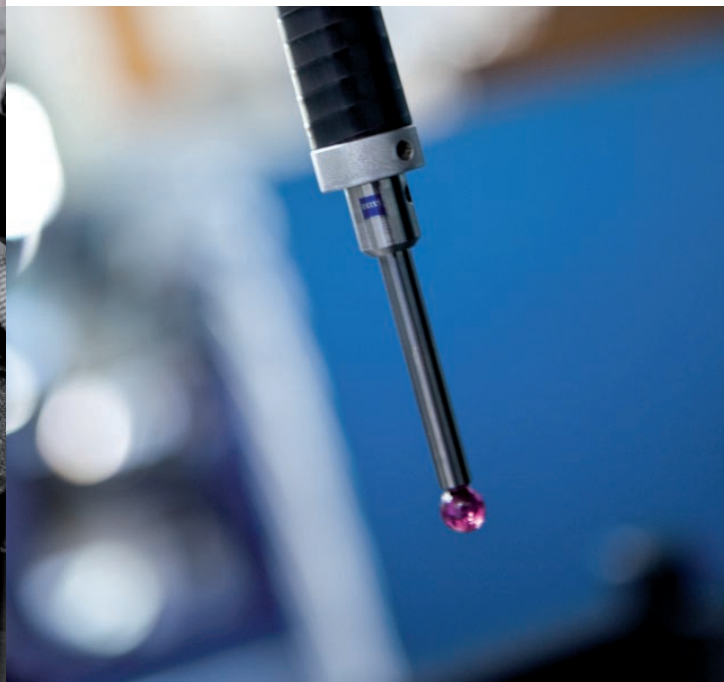


**SAER<sup>®</sup>**  
**ELETTROPOMPE**



*Corporate Profile.*

# EFFICIENT SOLUTIONS MADE IN ITALY.



## HISTORY: 1951 UP TODAY

### CONTINUOUS INNOVATION, SINCE 1951.

Since 1951 SAER ELETTROPOMPE S.p.A. offers innovative solutions in the clear water field, with a complete range of surface and submersible motors and pumps entirely made in Italy, for applications in civil, industrial, marine, firefighting, water supply, mining, heating and cooling, municipal, Oil & Gas, reverse osmosis, residential, agriculture, irrigation and many others. Flexibility, research and development, know-how of over 60 years of experience, full automation of the production processes and collaboration of highly qualified staff are the key elements of SAER success, which is still a family owned Company.

### A COMPLETE RANGE FOR ANY NEED.

SAER produces and exports more than 700 types of submersible and centrifugal pumps and motors all over the world. End suction pumps according to EN 733 in close-coupled, bareshaft and stub shaft version, end suction pumps with dimensions exceeding the norm, split casing, horizontal and vertical multistage, booster sets, pumps for residential use, radial and semi-axial submersible pumps and submersible motors: SAER offers global solutions in the water field.

### FOCUS ON MATERIALS.

The products are available in different metallurgies: carbon steel, brass, cast iron, techno-polymer, several grades of stainless steel, marine bronze, DUPLEX... with such a choice, SAER provides a products range suitable for any application.

### ITALIAN QUALITY.

Differently from other companies that have relocated production plants to the Eastern Countries, SAER production is situated in five plants in the province of Reggio Emilia (North of Italy). This was dictated by the need to give a high quality standard, dedicated to efficiency and Made in Italy philosophy, with full control over the manufacturing phases, starting from the detail to the final result.

### TECHNOLOGY, RESEARCH AND INNOVATION.

Automation of the entire production processes, Research and Development laboratory with a team of engineers pursuing continuously innovative solutions, two state of the art testing rooms and quality department complete the picture of the Company (production area: over 60.000 m<sup>2</sup> covered).

### FLEXIBILITY AND SPEED.

Thanks to the flexibility that distinguishes the Company, SAER is able to design and produce in a short time even products on demand, integrating them in its wide range, giving to Customer a quality and efficient service.

