

## KRAL Screw Pumps – Overview.



**KRAL selfpriming, low pulsation screw pumps offer high capacity in a compact design.**



## **Professional customer care.**

KRAL has produced screw pumps since 1950.

With such a wealth of focused experience, we can provide the best pump solutions in the industry.

Our certified QA-system, according to EN ISO 9001:2000, guarantees the highest quality and consistency.



## **Our speciality – Custom solutions.**

KRAL designs and manufactures all of their screw pump products. This allows for fast and easy customization to meet each customer's unique needs.



## **Application range.**

KRAL screw pumps are used to deliver lubricating, non-abrasive and chemically inert liquids.

### **Typical applications include:**

- ☐ Marine, as feed and circulation pumps for fuels and lubricants.
- ☐ Mechanical engineering, as lubricant and coolant pumps for gears, engines, turbines and hydraulic systems.
- ☐ Oil burner technology, as ring line and transfer pumps.
- ☐ Plastics processing, especially polyurethane applications.



## **Manufacturing quality.**

Reliability and long-term operation proves the quality of KRAL screw pumps. Our special surface treatment guarantees problem-free performance. We achieve a high level of operational reliability by selecting optimum materials and tailoring them to your needs. Finally, we certify every pump with a performance test at the factory prior to shipment.

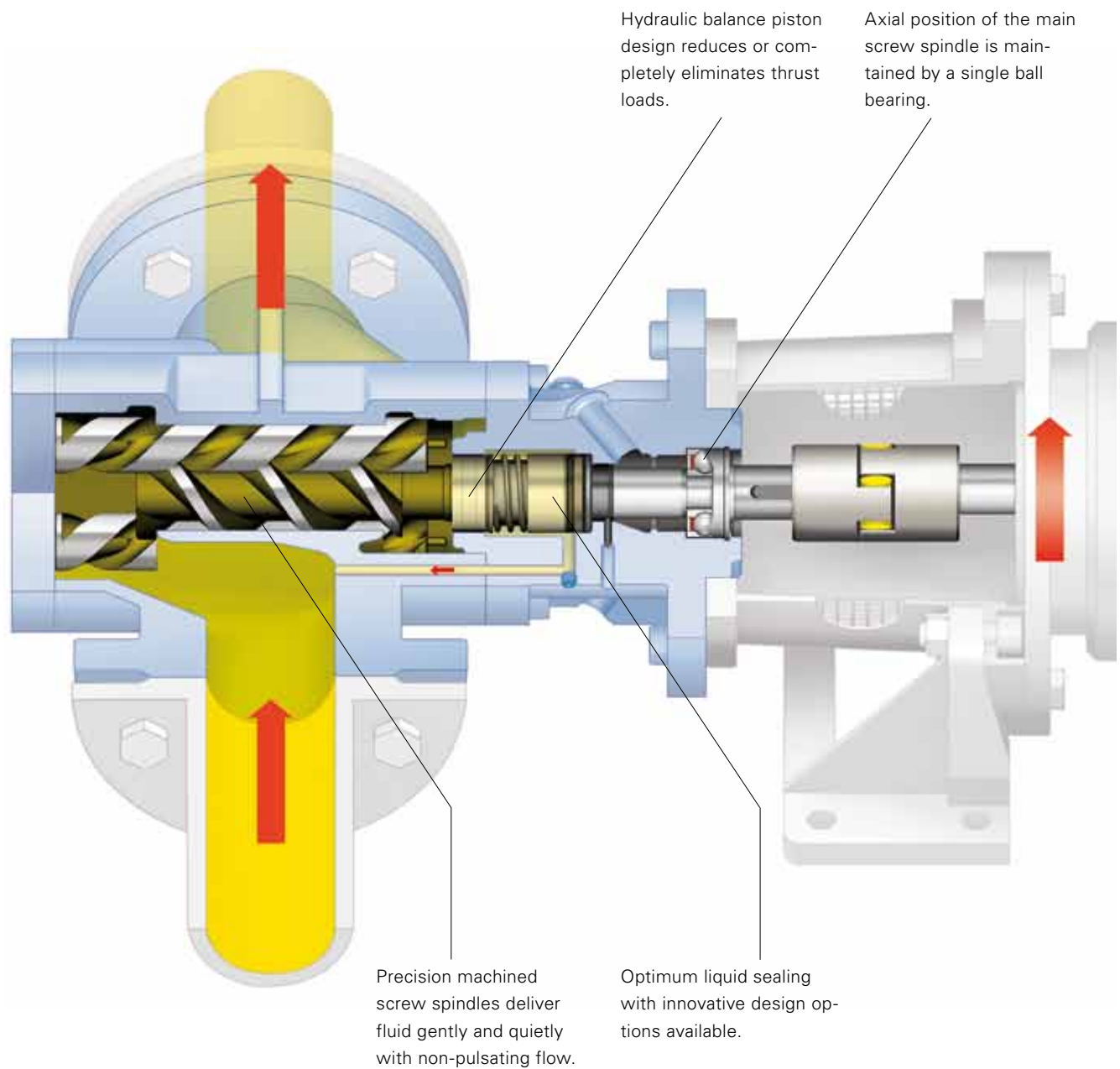


## **Worldwide service.**

KRAL is represented through partners worldwide. These partners supply quality KRAL parts and service where and when you need them.

For the benefit of our customers, we keep on stock all common parts to ensure quick response to your needs.

## KRAL screw pumps - The reliable system.



## **KRAL screw pumps - Innovative and reliable solutions in the details.**

### **Pump selection tailored to your requirements.**

The long history of KRAL in the manufacture and application of screw pumps assures that the most cost effective and reliable pump and materials are selected for your service conditions.

A conservative safety factor is considered in the calculation of all pumps offered.

### **Seal design options.**

The KRAL AG offers innovative sealing solutions. Proven designs incorporating lip seal, mechanical seal and hermetically sealed magnetic drive technologies are available as standard.

### **Gentle handling of piping and liquid.**

Liquid is delivered in a smooth, non pulsating continuous flow. Low noise and vibration are additional beneficial characteristics of the KRAL design, even at high speed operation.

### **Powerful and compact.**

KRAL screw pumps are self-priming positive displacement pumps. The operating principle of the pump permits high revolutions and pressures. These are the reasons for the small and compact design.



### **Axial-thrust compensation.**

The hydraulic balance piston design acts to reduce or completely eliminate thrust loads, even at high differential operating pressures.

## KRAL screw pumps - Overview.



Selection from series K and DL/DS.

Series.	DL/DS	W	DKC	DMC	DKB	M	CK	CL	CG	K
<b>Delivery</b> (l/min) max.	170	240	280	280	280	440	880	990	1.800	2.900
<b>Pressure</b> (bar)	6	120	16	40	16	40	70	100	100	16
<b>Temperature</b> (°C)	-20 to 180	-20 to 250	-20 to 250	-20 to 250	-20 to 250	-20 to 250	-40 to 150	-40 to 250	-40 to 250	-20 to 250
<b>Viscosity</b> (mm <sup>2</sup> /s)* max.	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000

\* Consult factory for other values.

Please ask for the individual product brochures for further details.



# KRAL

