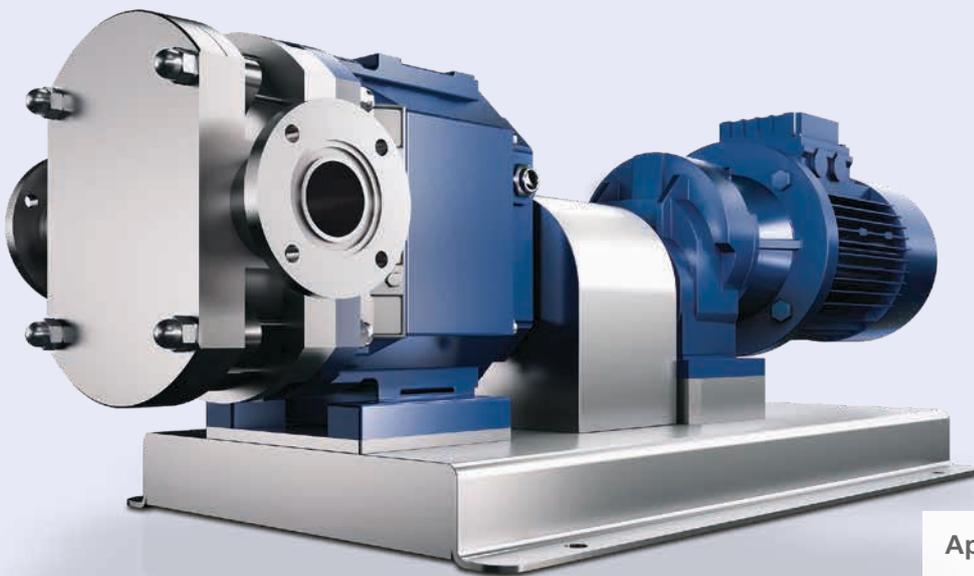


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## Vitalobe® – Rotary Lobe Pump for Sterile Applications



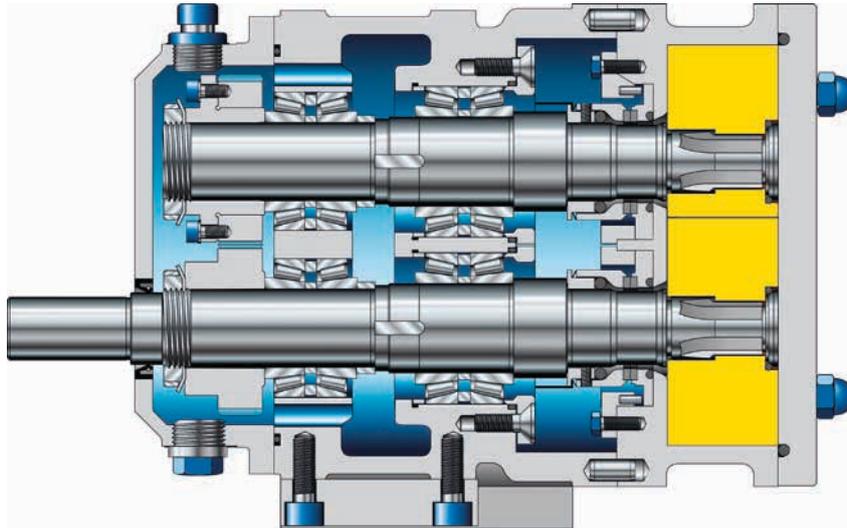
### Applications:

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

### More information:

[www.ksb.com/products](http://www.ksb.com/products)

# 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 tapered 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.

## 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), stainless steel sliding 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 m <sup>3</sup> /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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