All these features made SAER become the preferred choice of many professionals from privates to public Corporations, OEM, contractors, engineering Companies and many others in over 120 Countries around the world.



## Five industrial hubs for made in Italy production.

Headquarter: R&D, testing facilities, quality control department, production of centrifugal and submersible pumps.

Submersible motors plant: production from 4" up to 12" fully rewindable motors. Last generation testing room.

Split casing and multistage plant: production, checking, finishing and testing of high pressure and big flow pumps.

Shaft plant: production, machining and testing of shafts for pumps and motors.

Winding plant: winding of electrical and submersible motors.

## A complete range suitable for any need.

Experience and constant research: that's what SAER pours into its products.

Field of applications:

Industry  
Irrigation  
Commercial

Oil and Gas  
Marine  
Mining

Municipality  
Residential  
RO

Firefighting  
Heating  
Cooling

Water supply  
Water treatment  
Groundwater supply



## State of the art technology gets energy saving.

R&D departments: a team of qualified engineers is continuously researching new techniques and technologies.

Orientation towards performance improvement: through cost controls using tools as CFD and FEA softwares and prototyping, with focus on environment care.

Reliable results even before real tests: the highly skilled staff studies and optimizes each component creating reliable and high efficiency products. The final tests are in line with the theoretical results obtained during the design phase. SAER range presents low cost of service & maintenance over time.

## Because quality is a question of details.

To carry out a high efficiency pump or motor not only as prototype but as a serie production, it's not a design issue only. All aspects are realized in the project fulfilment.

Quality control department: from the beginning to the end, several controls are made during the manufacturing process, checking values, measurements, materials, results.

Testing rooms: all trials on the pumps and motors are made in the two state of the art laboratories, to test over 5000 m<sup>3</sup>/h.

Quality certification: the production is tested under different conditions; every part has to be realized in accordance with high standard parameters. SAER is certified ISO 9001:2008.

Wide choices: from polycarbonate to noryl, from carbon steel to marine bronze, stainless steel AISI 316 and DUPLEX; only the finest materials are used in order to meet different requirements.



## Automated production from the raw piece to the final result.

Fully automated processes: by continuous development of new systems, SAER has reached a high standard know-how for technical automatic processes of production. The full automation was a goal that the Company has achieved over the years thanks to the consolidation of the trademark worldwide.

Smart solutions: the constant research, from the shape of the blade to the best material according to the applications, the experience and know-how which forms our background, make the continuous developing of new products possible.

Flexibility: the Company is able to deliver in short time not only standard production but also what is special for other producers even realizing customized or on demand items, integrating them in the wide SAER range.

## Advanced technology.

Further to pumps, SAER manufactures motors too.

Internal production: all stages of production are done internally from the beginning.

Windings: made automatically to give top performances.

Full motor production tested.

# Back pull-out design for easy maintenance.

# Wherever high pressure or large flow is required.

## Close-coupled pumps.

2 or 4 poles version. Applications: recycling plants, heating and cooling, plants of water supply, pressurizing units and fire-fighting systems. Available materials: carbon steel, cast iron, bronze, stainless steel AISI 316.

**50 Hz**  
Q max: 400 m<sup>3</sup>/h (1761 U.S.g.p.m.)  
H max: 100 m (328 feet)  
Power: 0,37÷37 kW (0,5÷50 HP)

**60 Hz**  
Q max: 525 m<sup>3</sup>/h (2311 U.S.g.p.m.)  
H max: 113 m (371 feet)  
Power: 0,37÷37 kW (0,5÷50 HP)



IR SERIES

## Centrifugal pumps with stub shaft.

Applications: recycling plants, heating and cooling, plants of water supply, pressurizing units and fire-fighting systems. Available materials: cast iron, carbon steel, bronze, stainless steel AISI 316.

