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PUMPS

ANDRITZ SUBMERSIBLE PUMP

ASMP SERIES / ASCP SERIES

ANDRITZ

ENGINEERED SUCCESS

ANDRITZ Pumps for your industry



Water



Pulp and
paper



Food



Mining and
minerals



Power



Other
industries

ANDRITZ develops and manufactures high-quality custom tailored pumps for various industries. We supply pumps for different water and waste water applications. ANDRITZ pumps are operating successfully worldwide, for example in water resources management, waste water disposal, as well as large infrastructure projects for irrigation, desalination, and for drinking water and industrial water supplies.

Thousands of ANDRITZ submersible motors and pumps have been installed in mines around the world, working under severest conditions in water management and emergency drainage, including the largest submersible dewatering pumps in the world.

As plant and equipment supplier to the pulp and paper industry, ANDRITZ provides a complete pump program. Our product portfolio comprises medium-consistency pumps with an innovative fiber separation system, for example, as well as headbox pumps with efficiencies of over 90% and particularly low pulsation.

Finally, we also supply high-performance and reliable pumps for food applications such as proteins, dairy products, or beverages as well as a complete pump program for the entire sugar and starch industry.

Design features

We are able to select the best combination of hydraulic and motor with regard to output, speed, voltage and frequency in order to suit the particular application. The column type submersible pump – ASMP series with axial / mixed flow, semi-adjustable blade impeller, the volute type submersible pump – ASCP series with fully open, semi-open, closed, single-channel, double channel, vortex impellers, which fulfills both economic and technical criteria.

The electric motor and the pump hydraulic in combination produce a submersible block aggregate that is impervious to pressure water for system of protection IP68, insulation class F or H. The motor is cooled by the liquid to be pumped, which flows around the motor during operation. Corresponding flow guides at the inlet and after the impeller guarantee, an optimum feed stream of the material to be pump.

The sealing between the pump and the motor is achieved by means of high quality axial face seals. At the same time, a monitoring system protects the motor against damage due to an excessively high temperature and leakages.

Fields of application

- Raw and clean water in waterworks or wastewater treatment plants
- Industrial water supply
- Irrigation and drainage pumping stations, Storm water pumping stations
- Cooling water in power plants and industry

