

Fields of Application

KWP-Bloc are used to handle contaminated, solids-laden liquids, pretreated sewage, industrial and municipal waste water as well as all kinds of pulps not liable to plait.

Other application fields are sewage and process engineering, general industry and plant engineering.

Application limits: temperature +100 °C, density ≤ 1.1 kg/dm³.

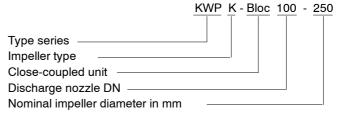
Design

Horizontal, radially split volute casing pump in close-coupled design with standardized motor, design B5, single-flow, not floodable, not self-priming, with stub shaft, with channel-type impeller and suction-side wear plate.

Certification

Certified quality management ISO 9001.

Designation



Impeller types:

K = channel-type impeller

O = open multi-vane impeller

F = free-flow impeller

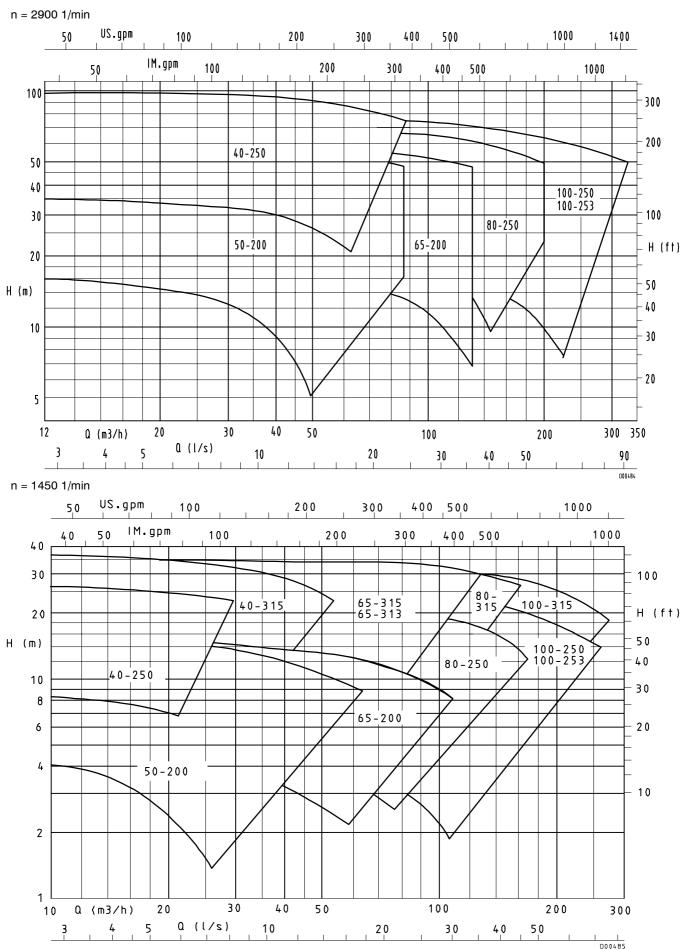
Operating Data

Pump sizes	DN	I	from 40 to 100
Capacity	Q		up to 325 m ³ /h (90 l/s)
Head	Н		up to 100 m
Motor rating	Ρ		from 1.1 to 22 kW
Operating pressure	р		up to 10 bar
Operating temp.	t	GN, GC ₂	from -10 to +100 °C
		C ₂	from -20 to +100 $^\circ$ C



Selection Charts KWPK

KSB **b**





Pressure and Temperature Limits

Operating pressure	p _{max} :
Operating temp.	t _{max} :

10 bar for GN, GC₂: for C₂:

from -10 to +100°C from -20 to +100°C

Materials

Possible Variants

KWP-Bloc is available in the following materials:

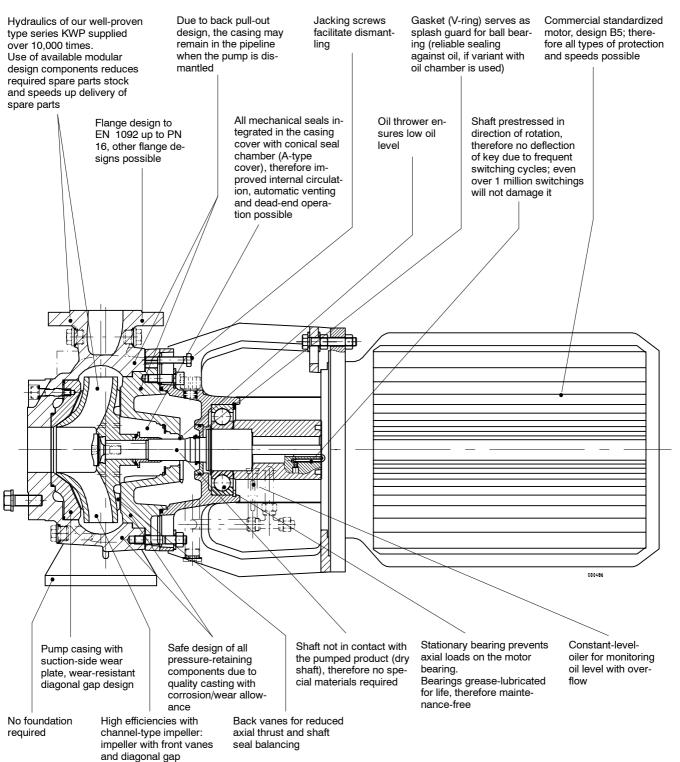
Material variant	Casing material	Internals
C ₂	Noridur 1.4593	with impeller and wear plate made of Noridur 1.4593
GN	JL 1040 ¹⁾	with impeller and wear plate made of ERN
GC ₂	JL 1040 ¹⁾	with impeller made of Noridur 1.4593 and wear plate made of ERN

Table of Materials

Part No.	Description	Material variant	Material variant		
		GN	C ₂	GC ₂	
101	Pump casing	JL 1040 ¹⁾	Noridur 1.4593	JL 1040 ¹⁾	
135.01	Wear plate, suction side	ERN	Noridur 1.4593	ERN	
146	Intermediate lantern	JL 1040 ¹⁾	JL 1040 ¹⁾	JL 1040 ¹⁾	
163	Discharge cover	JL 1040 ¹⁾	Noridur 1.4593	JL 1040 ¹⁾	
210	Shaft	1.4021+QT700	1.4462	1.4021+QT700	
230	Impeller	ERN	Noridur 1.4593	Noridur 1.4593	
509	Intermediate ring		JL 1040 ¹⁾		
524.01	Shaft protecting sleeve	1.4539	1.4539	1.4539	
906	Impeller screw	C22+N	1.4539	C22+N	

1) GJL-250 to EN 1561

Benefits at a Glance





15.10.2006