**50 Hz**  
Q max: 255 m<sup>3</sup>/h (1123 U.S.g.p.m.)  
H max: 102 m (334 feet)  
Power: 5,5÷75 kW (7,5÷100 HP)

**60 Hz**  
Q max: 260 m<sup>3</sup>/h (1145 U.S.g.p.m.)  
H max: 113 m (371 feet)  
Power: 11÷22 kW (15÷30 HP)



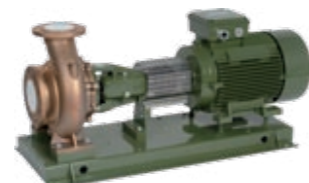
MG SERIES

## End suction pumps according to EN 733.

2 or 4 poles version. Applications: recycling plants, heating and cooling, plants of water supply, pressurizing units and fire-fighting systems. Available materials: cast iron, carbon steel, bronze, stainless steel AISI 316.

**50 Hz**  
Q max: 675 m<sup>3</sup>/h (2972 U.S.g.p.m.)  
H max: 100 m (328 feet)  
Power: 0,37÷160 kW (0,5÷220 HP)

**60 Hz**  
Q max: 800 m<sup>3</sup>/h (3522 U.S.g.p.m.)  
H max: 113 m (371 feet)  
Power: 0,37÷110 kW (0,5÷150 HP)



NCB SERIES

## End suction pumps with dimensions exceeding EN 733.

4 and 6 poles version. Applications: recycling plants, heating and cooling, plants of water supply, pressurizing units and fire-fighting systems. Available materials: carbon steel, cast iron, stainless steel AISI 316.

**50 Hz**  
Q Max: 2300 m<sup>3</sup>/h (10127 U.S.g.p.m.)  
H max: 97 m (318 feet)  
Power: 11÷355 kW (15÷480 HP)

**60 Hz**  
Q max: 2400 m<sup>3</sup>/h (10567 U.S.g.p.m.)  
H max: 122 m (400 feet)  
Power: 18,5÷400 kW (25÷545 HP)



NCBK SERIES

## Multistage horizontal pumps.

Applications: residential use, gardening, irrigation, water supply, water automatic distribution using middle pressure tanks, pressurization units. Available materials: carbon steel, stainless steel AISI 304, stainless steel AISI 316.

**50 Hz**  
Q max: 40 m<sup>3</sup>/h (176 U.S.g.p.m.)  
H max: 162 m (531 feet)  
Power: 0,37÷11 kW (0,55÷10 HP)

**60 Hz**  
Q max: 48 m<sup>3</sup>/h (212 U.S.g.p.m.)  
H max: 149 m (489 feet)  
Power: 0,55÷13,5 kW (0,75÷18,3 HP)



OP SERIES

## Vertical multistage pumps.

Possibility to combine the MK series to all normalized motors. Applications: lifting plants with or without tank, irrigation systems and wherever high pressure is required. Available materials: carbon steel, stainless steel AISI 304, stainless steel AISI 316.

**50 Hz**  
Q max: 40 m<sup>3</sup>/h (176 U.S.g.p.m.)  
H max: 394 m (1292 feet)  
Power: 0,75÷30 kW (1÷40 HP)

**60 Hz**  
Q max: 45 m<sup>3</sup>/h (198 U.S.g.p.m.)  
H max: 385 m (1263 feet)  
Power: 0,75÷37 kW (1÷50 HP)



MK SERIES

## Multistage vertical and horizontal pumps.

2 or 4 poles. Radial or axial suction body. Applications: irrigation, water supply, high pressure lifting, refrigeration, heating and cooling, snowmaking plants, reverse osmosis. Available materials: carbon steel, cast iron, bronze and stainless steel AISI 316.

**50 Hz**  
Q max: 700 m<sup>3</sup>/h (3082 U.S.g.p.m.)  
H max: 630 m (2067 feet)  
Power: 15÷500 kW (20÷680 HP)

**60 Hz**  
Q max: 900 m<sup>3</sup>/h (3962 U.S.g.p.m.)  
H max: 630 m (2067 feet)  
Power: 15÷500 kW (20÷680 HP)



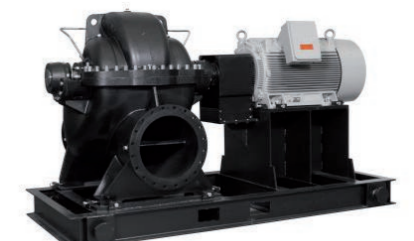
TM SERIES

## Split casing pumps.

4 and 6 poles. Low life cycle cost thanks to high efficiency and low maintenance costs. Applications: recirculating systems, heating, air conditioning, heat recovery, plants of water supply, fire-fighting, irrigation, water treatment. Available materials: cast iron and bronze.

