

## **KWP** – Pump in Back Pull-out Design for Solids-laden Fluids



### **Applications:**

- Chemical and process industry
- Food and beverage industry
- Paper and cellulose industry
- Flue gas desulphurization and coal upgrading plants
- Industrial effluent treatment systems
- Seawater and desalination industry

**For more information, visit:**  
[ksb.us.com](http://ksb.us.com)

KWP DN 40 - 350

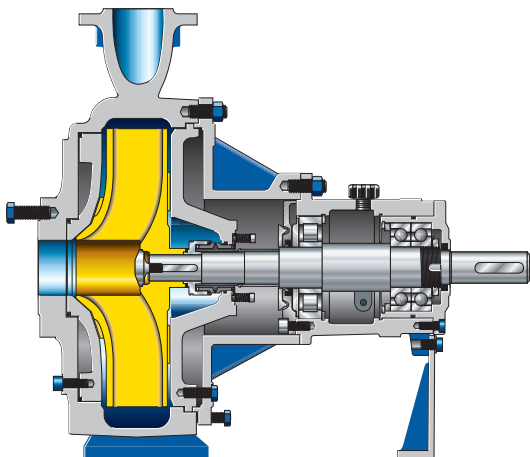


KWP DN 400 - 600

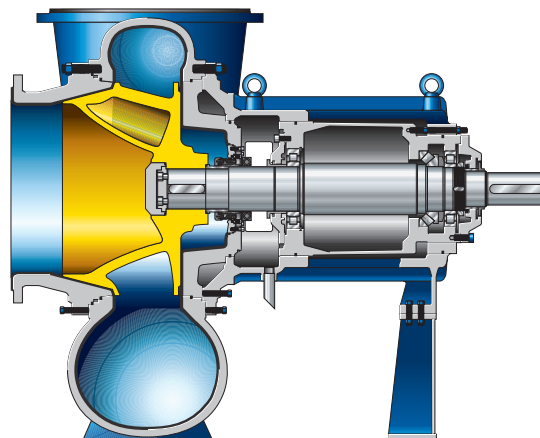


KWP DN 600 - 900

# KWP – Pump in Back Pull-out Design for Solids-laden Fluids



KWP DN 40 - 350



KWP DN 400 - 900

- 1 Reliable**
  - Reinforced bearing bracket for a long bearing life.
  - Mechanical seal installed in conical seal chamber for maximum seal life even with solids-laden fluids.
- 2 Flexible**
  - Various impeller types to suit a wide variety of applications, also for handling solids-laden and gaseous fluids.
  - Extensive selection chart and choice of materials.
- 3 Robust design**
  - Wear and corrosion resistant materials.
  - High-quality single-piece volute casing for high rigidity and space-saving installation.
  - Front vanes and diagonal gap reduce wear.
- 4 Cost-efficient and easy to service**
  - Adjustable bearing bracket for an optimized suction-side clearance enables high efficiencies (up to 92%) and longer service life.
  - Back pull-out design.
  - Modular design system reduces spare parts stocks.
  - Long oil change intervals: up to 8,000 hours.

## Impeller types available



K impeller

O impeller

F impeller

R impeller

## Materials

Cast iron	Ductile iron
NiMo-alloyed cast iron	CeramikPolySiC®
NORIHARD® NH 15 3	NORILOY® NL 25 2
NORIDUR® 1.4593	NORICROM® 1.4475
NORIDUR® 1.4593 DAS	NORICLOR® 1.4573

® Registered trademarks of KSB: Cast polymer concrete and high-alloyed cast steel – with extraordinary corrosion and wear resistance.

## Shaft Seal

Gland packing  
Single mechanical seal  
Double mechanical seal  
Cartridge seal

available in various designs

## Technical data

Pump size	ASME 1½ to 36 in.
Flow rate	Up to 66,000 gpm
Discharge head	Up to 328 ft.
Fluid temperature	Up to 284° F
Pump discharge pressure	Up to 150 psi

<sup>1)</sup>Higher values available on request



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