

ANDRITZ Pump solutions for the offshore industry



www.andritz.com/pumps

ANDRITZ for offshore applications

Tailor-made pumping solutions

Are you looking for safe and effective solutions in water management on rigs and ships?

For many years we are active in offshore industry, mainly for application in sea water lift. ANDRITZ pumps and motors can be found on rigs and ships. For subsea application we offer customized solutions for submersible motors.

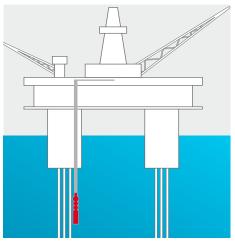
Advantages at a glance

- Solutions for the most extreme operating conditions
- Long service life
- High operational reliability
- High-quality material designs
- Maintenance-free solutions
- High efficiency
- Low investment costs

Application area on rigs and ships

- Bilge and ballast pumps
- Boiler feed pumps
- Booster pumps
- Drill water pumps
- Emergency fire pumps
- Fire fighting pumps
- Foam/deluge pumps
- General service/fire pumps
- Hot water circulating pumps
- Leg jetting pumps
- Sea water lift pumps
- Submersible raw water pumps
- Submersible preload pumps

Submersible motor pumps for sea water lift



Minimal operating costs Completely maintenance-free pumps offering excellent efficiency Unlimited application range Simple and flexible pump installation Low investment costs No pump room is required to install the pumps



Pump types for operation in the offshore industry

FILLGULLUL	Flow rate up to 6,000 m ³ /h Head up to 1,500 m Pressure up to 150 bar Temperature up to 75° C	Multi-stage submersible mo- tor pumps. Absolutely reli- able, maintenance-free and extremely long-lasting. MST- and HDM-Technology for even more efficient solutions.	1000 700 500 500 500 200 3 200 500 1000 2000 5000
	Power up to 5,000 kW Voltage up to 14,000 V Speed up to 3600 rpm Temperature up to 75° C	Water-filled and water- cooled submersible mo- tor. For consistently strong performance at high tem- peratures, special voltages and in extreme conditions. MCT- and IPM-Technology for perfect cooling and high- est efficiencies.	3000 1000 500 [kw] 100 500 [kw] 9 10 12 14 16 22 28 34
	Flow rate up to 20,000 m ³ /h Head up to 220 m Pressure up to 25 bar Efficiency over 90% Temperature up to 110° C	Single-stage, axial split case pumps for transport of pure, slightly contaminated, and aggressive liquids. Efficien- cies over 90%, optimum suc- tion behavior and very good NPSH values.	200 100 70 50 40 100 20 10 10 50 40 100 20 500 1000 2000 5000 10000 20000
High-pressure pumps	Flow rate up to 1,400 m ³ /h Head up to 1,000 m Pressure up to 100 bar	Multi-stage high-pressure pumps in horizontal and ver- tical design. Manufactured in material variants of cast iron, bronze, aluminium-bronze or stainless steel.	800 500 100- 50- [m] 10 5 10 20 50 100 200 500 800
Single-stage centrifugal pumps	Highly wear-resistant design Flow rate up to 6,000 m ³ /h Head up to 160 m Pressure up to 25 bar Efficiency up to 90%	Single-stage centrifugal pumps with closed, semi-open, or open impeller also available in highly wear-resistant design. Various material combinations available for most varied ap- plications guarantee for long life cycles and outstanding ef- ficiencies.	200 100 800 500 100 200 100 100 100 100 100 1



Close to our customers ANDRITZ locations worldwide



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