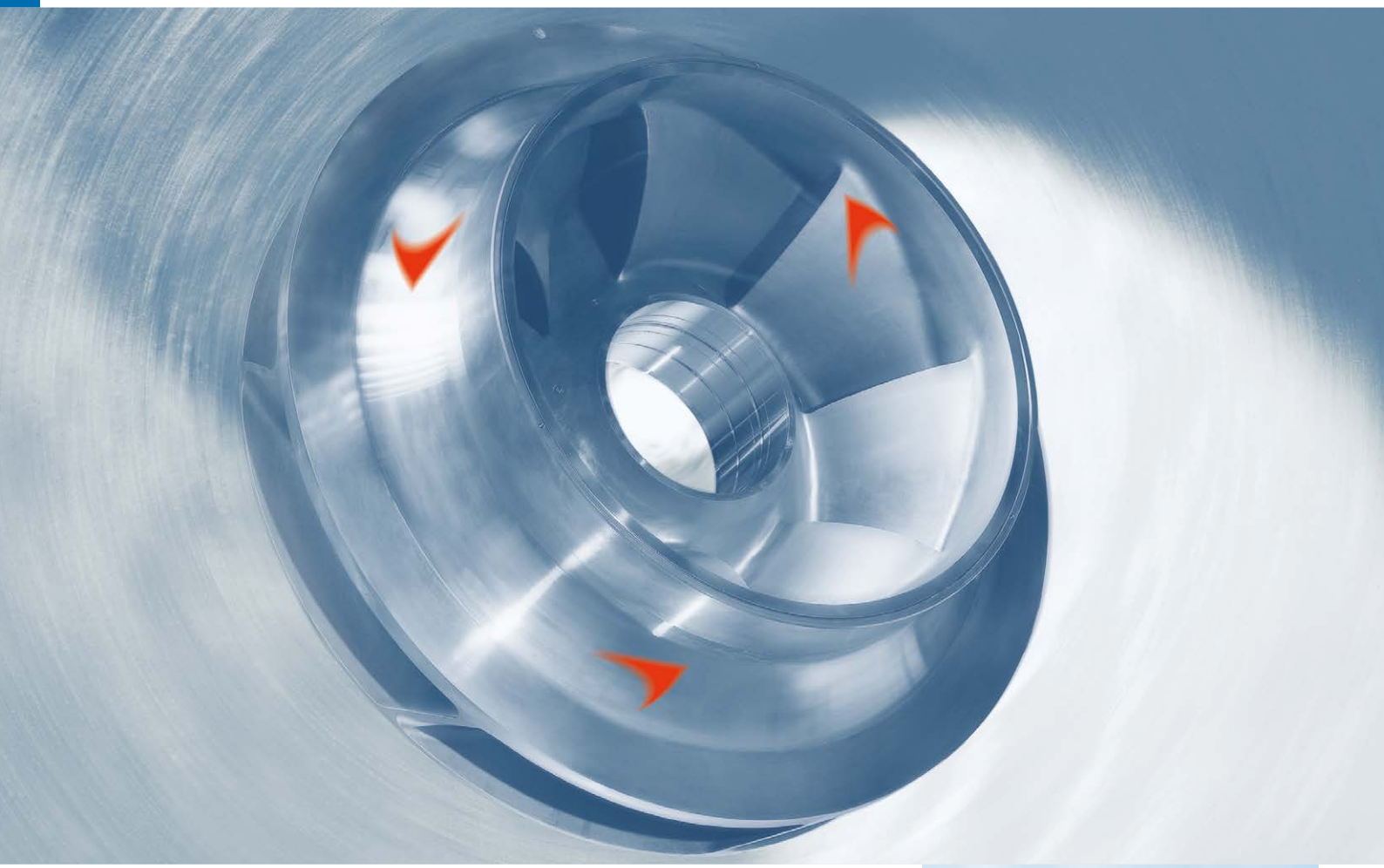
ANDRITZ Hydro

ANDRITZ split case pump

Highest efficiencies and sturdy design



www.andritz.com/pumps

Highest efficiencies and low pulsation

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

ANDRITZ centrifugal pumps meet the high customer demands in terms of efficiency, long service life, maintenance-friendliness, and economy.