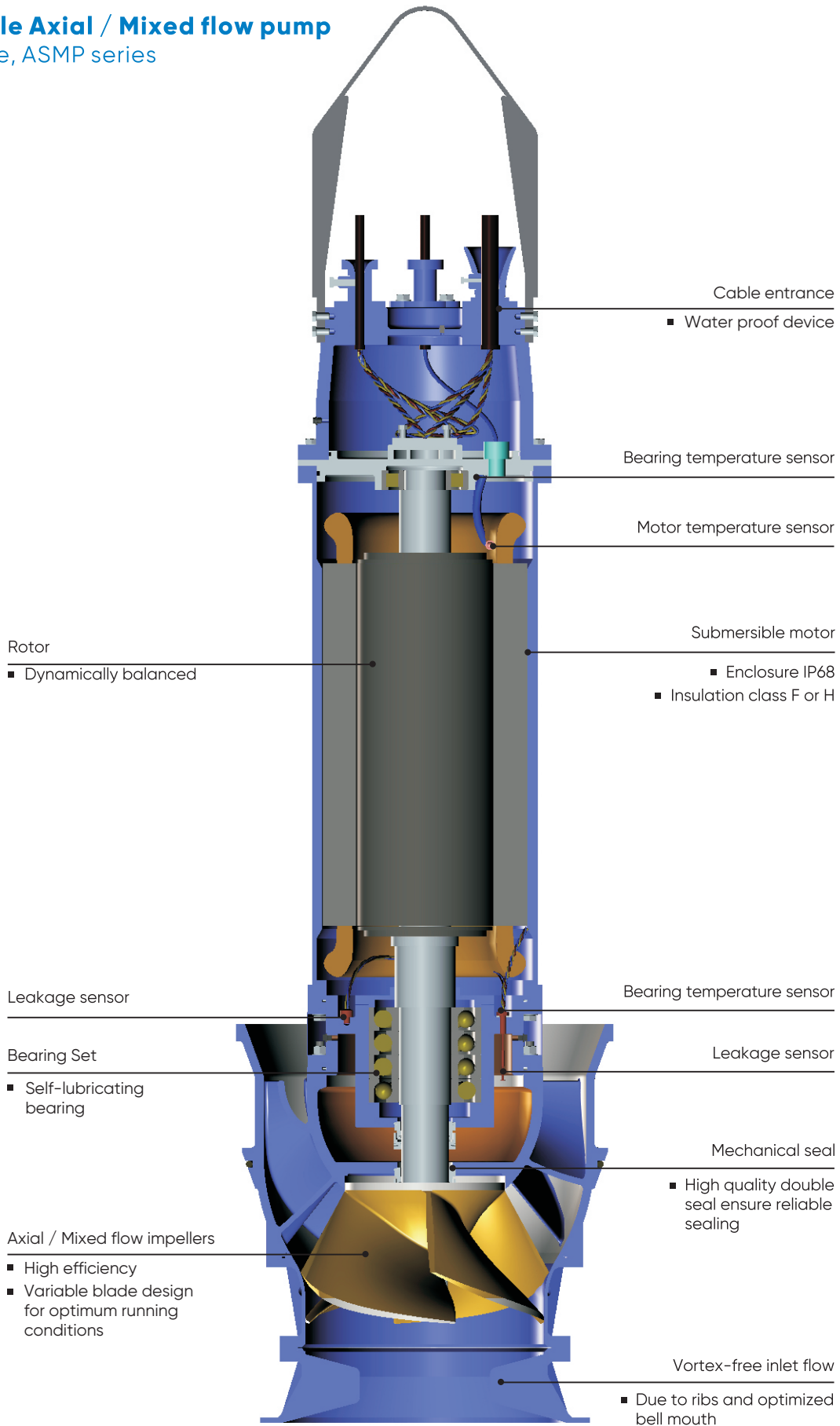
Technical data

Nom. Discharge pipe diameter	
Column type - ASMP	DN 600 – DN 2000
Volute type - ASCP	DN 32 – DN 600
Max.Head	70 m
Max.Flow	8 m ³ /s
Max.fluid temperature	40°C
Max.Power rating	800KW



