ANDRITZ centrifugal pump
S series

www.andritz.com/pumps
For clean and solids-containing media

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

As suppliers of complete production systems for the pulp and paper industry we have acquired broad expertise of the related process technologies – the basis for our successful development of components for conveying stock and pulp.

ANDRITZ centrifugal pumps, S series, are operating successfully all over the world. They offer robustness and wear resistance and thus fulfil high customer expectations in terms of efficiency, life cycle, maintenance friendliness and economic efficiency.

**Modular system**
The standard components in ANDRITZ pumps provide high availability and enable the use of proven components.

**Fields of application**
- Pulp production
- Recycled fibre preparation
- Papermaking
- Chemical industry
- Food industry
- Energy supply
- Water supply
- Waste water treatment

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**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%

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**Technology to convince you**
The high standard of ANDRITZ centrifugal pumps, S series, is based on decades of experience in designing hydraulic machines and on extensive process know-how.
Proven open-impeller design
The open-impeller design of the ANDRITZ centrifugal pumps S 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!
High research and development capabilities

We run a pilot plant at our affiliate ASTRÖ, which enjoys international renown for its hydraulic developments and investigations. The high quality, safety and reliability of the S series pumps are ensured by extensive model testing.

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
ANDRITZ centrifugal pumps, S series

Characteristic curve 1500 rpm

Characteristic curve 3000 rpm

Material combinations

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