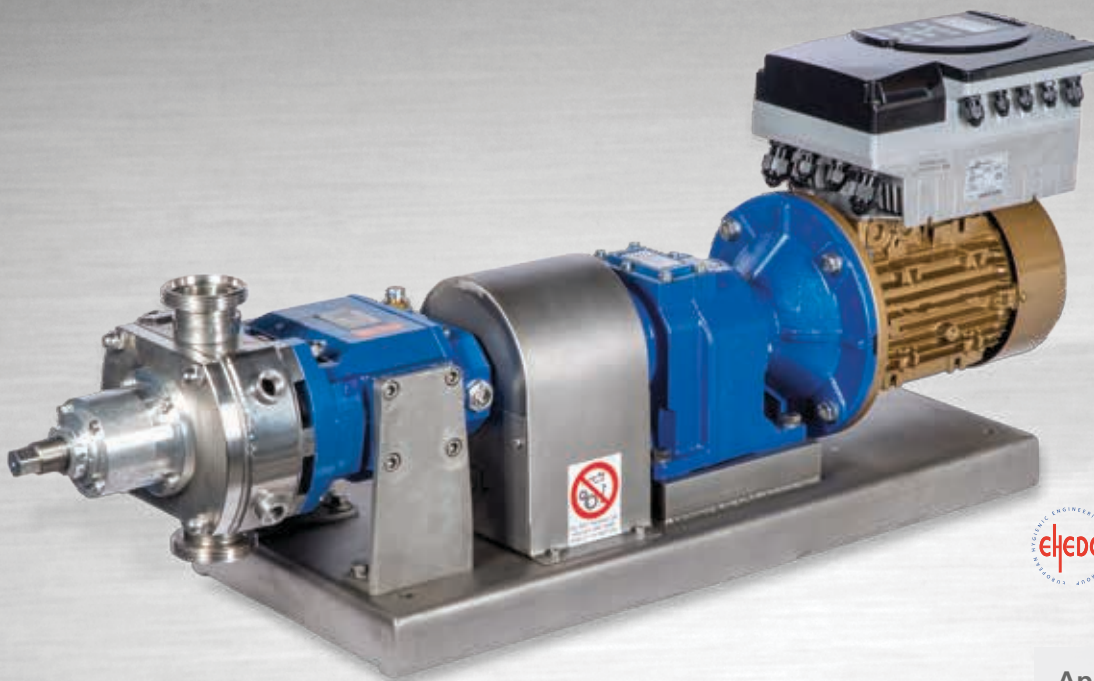


► Our technology. Your success.

Pumps • Valves • Service



Vitalobe® – Rotary Lobe Pump for Sterile Applications



Applications:

Hygienic and sterile handling of fluids in the food, beverage and pharmaceutical industries

More information:

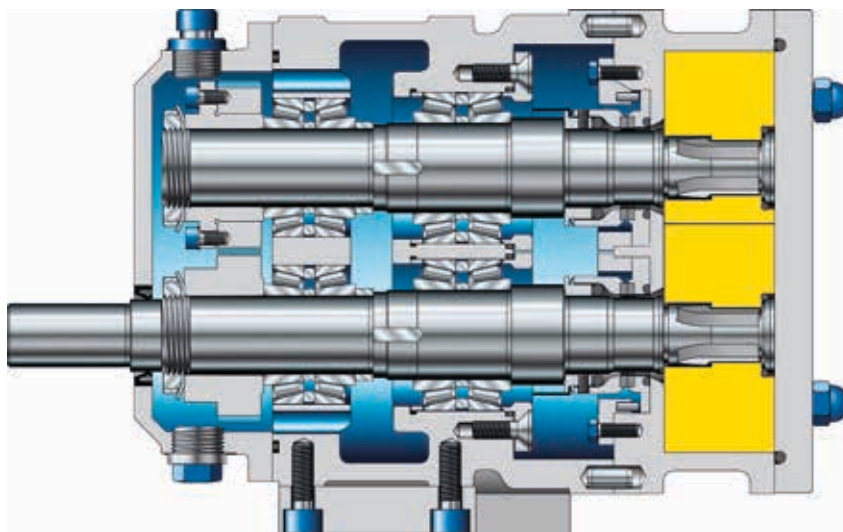
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Vitalobe® with PumpDrive variable speed system and KSB SuPremE® motor



Vitalobe® in standard design

Vitalobe® – Rotary Lobe Pump for Sterile Applications



Suitable for hygienic applications

- Rotors and casing cover fastened without gaps and specially designed shaft seal ensure excellent CIP/SIP.
- Pump casing separated from bearing bracket to avoid contamination of the fluid handled.

Flexibel

- Connections may be positioned horizontally or vertically.
- Bi-directional flow possible.
- Different rotor types matched to the respective fluid to be handled.
- Different process connections available.

Robust and reliable

- Solid pressure-retaining and moving components.
- Drive shaft supported on two spherical roller bearings and gear unit ensuring fully synchronised running of shafts make for long service life and avoid rubbing contact of rotors.

Adaptable

Thanks to the heatable casing, double mechanical seal, removal of residues and safety pressure relief valve the pump can be adapted to any application.

Energy-efficient

- Variable speed operation in combination with KSB PumpDrive.
- When used in combination with the KSB SuPremE® motor, the pump achieves efficiency level IE4 to IEC/CD 60034-30 Ed. 2.

Materials

All wetted components	Chrome nickel molybdenum steel DIN 1.4404 / 1.4409 (AISI 316 L / CF3M) On request: Hastelloy C276, titanium, EPDM or NBR coated (rotors only), „anti-seizure“ alloy (rotors only)
Bearing bracket and gear housing	Grey cast iron, powder-coated or nickel-plated, Stainless steel ASTM CF8

Technical data

	17 pump sizes
Flow rate	Up to 5,700 l/min (342 m³/h)
Head	Up to 200 m
Operating pressure	Up to 20 bar
Fluid temperature	-40 to +180 °C
Viscosity	Up to 200,000 mPas
Volume displaced	Up to 11.4 l per revolution



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