All pump components are manufactured in our own, ISO-certified workshops, according to stringent quality standards. These standards form the backbone for the high quality of our products.

Water and desalination

With efficiencies of over 90%, ANDRITZ ANDRITZ double suction split case pumps are constantly helping to save valuable energy.

Fields of application

- Cooling water, circulation water pumps for power stations, industrial plants and district heating networks
- Raw water pumps for water treatment plants
- Drinking water pumps for water supply systems
- Water pumps for desalination plants

Pulp and paper

As suppliers of complete production systems for the pulp and paper industry we have acquired broad expertise in the related process technologies.

The ANDRITZ double suction pump is characterized by low pulsation and high efficiency.

Fields of application

Conveying of stock suspensions with consistencies up to 2%:

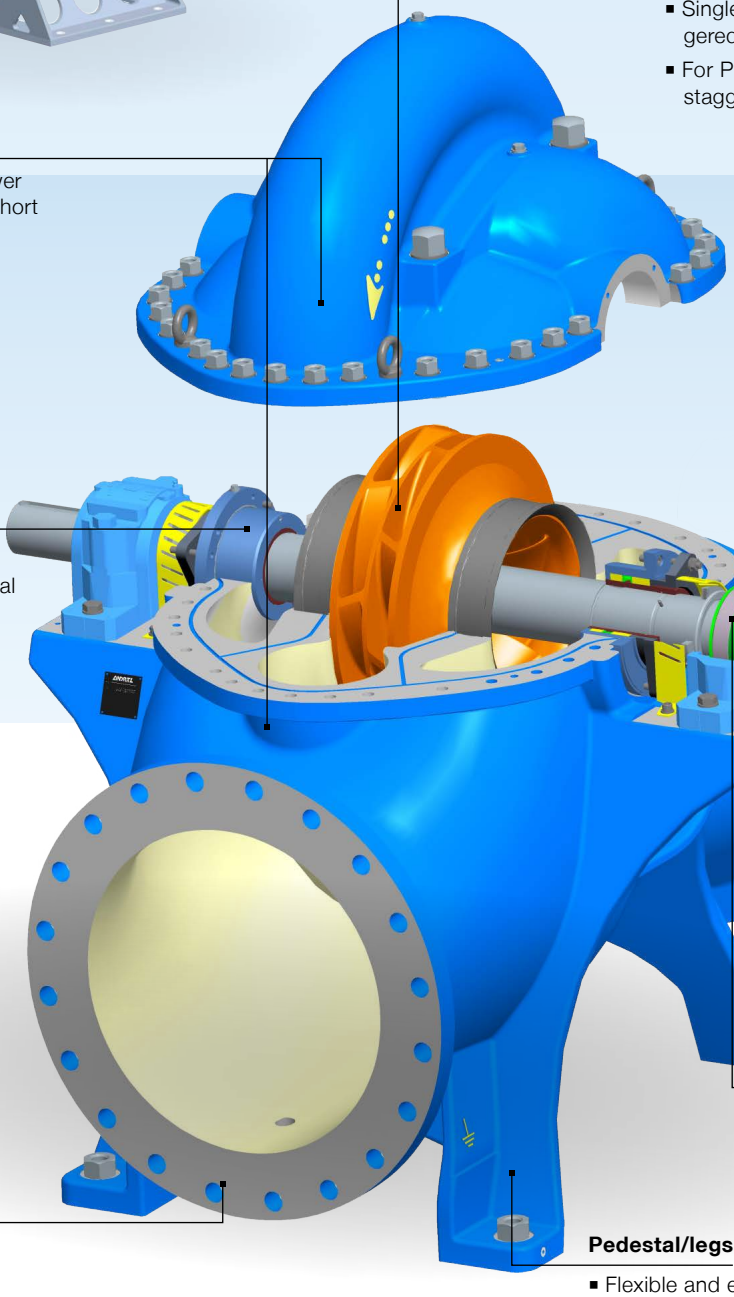
- Headbox pumps
- Cleaner pumps
- Filtrate and water pumps

The facts

- Efficiency beyond 90%
- Flow rates up to 20,000 m^3/h
- Heads up to 220 m
- Power up to 7,000 kW

Technology to convince you

The high standard of our centrifugal pumps from the double suction pump series originates from our long-term experience in hydraulic machine design and comprehensive process know-how.



