

GHIOLDI RAPPRESENTANZE
INDUSTRIALI

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PUMPS

HIGHEST EFFICIENCIES FOR VARIOUS INDUSTRIAL APPLICATIONS

CENTRIFUGAL PUMP, ACP SERIES

ANDRITZ

ENGINEERED SUCCESS

ANDRITZ Pumps for your industry



Water



Pulp and
paper



Power



General
industries

ANDRITZ specializes in the development and manufacturing of high-quality pumps, offering a comprehensive range from standardized products to tailor-made solutions across various industries. Our pumps have achieved global success in diverse applications, including municipal drinking water supply, wastewater disposal, industrial water distribution, and significant infrastructure projects such as irrigation, seawater desalination, and water transmission.

In flood control, irrigation, and water transport, ANDRITZ not only provides the largest and most powerful pumps, but also complete systems and pumping stations. As a prominent supplier to the pulp and paper industry, we leverage strong process expertise to deliver pump solutions that enhance process stability and energy efficiency.

Our product portfolio encompasses a full range of robust process pumps and innovative medium-consistency pumps with an advanced system to avoid fiber losses. Notably, our double-suction headbox pumps boast efficiency levels of up to 93% and low-pulsation impellers, crafted with innovative methods. They thus provide the best performance in the paper manufacturing process.

In line with our commitment to sustainability, ANDRITZ offers reliable small hydroelectric power plants and pumps utilized as turbines for private, municipal, industrial, and commercial applications. Our diverse range ensures economically and ecologically sustainable energy production. Specializing in hydroelectric storage, our pumps cover a wide range from high heads to high flows, showcasing our engineering competence.

Our pump series, distinguished by modern and robust designs, high efficiency levels, and sustainability features, find applications in various demanding industries, including sugar and starch, lysine, bioethanol, hydrogen, fertilizer, mining, offshore, and general process industries.

Additionally, ANDRITZ provides IIOT-enabled premium pump technology for enhanced process monitoring, thus reflecting our commitment to cutting-edge solutions.

Single-stage centrifugal pump with internal and external vacuum pump, ACP-SI and ACP-SE series

In addition to the conventional ACP series, the two pump types ACP-SI and ACP-SE have the function of self-priming and degassing. The ACP-SI is equipped with an internal and the ACP-SE with an external vacuum system. Both pump types are available with a semi-open impeller design and are equipped with a separator. Through the separator the gas enters the vacuum system and is conveyed in the process. Thanks to their low axial thrust and open channels, these pumps are suitable for pumping a wide variety of media. They can handle media up to 8% consistency and gas up to 12%.

Among others, the process pumps therefore cover a wide range of applications in the pulp and paper, water and power industries. Thanks to the modular system of the ACP series, an upgrade to an ACP-SI or ACP-SE can be done at any time without major modifications.

FIELDS OF APPLICATION

- Pulp and paper industry
- Water and waste water management
- Power industry
- Food industry (e.g. sugar and starch)
- Other industries



Single-Stage centrifugal pump with internal vacuum pump, ACP-SI series



Single-Stage centrifugal pump with external vacuum pump, ACP-SE series

The ACP-SI is equipped with an internal degassing system and is suitable for media with consistencies up to 8% and increased gas content up to 8%. The degassing system consists of a separator, that separates the gas from the medium. In addition, an internal liquid vacuum pump is mounted on the shaft with the impeller. The strength of the vacuum is controlled via a vacuum relieve valve. This enables ideal gas separation with no loss of medium.

PRODUCT FEATURES*

- Flow rates up to 9.000 m³/h
- Heads up to 190 m
- Temperatures up to 100°C
- Consistencies up to 8%
- Gas content up to 8%
- Suction height up to 8 m
- Efficiency up to 89%
- Pressure up to 25 bar

*These values are guidelines and may differ depending on project requirements.



ACP-SI series

The ACP-SE is equipped with an external vacuum pump and is suitable for media with consistencies up to 8% and increased gas content up to 12%. The degassing system in the pump consists of a separator that separates the gas from the medium and an external liquid ring vacuum pump placed next to the process pump. A double mechanical seal effectively ensures the sealing of the system in the pump from the atmosphere. The strength of the vacuum is adjusted via vacuum relieve valve, making gas separation possible without loss of medium. Afterwards the gas gets removed by the water separator, which separates the sealing water from the mechanical seal and the liquid ring vacuum pump from the gas.

