



AURUM PUMPEN GMBH

FABERMANN PUMPEN

PUMPS • VALVES

• ENGINEERING



INDUSTRIAL PUMPS FOR WATER APPLICATIONS

Water Supply • Well Systems • Irrigation
Cooling Water • Waste Water • Sludge
Desalination • Fire Fighting

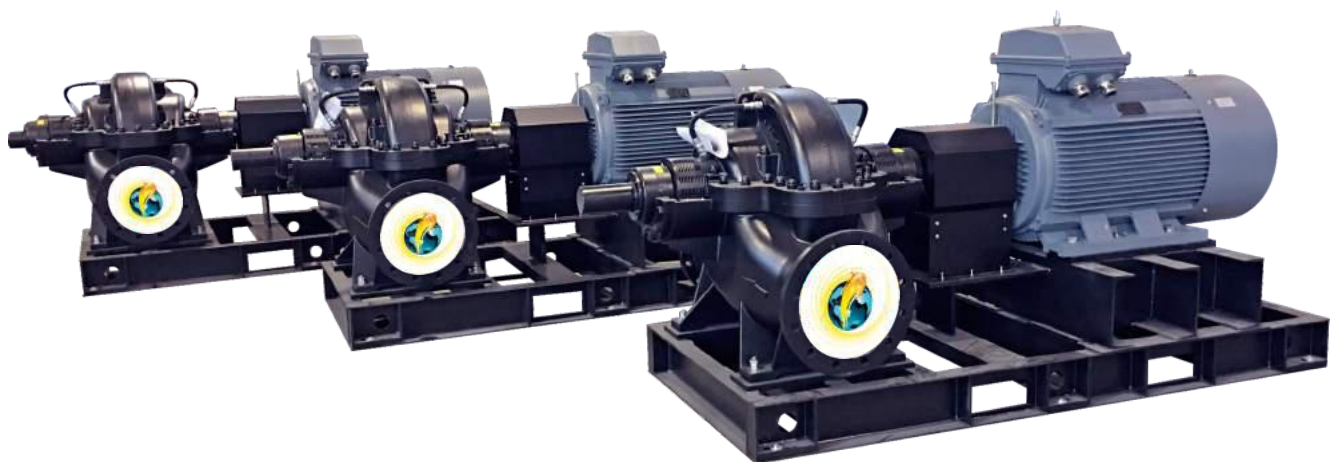
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AURUM PUMPEN GMBH



Aurum Pumpen GmbH offers tailored pumping solutions for any field of application with a wide range of water pumps. We have the pumping expertise, knowledge and network providing durable and cost-effective solutions from one source.

Beside sales opportunities we also can offer assembly and service capacities if required. We have a very strong position in the chemical and processing industry.

The pumps are designed to guarantee the highest level of performance even in harsh environments such as mining and offshore applications. The wide range of available materials, not just for the pump body, but also for the individual components, offers a maximum flexibility to meet requirements imposed by specific working conditions.

Sincerely yours,
Aurum Pumpen GmbH

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SPLIT CASE PUMPS

Description and features

The split case pumps have a wide range of applications and high capacity. The specific design allows you to carry out an internal inspection of the hydraulic parts, without the need to disassemble the motor and coupling. Moreover, a double suction pump has a higher efficiency and has better suction conditions (NPSH value) when compared with a single stage end-suction pump. Because of these advantages, this type of pump has a reliable long-term operation.

Depending on the application, the pumps can be supplied in the following materials: cast iron, bronze, nickel-aluminum bronze, stainless steel, duplex and super duplex steel.

The pumps of this series are driven by 2-, 4-, 6-, or 8-pole electric motor or diesel engines.

The pumps can be supplied both in horizontal and vertical execution.

Technical characteristics

Capacity up to 10000 m³/h
Head up to 100 m



Applications

- Water Supply
- Cooling Water
- Air Conditioning Systems
- Shipbuilding
- Irrigation and Drainage
- Water Treatment
- Fire Fighting
- Salt Water





HORIZONTAL END-SUCTION PUMPS

Description and features

The Aurum end-suction centrifugal pumps are standard pumps according to ISO 9908 and DIN 24255. The pumps are available with various types of soft packing and mechanical seals. Wear rings can be installed depending on the required application. The pumps of this series are driven by 2-, 4-, 6-, or 8-pole electric motor or diesel engines.

Available materials: cast iron, bronze, stainless steel, duplex and super duplex steel.