Double suction impeller

- Efficiency beyond 90%
- Single-piece impeller with or without staggered blades (according to specific design)
- For P&P, low pulsation impeller with staggered blades

Split volute casing

- Sealing of the upper and lower parts with O-rings ensures short maintenance times

Second shaft end

- For flexible choice of drive side
- Provided as standard

Sealing systems

- Stuffing box
- Single or double mechanical seal
- Cartridge seal
- Split seal for short maintenance times

Replacement of seals without dismantling the casing

Shaft bearing for oil or grease lubrication

- Compact and robust bearing ensures ease of installation and long life
- Bearing change without dismantling the casing

Connection flange

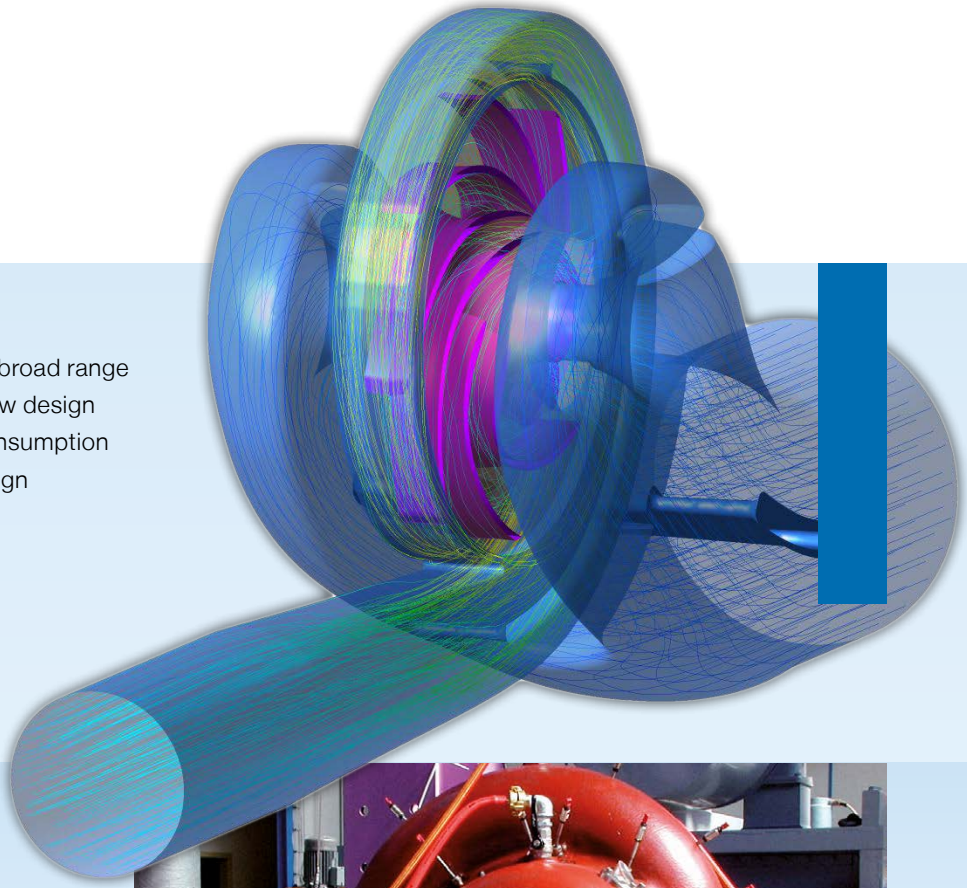
- According to DIN, ANSI, mating-flange with polishing on demand

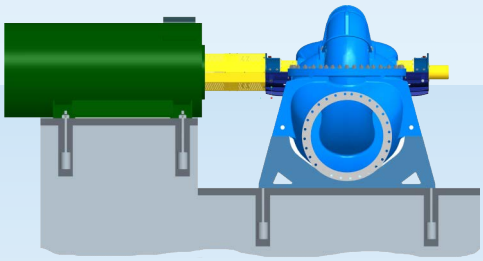
Pedestal/legs

- Flexible and easy pump mounting
- Foundation with motor available on request

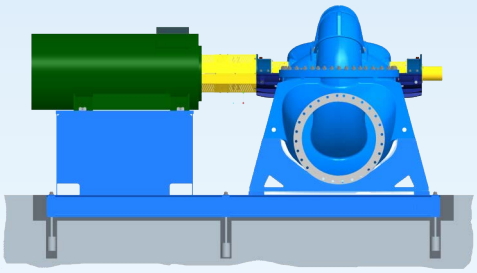
Results of intensive research and development