**50 Hz**  
Q max: 5000 m<sup>3</sup>/h (22014 U.S.g.p.m.)  
H max: 220 m (722 feet)  
Power: 15÷1100 kW (20÷1500 HP)

**60 Hz**  
Q max: 5000 m<sup>3</sup>/h (22014 U.S.g.p.m.)  
H max: 220 m (722 feet)  
Power: 15÷1100 kW (20÷1500 HP)



SKD SERIES

# Innovative solutions.

# Under water reliability.

Booster sets with 2 or more pumps.

Variable or fixed speed.  
Applications: Pressurization and distribution of water in civil, agricultural and industrial plants, heating plants, cooling, air-conditioning and irrigation systems.  
Operation: in sequential cascade following the increase of water demand.

Residential pumps.

A complete range for global solution in residential applications: threaded centrifugal pumps, centrifugal peripheral electric pumps, self priming pumps, double impellers pumps, gear pumps, swimming pool pumps, drainage pumps.  
Materials available: cast iron, brass, techno-polymer, stainless steel.

Submersible enbloc electric pumps.

Modular system: from one pump it is possible to obtain three different versions, with a simple replacement of the lower part (suction grid-MBS, suction base-MBSH, and inlet-MBSL).  
Applications: water supply from tanks, basin or open wells, or from 6" wells for residential, civil, agriculture and for pressurizations.  
Available materials: AISI 304, carbon steel, thermoplastic resin.

**50 Hz**  
Q max: 18 m<sup>3</sup>/h (79 U.S.g.p.m.)  
H max: 113 m (371 feet)  
Power: 0,55÷4 kW (0,75÷5,5 HP)

**60 Hz**  
Q max: 21 m<sup>3</sup>/h (92 U.S.g.p.m.)  
H max: 118 m (387 feet)  
Power: 0,75÷5 kW (1÷6,8 HP)

Control panels & VFD (inverters).

SAER offers even a complete range of control panels compatibles to different starting methods: DOL, star-delta, impedance starting, soft-starting and with inverter.  
The range includes inverters for the control of surface and submersible electric pump both available in single and three phase.  
Noiseless, the inverter can be used individually to control one pump or in multiples to control several pumps in parallel or in groups for pressurization.

Oil filled submersible motors.

4" and 6" completely rewindable motors.  
Standard NEMA, non toxic oil (USA FDA, US Pharmacopoeia/ National Formulary, USDA, European Pharmacopoeia approved).  
Single phase or three phase version.  
Materials available: carbon steel, cast iron, stainless steel AISI 316, stainless steel AISI 304.

**50 Hz**  
Power: 0,37÷18,5 kW (0,5÷25 HP)  
**60Hz**  
Power: 0,37÷18,5 kW (0,5÷25 HP)

Water filled submersible motors.

6", 8", 10", 12" fully rewindable motors.  
Standard NEMA, up to 8".  
2 and 4 poles (starting from 8").  
PVC or PE+PA winding.  
Materials available: carbon steel, cast iron, bronze, brass, stainless steel AISI 316, DUPLEX.

**50 Hz**  
Power: 1,5÷300 kW (2÷400 HP)  
**60Hz**  
Power: 1,5÷300 kW (2÷400 HP)

Semi-axial submersible pumps.

6", 8", 10", 12" and 14" submersible pumps.  
Applications: lifting, pressurizing and distribution in civil and industrial installations, autoclave and cistern inlets, washing plants, irrigation systems, mining and off shore.  
Materials available: carbon steel, cast iron, bronze, stainless steel AISI 316, DUPLEX.

