VERSA® PUMP

Open Impeller - centrifugal pump





VZE Series

For clean and solids-containing media

Fields of application

- Pulp production
- Recycled fibre preparation
- Papermaking
- Chemical industry
- Food industry
- Energy supply
- Water supply
- Waste water treatment
- Dewatering
- Drainage



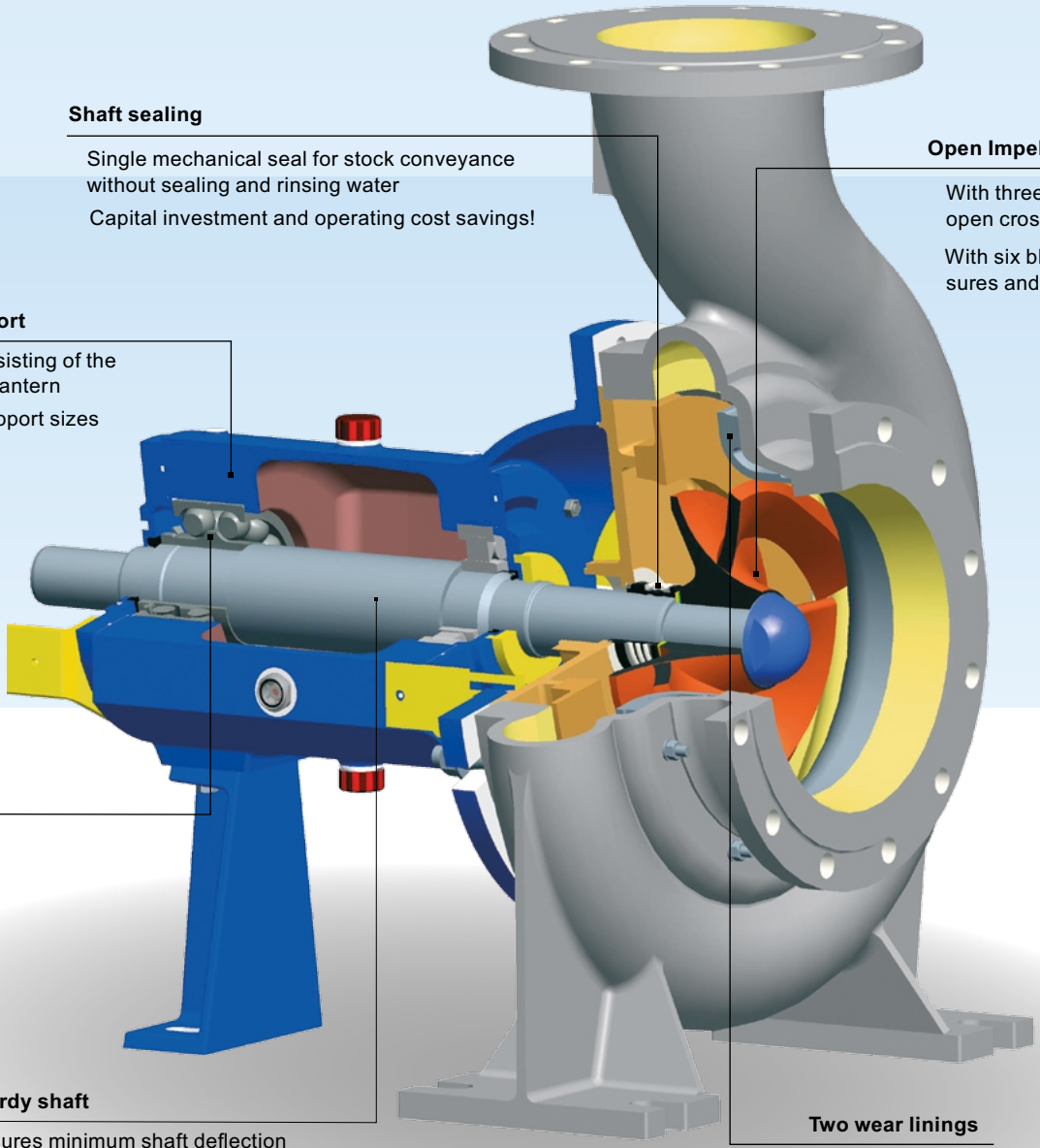
The facts

- Flow rates
  up to 4000 m³/h
- Heads up to 140 m
- Casing pressure
  up to 16 bar
- Temperature up to 140°C
- Consistency up to 6%



Proven open-impeller design

The open-impeller design of the VERSA centrifugal pumps VZE series is characterized by low axial thrust. With its open channels, it is suitable for conveying many different media.



Shaft sealing

Single mechanical seal for stock conveyance without sealing and rinsing water

Capital investment and operating cost savings!

Open Impeller

With three blades for a large open cross section

With six blades for high pressures and low pulsations

Sturdy bearing support

A single casting consisting of the bearing casing and lantern

Only five bearing support sizes for the entire series

Oversized bearings

Long service life!

Sturdy shaft

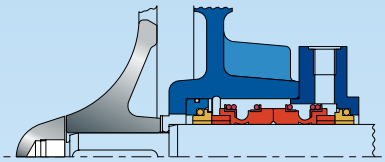
Ensures minimum shaft deflection and low mechanical vibration!

Two wear linings

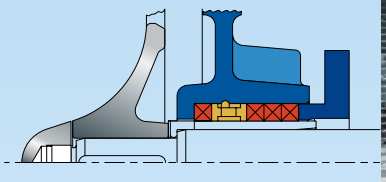
To protect the pump casing and casing cover!