- Highest efficiency, lowest pulsation, and a broad range of applications are ensured by optimum flow design
- Highest economy due to lowest energy consumption
- Simple maintenance due to innovative design

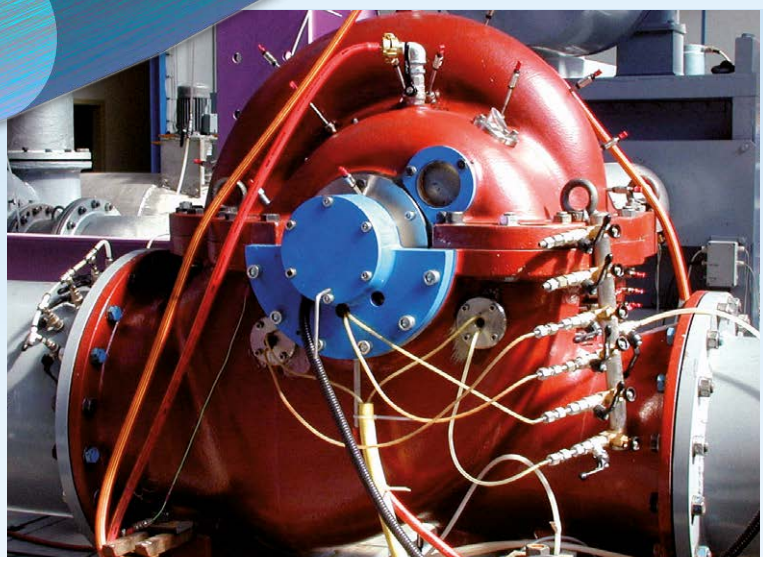


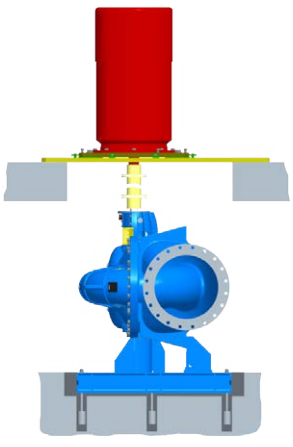


Horizontal installation
(standard)

