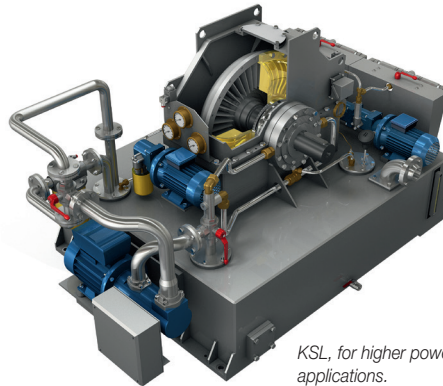


High speed hydraulic couplings

Italian industrial transmission specialist Transfluid has launched two new lines of variable, high-speed hydraulic couplings, the KSL-HS and the KPTB-HS.

Capable of input speeds of 3,600rpm, Transfluid says the HS family of couplings has already been used in the power, steel, paper, cement, chemical and petrochemical industries, in applications such as boiler feed pumps, fans, blowers, pumps and compressors.

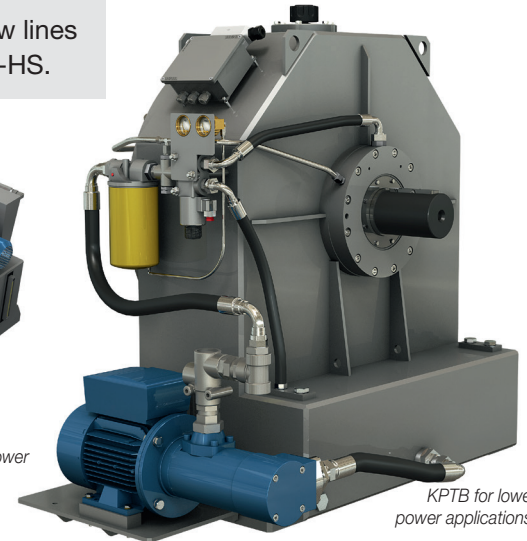
Transfluid says its new couplings “combine a simple design with the high efficiency of a hydraulic coupling to provide an optimal solution for centrifugal machine design and offer advantages compared to the traditional scoop tube system.” The company’s control flow system is self-adjusting, since the draining of oil from the calibrated orifices depends on the rotation speed of the outer impeller which is directly connected to the driven machine. This allows the coupling to stabilize its speed in the presence of load variations without the need for corrective actions and ‘loop’ control.



KSL, for higher power applications.

In addition, Transfluid says the system: eliminates the stationary element, the scoop, and hydrodynamic resistance in the working circuit; operates in forward and reverse; and has all key accessories mounted externally.

The KPTB-HS is for medium to low power applications, while the KSL-HS is for medium to high power applications.



KPTB for lower power applications.

Both units can be purchased with an optional auxiliary lubrication system that supplies oil to the motor and driven machine bearings.

Transfluid Australia is based at Smithfield in NSW. ■

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