Submersible Axial / Mixed flow pump

Column type, ASMP series

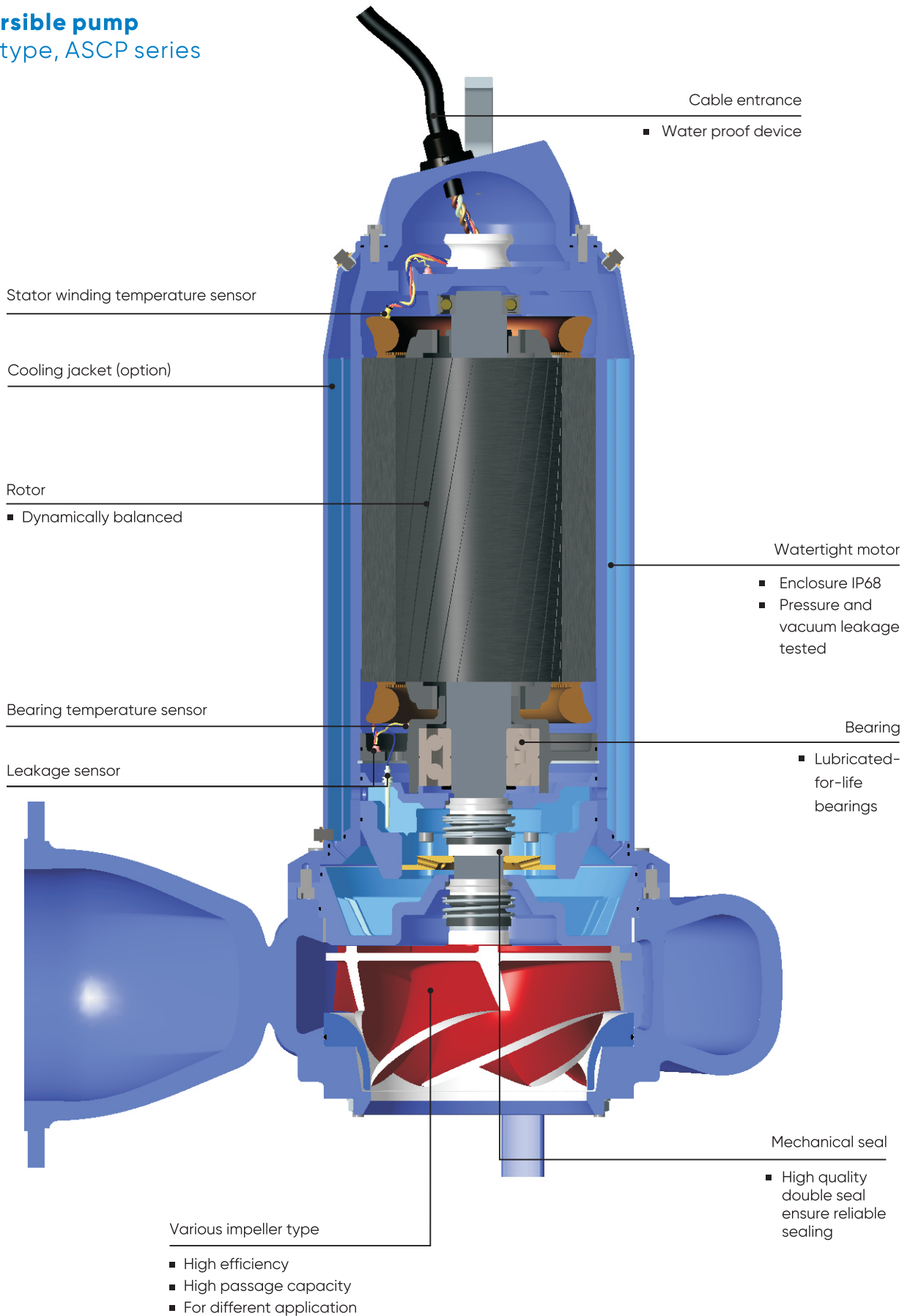


Note: Bearing arrangement, type of sensor, lubrication, sealing type may different in different pump types.



