A New Range of Double Volute Twin Screw Pumps from Klaus Union

Klaus Union is well known as one of the world’s leading manufacturers of magnet driven and conventionally sealed centrifugal pumps.

Since 2013, Klaus Union’s product portfolio is complemented with a range of rotary positive displacement pumps. The new Twin Screw Pump Series DSP is designed to handle high or low viscous products, corrosive or neutral, clean or contaminated as well as lubricating and non-lubricating products. They are self-priming and handle the pumped products with low pulsation.

Klaus Union’s DSP Series pumps are available in three pressure ranges up to a maximum differential pressure of 100 bar and a maximum flow rate of 5000 m³/h. As a result of the double volute design the pumps are hydraulically balanced without thrust loads. The screws are made from single piece bar stock and the special screw profile offers considerable power savings over conventional designs. The torque is transmitted from the drive shaft to the idler shaft by easy-to-adjust herringbone gears. The screws are carried in heavy duty roller bearings designed for a L10 life of more than 25000 h. Mechanical seals which are exposed to suction pressure only, are installed in all pumps. The DSP Series pump casings and casing inserts are cast in the company’s own foundry and subject to an extensive quality control program. All relevant national and international standards have been considered with the design of the pumps. Beside pumps for liquids, multiphase pumping systems with a gas handling capability of 97 % or higher are available.

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