PRODUCT FEATURES*

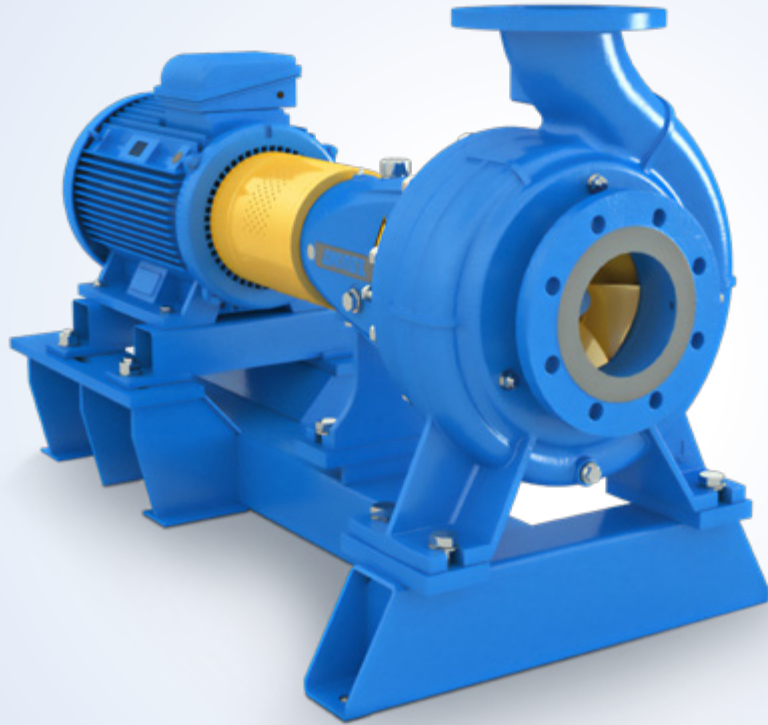
- Flow rates up to 9.000 m³/h
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- Temperatures up to 100°C
- Consistencies up to 8%
- Gas content up to 12%
- Suction height up to 8 m
- Efficiency up to 89%
- Pressure up to 25 bar

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ACP-SE series

T-Baseframe



The T-Baseframe enables solid installation of pumps and motors.



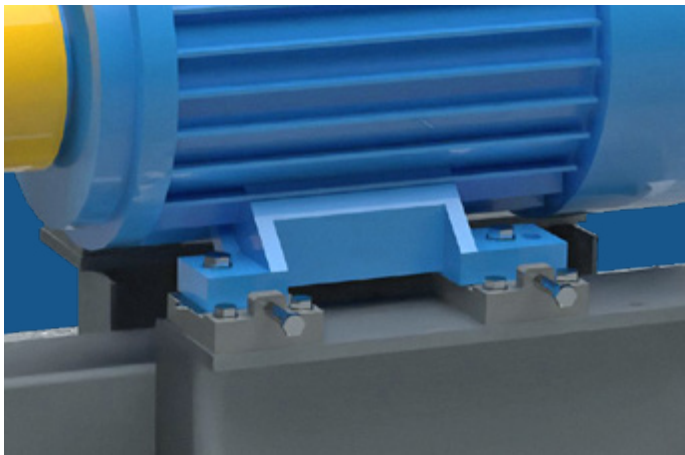
T-BASEFRAME

- With the flexible sliding rail system, the motor can be aligned easily horizontally and vertically.
- The T-Baseframe and the sliding rail system are available in galvanized or painted version.
- The sliding rails allow the mounting of the next bigger motor type on the T-Baseframe, if more motor power is needed.

SSG-Baseframe



The SSG-Baseframe is designed for low vibrations regarding the SSG 3030 standard, with its rigid design and optimized mounting.



SSG-BASEFRAME

- Rigid riser blocks provide a mix of an easy motor alignment as well as the minimization of transmitted vibrations.
- The riser blocks allow the mounting of the next bigger motor type on the SSG Baseframe, if more motor power is needed.



INNOVATION SINCE 1852

The internationally renowned ANDRITZ GROUP has been building pumps for more than 170 years. We offer innovative and targeted solutions with pumps and complete pumping stations. Our longstanding experience in hydraulic machine manufacturing and complete process know-how form the basis of the high standard of ANDRITZ pump engineering. Our quality and high-efficiency products as well as our understanding of customer requirements have made us a preferred partner for pumping solutions worldwide. ANDRITZ offers everything from a single source – from development work, model tests, engineering design, manufacture and project management, to after-sales service and training. We also perform complete start-up on site and guarantee our customers the best support. Our declared goal is your complete satisfaction. See for yourself!

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