Submersible pump

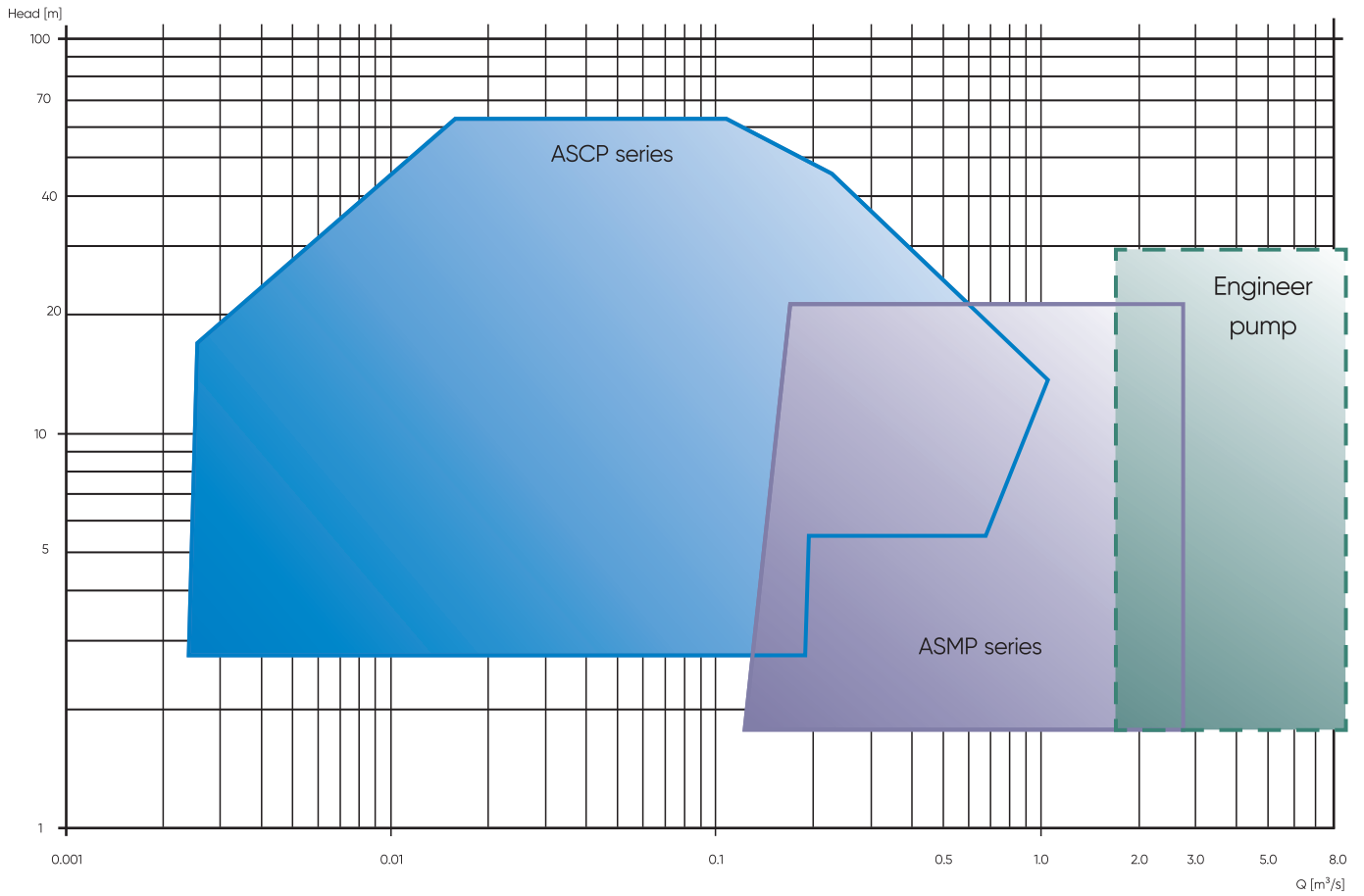
Volute type, ASCP series



Note: Bearing arrangement, type of sensor, lubrication, sealing type may different in different pump types.



Characteristic curves



Material combinations

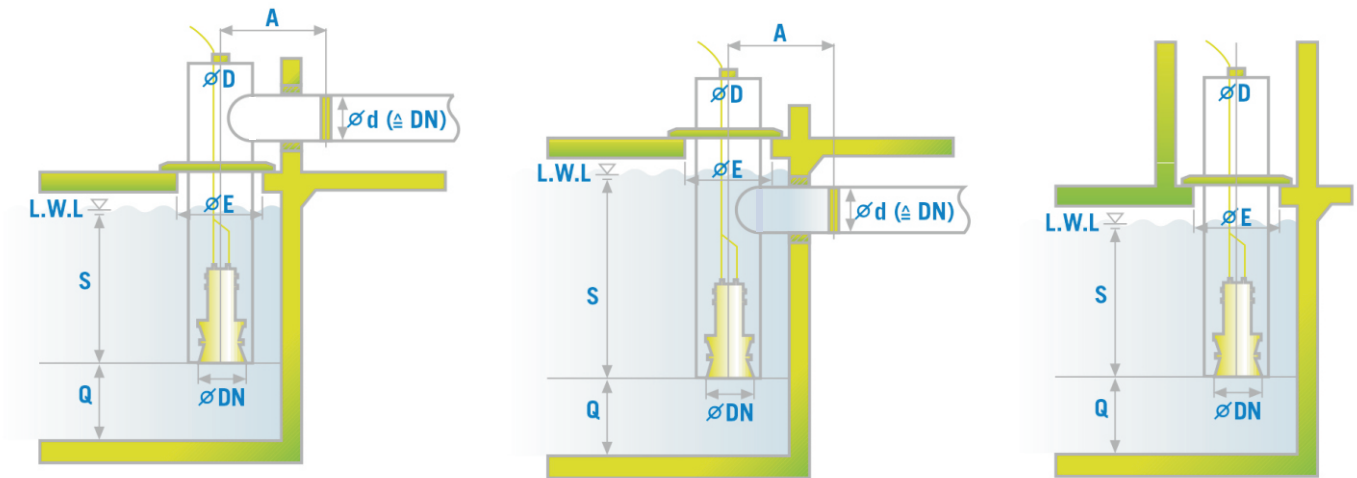
	1.4474	1.4021	1.4571	EN-GJS-400-15	EN-GJL-250	A2/A2-70
Guide vane/ Volute casing	■			■	■	
Impeller	■					
Shaft		■				
Wear ring/ Front Lining	■		■	■	■	
Suction bellmouse	■			■	■	
Motor housing	■			■	■	
Screw, bolt, nut						■
Lifting chain						■

