanical seals even when gas-laden fluids have to be pumped. Generously dimensioned ball bearings sealed for life support the stainless steel shaft. Special focus was placed on the design of the cable gland. Individual conductors stripped, soldered and sealed in resin ensure that the cable gland is watertight to prevent water ingress into motor. Even in the event of damage to the cable sheath or the insulation, the pump is protected against short circuits, thanks to the superior design.

For more information, please contact **Sherry Heinly**. KSB, Inc. North America/Oceania Region Marketing Manager | Tel: (804) 565-8353 | Cell: (804) 252-3764 | sheinly@ksbusa.com

Photo: The new Amarex KRT submersible motor pumps from KSB have been designed for low life cycle costs. (© KSB)