Applications

- Water Supply
- Cooling Water and Re-Circulation
- Air Conditioning Systems
- Shipbuilding
- Irrigation and Drainage Water
- Treatment
- Fire Fighting
- Salt Water
- Waste water treatment
- Power industry
- Pulp and paper industry
- Food industry (e.g. sugar)
- Bioethanol
- Chemical industry

Technical characteristics

Capacity up to 6000 m³/h
Head up to 160 m

For the larger capacities that exceed the ISO and DIN standards, we can supply end suction pumps in both horizontal and vertical execution.

These pumps can be customized to clients wishes and project requirements with various types of packing and mechanical seals and wear rings.



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MULTI STAGE PUMPS

HORIZONTAL

Description and features

These pumps are specially developed for applications where high pressure is required such as lifting, refrigeration or heating plants, artificial snow or irrigation, washing systems and boiler feed plants.

The pumps have well balanced rotating parts in order to increase the service lifetime and reliability of these pumps. The pressure is balanced by means of throttle sleeves.

The pumps of this series are driven by 2-, 4-, 6-, or 8-pole electric motor or diesel engines.

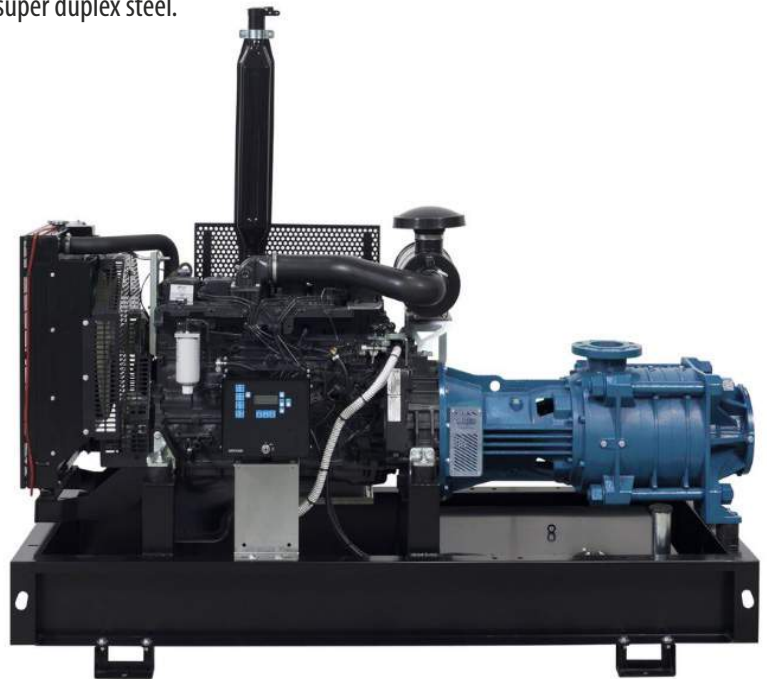
Available materials: cast iron, bronze, stainless steel, duplex and super duplex steel.

Applications

- Water Supply
- Cold and hot water
- Condensate
- Deionised water
- Oils
- Suspensions

Technical characteristics

Capacity up to 830 m³/h
Head up to 810 m





MULTI STAGE PUMPS

VERTICAL

Description and features

Hydraulically, the vertical multi stage pump is the same as the horizontal multi stage pump. The large advantage is that these pumps need less floor space, which makes them ideal for using in fire-fighting systems as jockey pump in order to keep the pressure in the system.

Applications

- Water Supply
- Handling of water, free of suspended solids, in the civil, industrial and agricultural sector
- Circulation of hot and cold water for heating, cooling and conditioning systems
- Boiler feed
- Irrigation systems
- Pressure boosting and water supply systems
- Wash down unit
- Water treatment plants

Technical characteristics

Capacity up to 800 m³/h

Head up to 400 m



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VERTICAL IN-LINE PUMPS

Description and features

The Aurum in-line pump is developed in accordance with ISO 9908 as a typical hot and cold water circulation pump.

Because of the construction, the inlet and outlet pipes can be 'in line' which is ideal for installations in series, directly to conduits, in civil and industrial plants for heating, cooling, hot water or sanitary use.

The pumps are available in different materials such as cast iron and stainless steel.

Applications

- Boiler/hydronic heating
- Chilled water
- Air conditioning systems
- Cooling towers
- Domestic hot water
- Radiant floor heat
- Solar
- Snow melt systems

Technical characteristics

Capacity up to 1080 m³/h
Head up to 125 m





BOREHOLE PUMPS

Description and features

The borehole pumps have a size from 4 up to 12 inches (100 to 300 mm). Depending of the capacity and head, the pumps are executed with a floating impeller, radial impeller or semi-axial impeller.

The pumps are available in several materials such as cast iron, bronze, stainless steel and duplex steel.

The pumps can be completed with water filled electric motors or oil filled electric motors. Protection system guarantees resistance to electro technical corrosion.