**50 Hz**  
Q max: 725 m<sup>3</sup>/h (3192 U.S.g.p.m.)  
H max: 388 m (1273 feet)  
Power: 3÷300 kW (4÷400 HP)  
**60Hz**  
Q max: 725 m<sup>3</sup>/h (3192 U.S.g.p.m.)  
H max: 388 m (1273 feet)  
Power: 4÷300 kW (5,5÷ 400 HP)

Radial submersible pumps.

4", 6", 8", 10" submersible pumps.  
Applications: lifting, pressurizing and distribution in civil and industrial installations, autoclave and cistern inlets, washing plants, irrigation systems.  
Materials available: carbon steel, cast iron, brass, noryl, stainless steel AISI 316 and 304.

**50 Hz**  
Q max: 210 m<sup>3</sup>/h (925 U.S.g.p.m.)  
H max: 955 m (3133 feet)  
Power: 0.37÷185 kW (0,55÷250 HP)  
**60Hz**  
Q max: 230 m<sup>3</sup>/h (1012 U.S.g.p.m.)  
H max: 885 m (2903 feet)  
Power: 0.37÷185 kW (0,55÷250 HP)



TB SERIES



RESIDENTIAL SERIES



MBS  
MBSH  
MBSL  
SERIES



CONTROL  
PANELS  
&  
VFD



CL  
SERIES



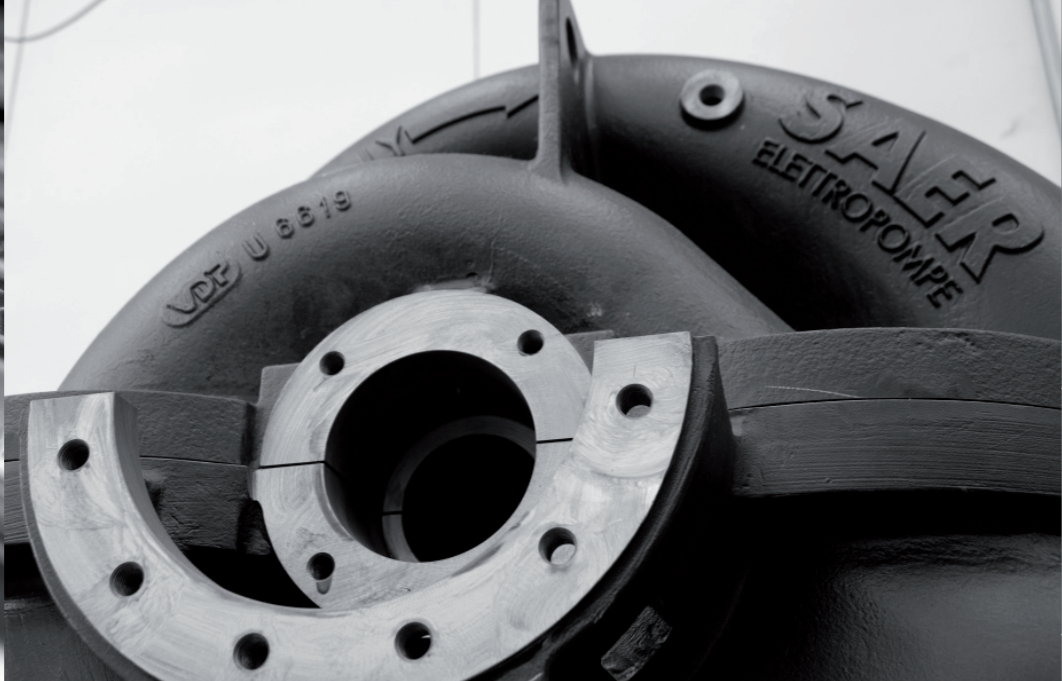
MS  
SERIES



S  
SERIES



FS, NS,  
NR  
SERIES



Come and visit us.

High quality standard, most advanced production technologies, know-how, efficiency and best delivery time. Come and visit our Company. You'll understand why it's not just marketing, it's reality.

## Addresses.

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