*Other material are available upon request.

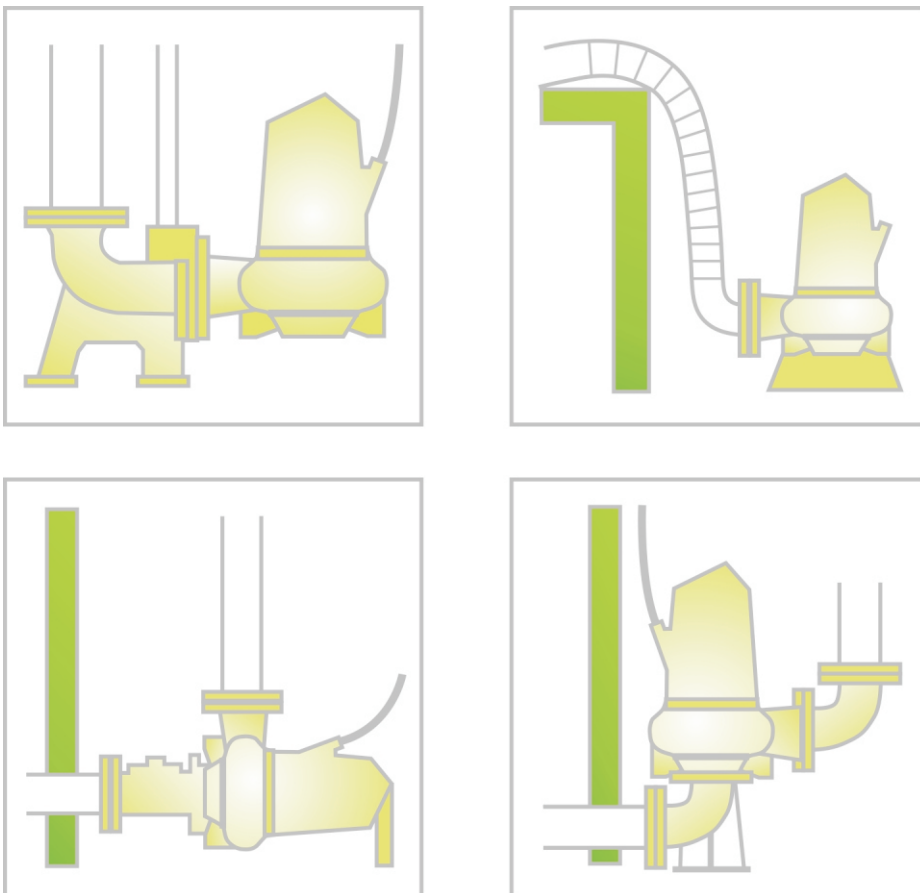


Outline drawings

Submersible Axial / Mixed flow pump – Column type, ASMP series



Submersible pump – Volute type, ASCP series



*Detail dimensions and other installation types, please see contract.





INNOVATION SINCE 1852

The internationally renowned ANDRITZ GROUP has been building pumps for more than 165 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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