The pumps are also available in a horizontal version

Applications

- Well Systems
- Underground Extraction
- Mining
- Oil & Gas
- Water Treatment
- Agriculture
- Civil

Technical characteristics

Capacity	up to 950 m ³ /h
Head	up to 900 m
Power	up to 185 KW



VERTICAL AXIAL FLOW AND TURBINE PUMPS

SEMI-SUBMERSIBLE

Description and features

The vertical turbine pumps are semi-submersible because of the dry-motor installed at the top of the pump. The pump comprises an inlet suction pipe with strainer (option) with one or several pump stages with radial or mixed flow impellers, a column pipe with shaft and a discharge elbow.

This discharge can be installed above or below the foundation level of the pumping station.

The shaft sealing can be either soft packing or a mechanical seal.

Technical characteristics

Capacity	up to 15000 m ³ /h
Head	up to 220 m

SUBMERSIBLE

Description and features

The same hydraulic component can be used to build a complete submersible pump unit. In this case the pump has only one stage, so the head will be up to 60 meter.

Applications

- Water Supply
- Cooling Water Industry or Power Station
- Desalination
- Irrigation and Drainage
- Fire Fighting





SEMI-SUBMERGED PUMPS

Description and features

Semi-submerged pumps are specialized centrifugal pumps, utilizing a cantilever design in which only the impeller and casing are submerged in a tank or a sump. All joints including seals, bearings and bushings are located outside the fluid. The length of the pump can be adjusted up to 7,5 meter.

Because of this construction, the pump can assure a smooth operation even in complex and harsh conditions

Applications

- Waste Water
- Raw Sewage
- Pulp
- Sludge

Technical characteristics

Capacity up to 1450 m³/h
Head up to 32 m



SEWAGE PUMPS

Description and features

The Aurum sewage pumps are developed in order to have wide impeller passages and an extremely smooth resistance free path for solids.

The pumps have a back-pull-out design, which allows a pump inspection without the need to disturb the pipework and valves. Moreover, the pumps are executed with inspection holes.

Applications

- Waste Water
- Raw Sewage
- Sewage Effluent
- Sludge

Technical characteristics

Capacity up to 10000 m³/h
Head up to 50 m



SELF-PRIMING PUMPS

Description and features

The principle of self-priming pumps is that the air is drawn into the wa due to the negative pressure created by the moving impeller and is emulsified with the liquid contained in the pump.

Applications

- Irrigation
- Agriculture
- Drainage
- Water Supply
- Cooling Systems

Technical characteristics

Capacity up to 1200 m³/h
Head up to 55 m





SUBMERSIBLE SEWAGE PUMPS



Description and features

For the transport of sewage from city districts to the larger pumping stations and treatment plants, we can supply submersible electric pumps. These are suitable for the difficult, complex and often extreme working conditions. Because of the large passages through the impeller we can avoid clogging.

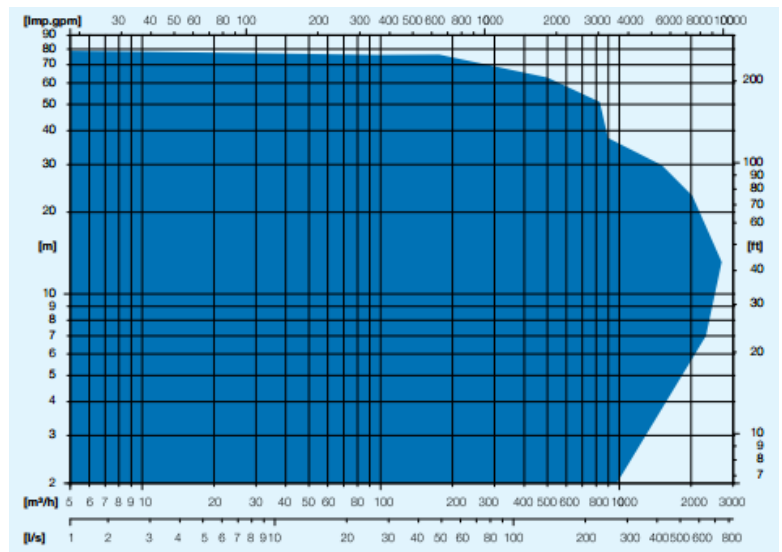
The pumps are available in different materials such as cast iron, bronze, stainless steel, duplex steel and super duplex steel.

Applications

- Waste Water
- Sea Water
- Raw Water
- Sludge
- Aeration

Technical characteristics

Capacity up to 2 800 m³/h
 Head up to 80 m
 Power Engine up to 350 kW



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● - Hauptverwaltung

● - Filiale

● - Vertragshändler

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