Modular sealing system

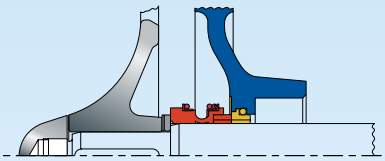
Easy adaptation to changed conditions at low cost:



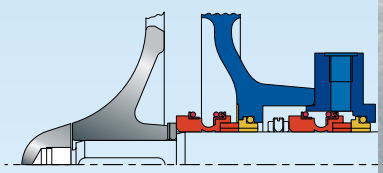
Back-to-back mechanical seal



Stuffing box gland

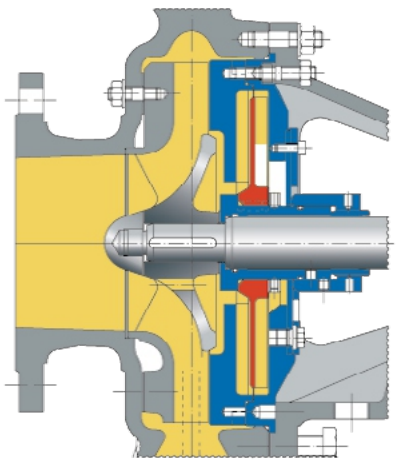


Single mechanical seal



Tandem mechanical seal

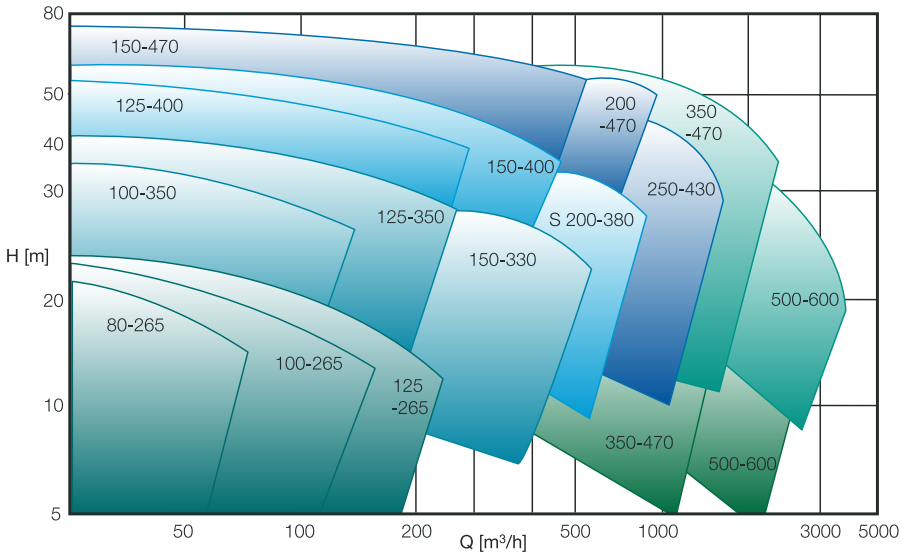




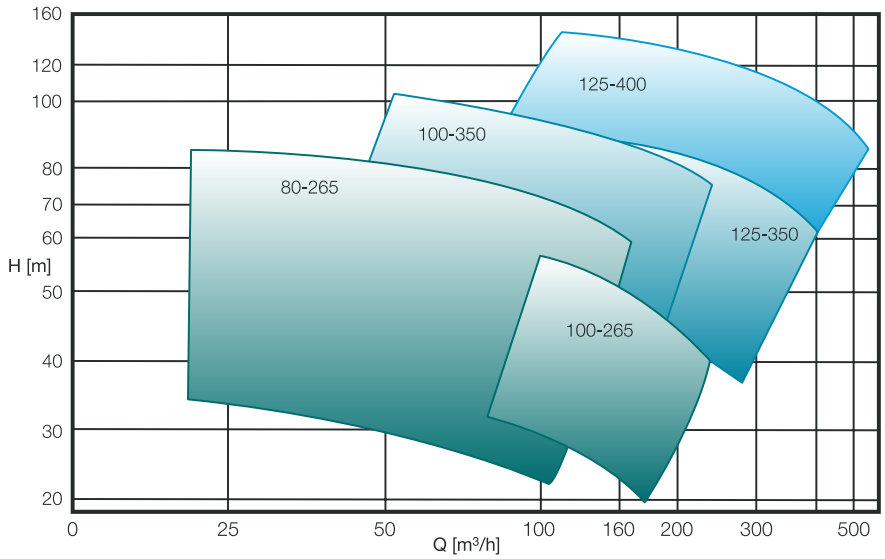
Cartridge-type dynamic seal,
all parts made of stainless,
acid-proof steel

Characteristic curves

Characteristic curve 1500 rpm



Characteristic curve 3000 rpm



Material combinations

VZE series	EN-GJL 250	1.4460	1.4021	1.4462	1.4517	1.4517 h	1.4404	1.4439	1.4468
Impeller		■			■				
Casing/casing cover	■	■							
Bearing housing	■								■
Front and rear lining		■				■			
Stuffing box body	■	■							
Shaft			■	■			■	■	

European standard		US standard	
Number	Name	Grade	UNS
EN-JL1040	EN-GJL 250	Class 40B	/
1.4460	X3CrNiMoN27-5-2	Grade 1A	J93370
1.4021	X20Cr13	420	S42000
1.4462	X2CrNiMoN22-5-3	S32205	S32205
1.4517	GX2CrNiMoCuN25-6-3-3	Grade 1C	J93373
1.4517 hardened	GX2CrNiMoCuN25-6-3-3	Grade 1C	J93373