



ZEILFELDER
PUMPEN

HIGH PERFORMANCE PUMPS



Rotary Lobe/ Gear Pumps

Up to:

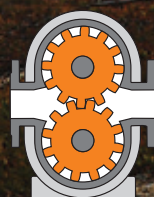
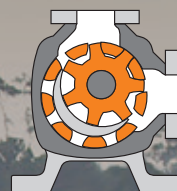
120 bar

450°C

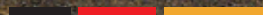
η =**92%**

3,400,000 mPas

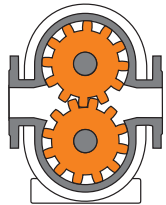
API, TA-Luft,
ATEX and TR CU
certifications



made in Germany



GEAR PUMPS



PRESSURE
UP TO 120 bar

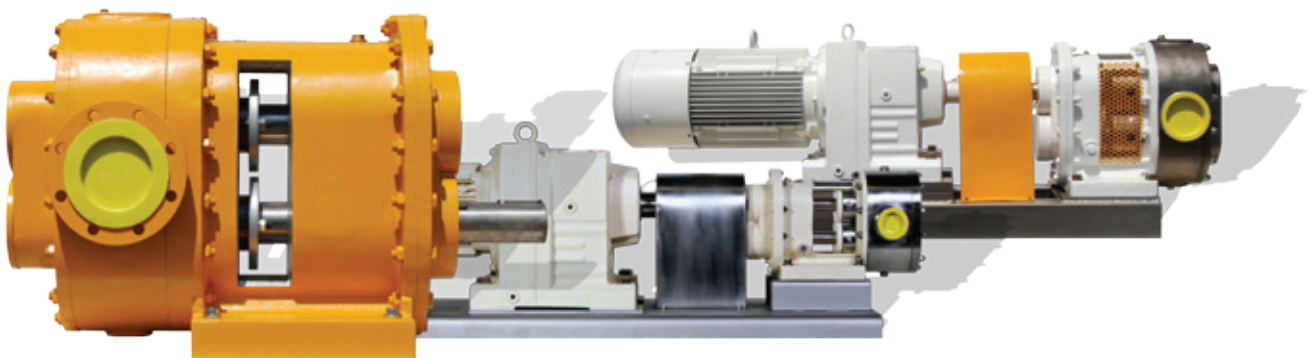
VISCOSITY
UP TO 150,000 mPas

FLOW RATES
UP TO 5000 l/min
(300 m³/h)

SUCTION LIFT
UP TO 6 m

TEMPERATURE
-60 TO 450°C

ROTARY LOBE PUMPS



PRESSURE
UP TO 64 bar

VISCOSITY
UP TO 3,400,000 mPas

FLOW RATES
UP TO 5,000 l/min
(300 m³/h)

SUCTION LIFT
UP TO 8 m

TEMPERATURE
-60 TO 450°C

POSITIVE DISPLACEMENT PUMPS

Zeilfelder pumps work by using two rotating elements, unmeshing at the suction side of the pump, to create a vacuum that fills the spaces created between the elements and the suction casing. These spaces then transport the fluid along the outer casing to the discharge side where the gears re-mesh and discharge the fluid.

Positive displacement pumps are designed to handle large changes in pressure, viscosity and flow rate and are often used for highly viscous liquids with large percentages of solids.

EXTERNAL GEAR PUMPS

are self-priming, non-pulsating and reversible pumps that work best on clean, lubricating fluids with a viscosity thicker than water. Two gear teeth, one idler and one driver, mesh together to transfer the liquid.

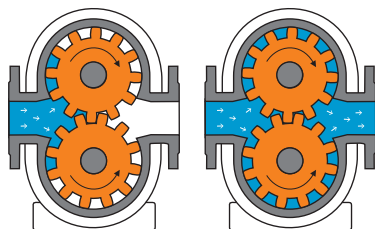
Because of the balanced construction and bearings on both sides of the shafts, the pumps are capable of non-pulsating flow and high pressures.

INNER GEAR PUMPS

are self-priming, non-pulsating and reversible pumps that work best on clean, lubricating fluids with a viscosity thicker than water. Two gear teeth, one idler and one driver, mesh together around a crescent divider to transfer the liquid.

Because of the simple one shaft construction, inner gear pumps are less expensive than comparable pumps and are very easy to maintain.

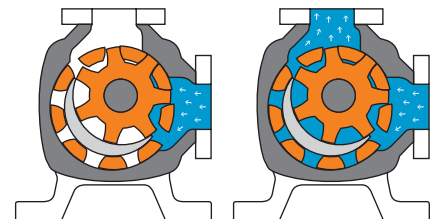
SERIES ZK BLUE ZH/ZV BLUE PQ GREEN



OVERVIEW

- For standard to high end applications
- ZK and ZH/ZV Blue available in all materials
- PQ Green available in cast iron and stainless steel

SERIES ZI GREEN



OVERVIEW

- For standard applications
- Available in cast iron and stainless steel

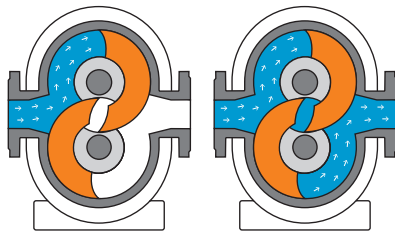
“CUSTOM SOLUTIONS FOR EXTREME APPLICATIONS”

ROTARY LOBE PUMPS

are self-priming, dry-run capable and reversible pumps designed for highly viscous liquids containing solid particles. Two non-contacting rotary lobes work together to transfer the liquid, while the shafts are driven by timing gears outside the process liquid.

Because of the very large internal cavities, rotary lobe pumps are able to handle extremely viscous liquids and large abrasive particles.

SERIES KE/KD BLUE KS/KDS BLUE



OVERVIEW

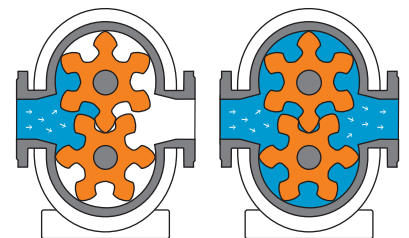
- For high end applications
- Available in all materials

MULTI-WING PUMPS

are a combination of gear and rotary lobe pumps designed for highly viscous liquids containing small solid particles. Two non-contacting lobes, consisting of multiple wings, work together to transfer the liquid, while the shafts are driven by timing gears outside the process liquid.

Because of the large number of lobes, multi-wing pumps are self-priming, dry-run capable and reversible pumps capable of handling extremely viscous liquids and small abrasive particles.

SERIES KM BLUE



OVERVIEW

- For standard to high end applications
- Available in all materials



**ZEILFELDER
PUMPEN**

A BRAND OF
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DIMATEC**



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ASM DIMATEC reserves the right to make changes at any time without prior notification.

Represented by:

