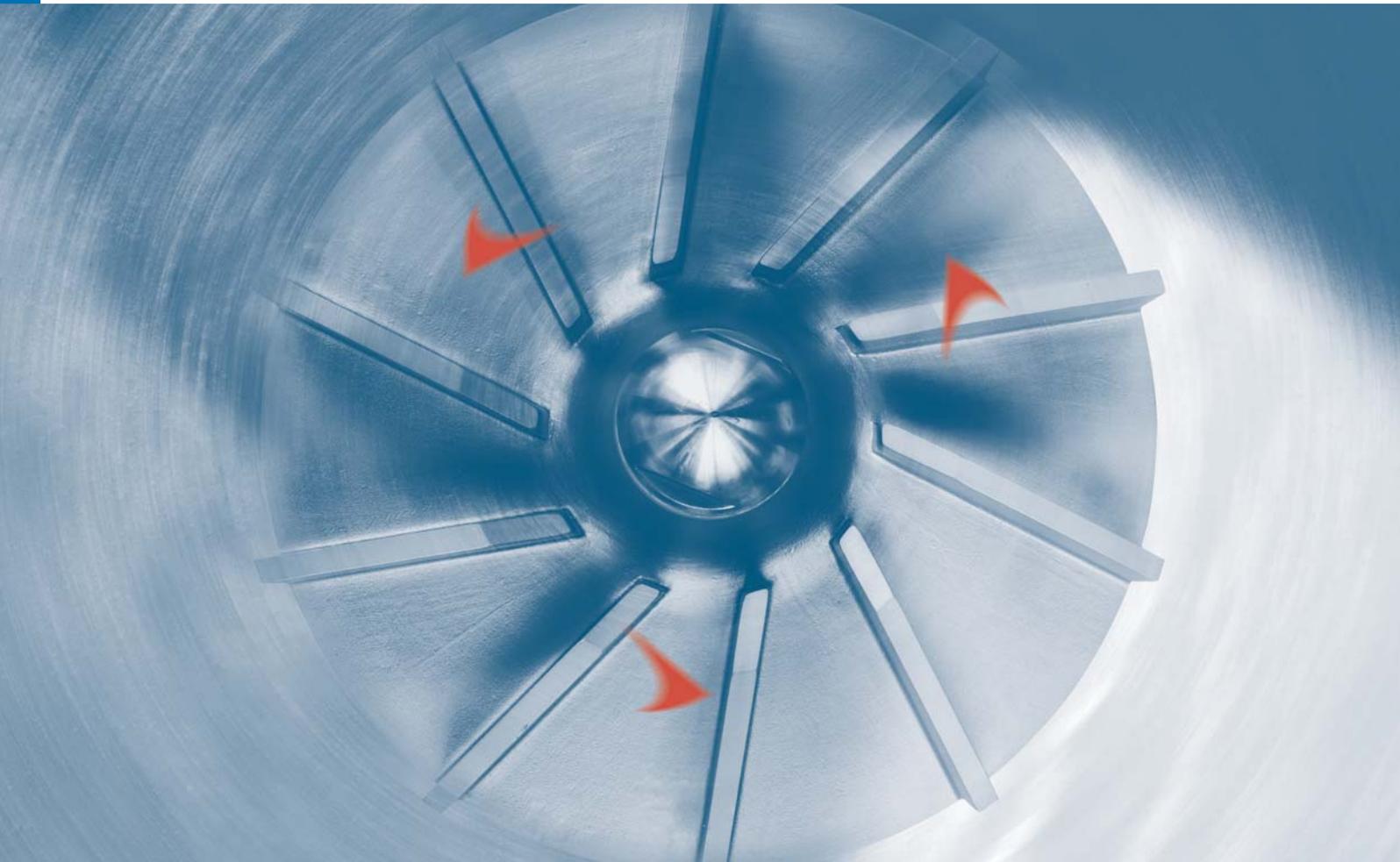


# ANDRITZ Free-Flow Pump

## VP/CP Series



# For the most demanding conveyance tasks

For over 100 years, ANDRITZ has been a byword for competence and innovation in the design of Centrifugal Pumps.

ANDRITZ VP/CP Series Free-Flow Pumps are advancements of our proven pump technology. The CP Series is characterized by an exceptionally large open cross section and open channel in the spiral casing. Both pump types fulfil high expectations regarding efficiency, life cycle, maintenance friendliness and economic efficiency.

All pump parts are manufactured according to the highest quality standards in our ISO certified workshops. The superior quality of our products derives from compliance with these stringent requirements.



## The facts:

- Flow rates up to 1.500 m<sup>3</sup>/h
- Heads up to 75 m
- Nominal pressure up to 16 bar
- Temperature up to 120°C
- Free passage up to 140 mm

## Technology to convince you

The high standard of our centrifugal pumps from the VP/CP Series stems from our long-term experience in hydraulic machine design and comprehensive process know-how.

## Safe and reliable operation

Conveyance of coarse media requires special measures in terms of design and materials used. ANDRITZ has developed the VP/CP free-flow pump series especially for these applications. The use of pump components from our modular system ensures high availability of spares!



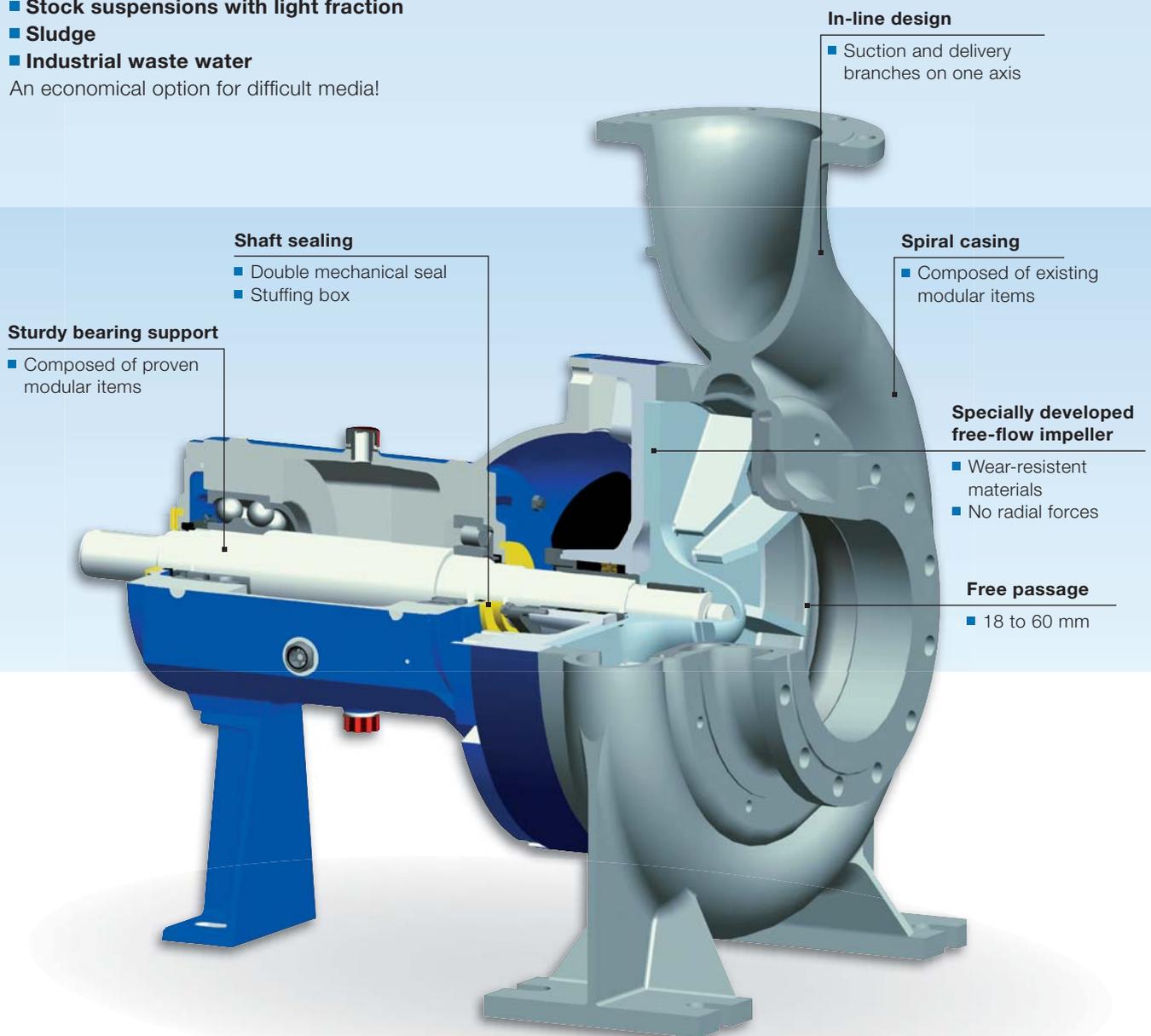
## VP Series

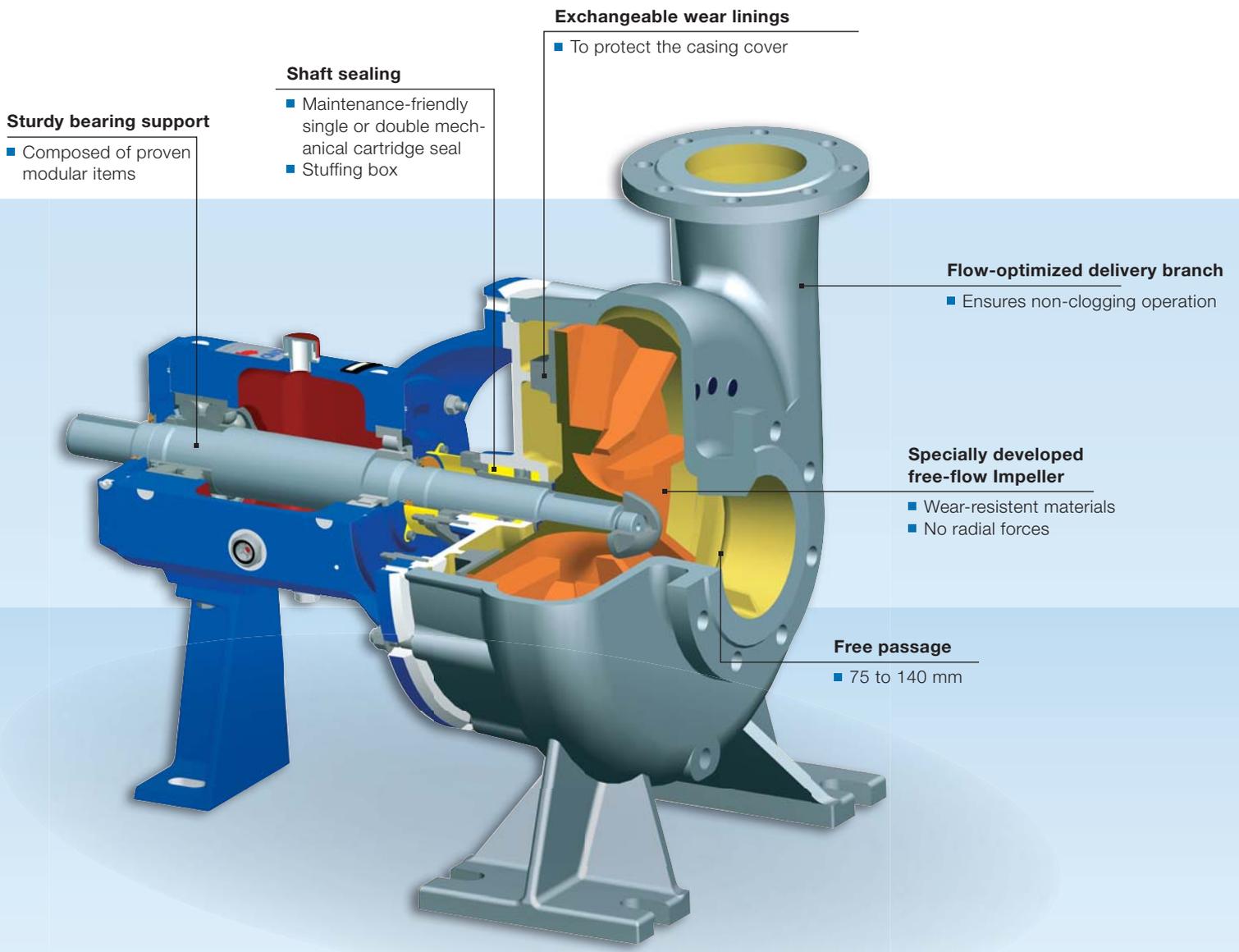
for suspensions with up to 60 mm particle size

### Fields of application:

- Suspensions, slurries
- Media with high air content
- Stock suspensions with light fraction
- Sludge
- Industrial waste water

An economical option for difficult media!





## CP Series

for suspensions with up to 140 mm particle size

### Fields of application:

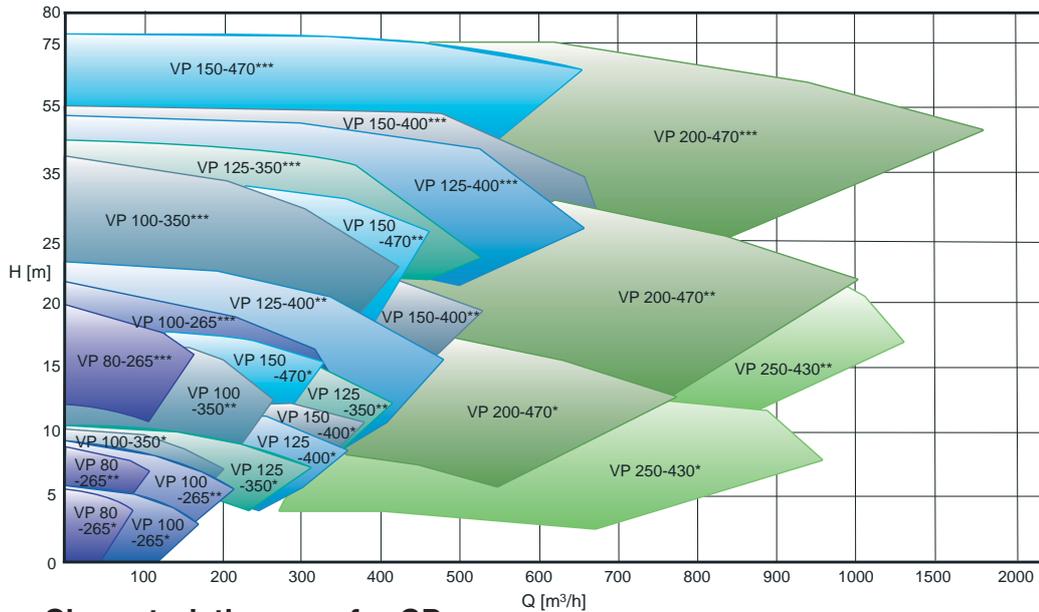
- Wood chips
- Municipal waste water
- Extremely abrasive media
- Slurries containing large particles
- Very long fibres

Suitable for very rough conditions without having to compromise!

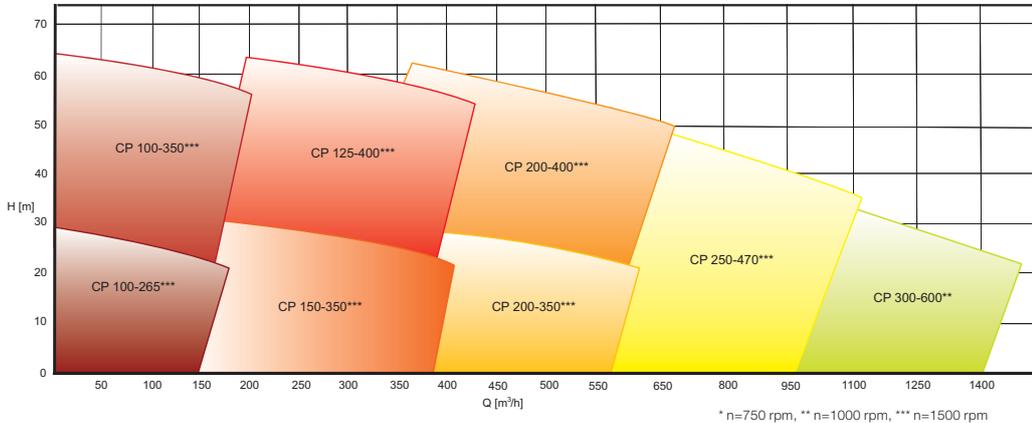
# Characteristic curves

## ANDRITZ Free-Flow Pump VP/CP Series

**Characteristic curve for VP**



**Characteristic curve for CP**



\* n=750 rpm, \*\* n=1000 rpm, \*\*\* n=1500 rpm

### Material combinations

VP/CP Series	EN-GJL 250	1.4460	1.4021	1.4462	1.4517	1.4517 hardened
Impeller		■ (CP)			■	
Volute casing	■ (VP)	■				
Bearing housing	■					
Front and rear lining		■				■ (CP)
Casing cover		■				
Stuffing box body		■			■	
Shaft			■ (VP)	■		■

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

## Close to our customers



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