SAER ELETTROPOMPE

SAER SOLUTIONS MINING RESISTANT

SAER's pumps and motors for the mining sector are designed for demanding operations in the harshest environments.

DRAINAGE AND SEWAGE PUMPS

Effective pumping systems remove accumulated water from pits, tunnels and working areas. Reliable drainage protects equipment, ensuring mining areas remain safe and fully operational.

APPLICATIONS: water treatment, underground dewatering. drainage.

SD – Submersible waste water pumps

Max flow 2400 m^3/h

Max head 54 m

Max Power 132 kW – 50/60 Hz

Free passage up to 150mm

Max temperature: 40°C

NCA – End Suction waste water pumps

Max flow 2600 m^3/h

Max head 75 m

Max Power 250 kW – 50/60 Hz

Free passage up to 100m

Max temperature: 120°C

MATERIALS: super duplex · cast iron · ductile iron · stainless steel

SUBMERSIBLE PUMPS

Submersible pumps (up to 14") available in super duplex and in stainless steel AISI 316 precision casted. Motors made by SAER, 2 or 4 poles, 50 or 60 Hz, up to 1000 V. Totally rewindables for easy maintenance.

4" SUPERMINING MOTORS

SAER Supermining rewindable oil-filled submersible motors feature a reinforced structure & extra-thick components

Max Power 7.5 kW – 50/60 Hz

Max temperature: up to 35°C

APPLICATIONS: primary water intake, underground dewatering, dust control, pressurization systems.

VS, S, NR Submersible pumps & MS Submersible motors

Max flow 725 m^3/h

Max head 955 m

Max Power 300 kW – 50/60 Hz

Max temperature: up to 65°C

MATERIALS: super duplex · cast iron · ductile iron · stainless steel · bronze

PAT

Effective response to rising energy prices. Pumps used as turbines can transform the surplus hydraulic energy of water into electricity.

The newly generated electricity can be self-consumed or exported to the grid.

HOW?

Small and medium-scale modular hydropower generating sets suitable for sites up to 500+ kiloWatts of nominal power.

APPLICATIONS

Outfall of mine water treatment plants, water supply of underground mines, inlet of water treatment works, water distribution

END SUCTION PUMPS

Available in **long-coupled, stub-shaft** or **close-coupled versions**, as well as **bare-shaft** or complete pump units without motor, with options for **vertical configurations** or lateral oriented outlets.

DRY RUN MECHANICAL SEAL

Engineered for extreme enviroments the NCBK pump may be supplied with dry run mechanical seal on demand to match specific project requirements

APPLICATIONS: water intake, water treatment, energy recovery systems , fire-fighting.

IR - Close coupled pumps

Max flow 850 m^3/h

Max head 139 m

Max Power 110 kW – 50/60 Hz

MG - Stub shaft pumps

Max flow 850 m^3/h

Max head 139 m

Max Power 110 kW – 50/60 Hz

NCB/NCBK – Long coupled pumps

Max flow 2700 m^3/h

Max head 139 m

Max Power 500 kW – 50/60 Hz

MATERIALS: super duplex · cast iron · ductile iron · stainless steel · bronze

MULTISTAGE PUMPS

When high pressure requires adaptability, SAER multistage pumps provide the right solution. A comprehensive range of configurations, with countless nozzle orientations.

APPLICATIONS: water treatment, energy recovery, dust control, fire fighting.

MK – Vertical in line pumps

Max flow 110 m^3/h

Max head 394 m

Max Power 55 kW – 50/60 Hz

TMV – TM – TMB High pressure pumps

Max flow 1020 m^3/h

Max head 642 m

Max Power 900 kW – 50/60 Hz

Max temperature + 90°C (special version +120°C)

MK MATERIALS: cast iron · stainless steel

TM MATERIALS: super duplex · cast iron · ductile iron · stainless steel · bronze

SPLIT CASING PUMPS

Its robust design ensures easy inspection and fast maintenance, minimizing downtime. The SAER SKD split-casing pump is available in both **horizontal on vertical configurations**.

APPLICATIONS: water treatment, water intake, energy recovery.

SKD split casing pumps

Max flow 4500 m^3/h

Max head 318 m

Max Power 1200 kW – 50/60 Hz

Max temperature: up to 120°C (special version +150°C)

MATERIALS: super duplex · cast iron · ductile iron · stainless steel · bronze

FAST REPLY & SUPPLY
Mining operations cannot afford lengthy delay: with production concentrated in Italy, SAER keeps processes close and coordinated.

MADE IN ITALY

APPLICATION SUPPORT
To define the right solution for each mining project.

SOLUTION FLEXIBILITY
Wide range of configurations and design options. Several voltages available, multiple sealing solutions, many options of internal or external protective coatings on request.

EASE OF MAINTENANCE
Maintenance-friendly design.

POWERING MINES **WORLDWIDE**

NCBK in super duplex. Many units supplied in 15 days.

Submersible pumps and motors, for project studied on the end users' need.

Energy Recovery on the water supply of an underground zinc mine.

A vertical SKD pump designed to boost pressure to the nozzles used for process water dilution.

...and many others, visit our website to know more

SAER ELETTROPOMPE

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