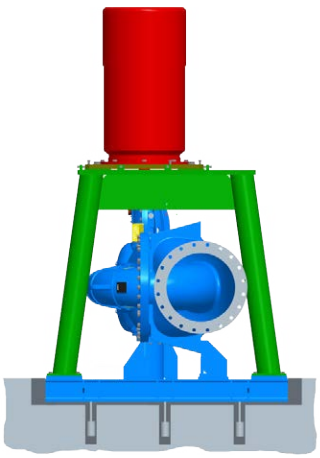


Horizontal installation
with common base frame





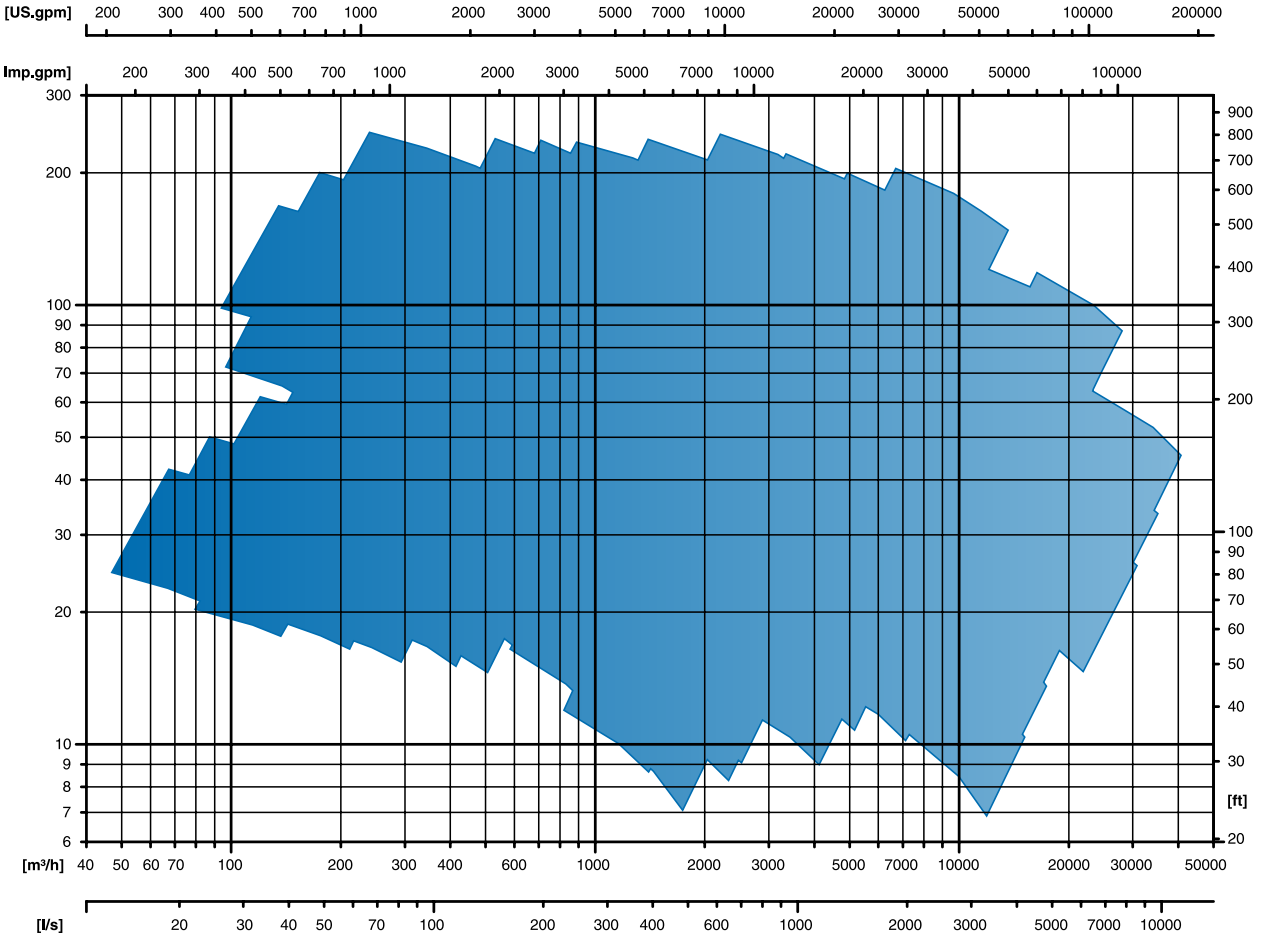
Vertical installation
with double foundation (standard)



Vertical installation
single foundation, different variants depending on motor size

Characteristic curves

ANDRITZ double suction pump



Material combinations

	EN-GJL-250 EN-GJL-200	EN-GJS-400-15 EN-GJS-600-3	CuSn10-C	CuSn7Zn4Pb7-C	1.4021	1.4408	1.4460	1.4462	1.4469	1.4517
Volute casing	■	■					■		■	
Impeller	■		■			■	■		■	■
Shaft					■			■		
Wear ring				■		■	■		■	

European standard		US standard	
Number	**Name**	**Grade**	**UNS**
EN-JL1040	EN-GJL-250	Class 40B	/
EN-JL-1030	EN-GJL-200	Class 30B	/
EN-JS1030	EN-GJS-400-15	Grade 60-40-18	/
EN-JS1060	EN-GJS-600-3	Grade 80-55-06	/
CC480K	CuSn10-C	/	C90700
CC493K	CuSn7Zn4Pb7-C	/	C93200
1.4021	X20Cr13	Grade B6	S42000
1.4408	GX5CrNiMo19-11-2	CF8M	J92900
1.4460	X3CrNiMoN27-5-2	Grade 1A	J93370
1.4462	X2CrNiMoN22-5-3	S32205	S32205
1.4469	GX2CrNiMoN26-7-4	Grade 5A	S32615
1.4517	GX2CrNiMoCuN25-6-3-3	Grade 1B	J93372

Close to our customers

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