

Fields of Application For handling all kinds of pulps not liable to plait, as well as stock suspensions up to 5 % bone dry.

This pump is used in the chemical and process engineering industries, paper and pulp industries, sugar, food and beverages industries, in flue gas desulphurisation and coal upgrading and in the treatment of industrial effluents.

#### Design

Horizontal, radially split volute casing pump in back pull-out design, with impeller adapted to meet application requirements, single-flow, single-stage.

#### **Special Features**

- Reinforced, axially adjustable bearing assembly on all pumps
- Shaft seal: mechanical seal integrated into the casing cover, or gland packing
- Even cast iron pumps are supplied with pump internals (impeller and wear plate) made of wear-resistant ERN (nickel cast iron)

# Designation



- K = channel-type impeller
- = open multi-vane impeller 0
- F = free-flow impeller

#### **Operating Data**

		Standard sizes Su	pplementary sizes					
Pump sizes	DN	40 up to 250	up to 800					
Capacity	Q	up to 1300 m <sup>3</sup> /h	11000 m <sup>3</sup> /h					
Head	Н	up to 100 m	80 m					
Operating pressure	р	up to 10 bar						
Operating temperature t								
for H		from -10 to +120 °C						
for GN, GH, GC <sub>2</sub>		from -10 to +200 °C						
for C <sub>2</sub>		from -40 to +280 °C						

#### Certification

Certified quality management ISO 9001.

### **Materials**

Part	Description	Material variant							
No.		GN	C <sub>2</sub>	GC <sub>2</sub>	Н	GH			
101	Pump casing	JL1040 <sup>1)</sup>	Noridur 1.4593	JL1040 <sup>1)</sup>	Norihard <sup>2)</sup>	JL1040 <sup>1)</sup>			
135.01	Wear plate, suction side	ERN	Noridur 1.4593	ERN	Norihard	Norihard			
162	Suction cover	JL1040 <sup>1)</sup>	Noridur 1.4593	JL1040 <sup>1)</sup>	Norihard	Norihard			
163	Discharge cover	JL1040 <sup>1)</sup>	Noridur 1.4593	JL1040 <sup>1)</sup>	Norihard	Norihard			
210	Shaft	C45+N	C45+N	C45+N	C45+N	C45+N			
230	Impeller	ERN	Noridur 1.4593	Noridur 1.4593	Norihard	Norihard			
330	Bearing bracket	JL1040 <sup>1)</sup>	JL1040 <sup>1)</sup>	JL1040 <sup>1)</sup>	JL1040 <sup>1)</sup>	JL1040 <sup>1)</sup>			
344	Bearing bracket lantern	JL1040 <sup>1)</sup>	JL1040 <sup>1)</sup>	JL1040 <sup>1)</sup>	JL1040 <sup>1)</sup>	JL1040 <sup>1)</sup>			
451.01	Stuffing box housing	-	Noridur 1.4593	JL1040 <sup>1)</sup>	JL1040 <sup>1)3)</sup>	JL1040 <sup>1)3)</sup>			
524.01	Shaft protecting sleeve (packing)	1.4122 HV500	1.4539	1.4122 HV500	1.4122 HV500	1.4122 HV500			
524.01	Shaft protecting sleeve (mech. seal)	1.4539	1.4539	1.4539	1.4539	1.4539			
906	Impeller screw	C22+N	Noridur 1.4593	C22+N	C22+N	C22+N			

1) GJL-250 to EN 1561

2) without auxiliary connection holes (pressure gauge connection and casing drain)

3) together with NORIHARD discharge cover



#### KWP

# KSB **b.**

# **Selection Charts KWPK**



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KSB b





