

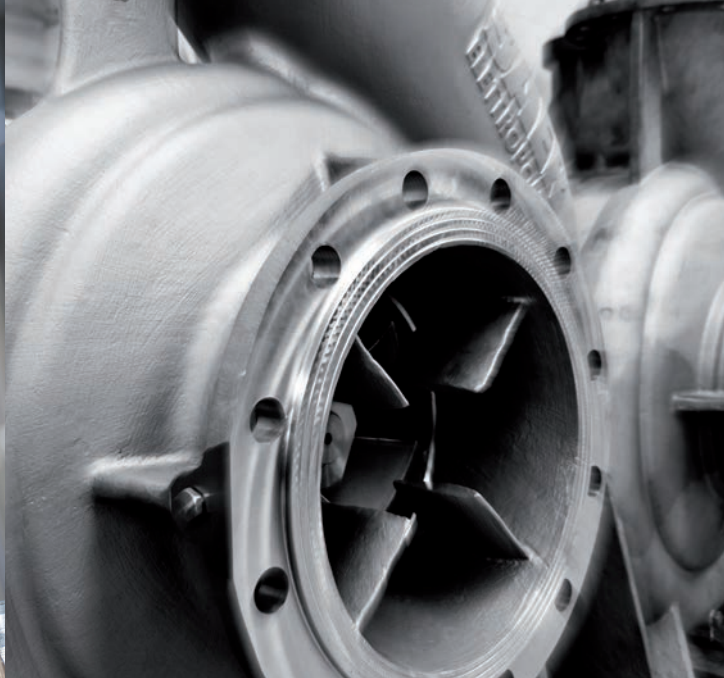
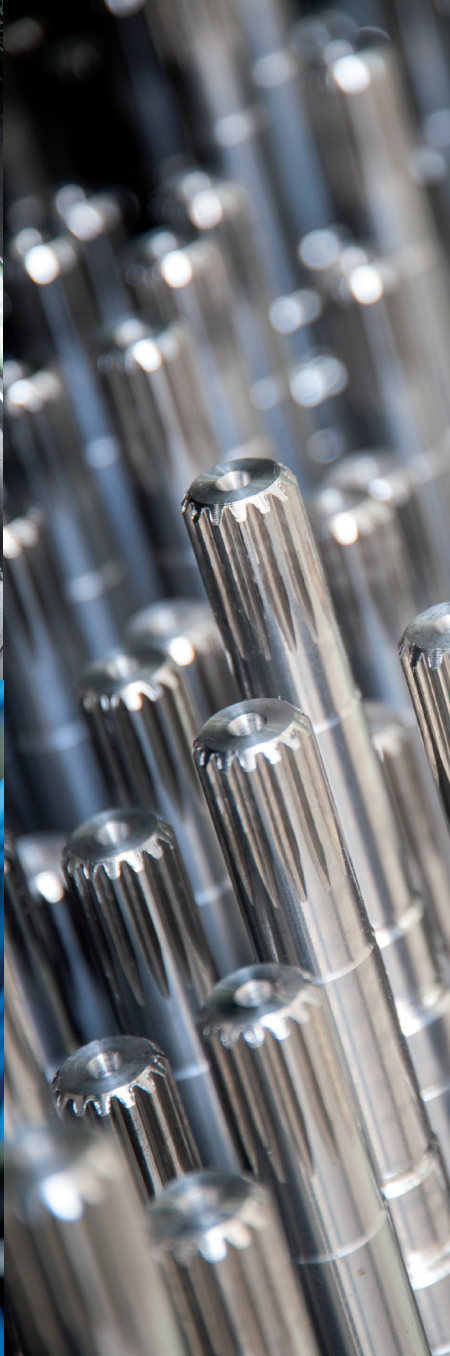
# Брошюра на продукцию SAER

По вопросам продаж и поддержки обращайтесь: [sra@nt-rt.ru](mailto:sra@nt-rt.ru) [www.saer.nt-rt.ru](http://www.saer.nt-rt.ru)

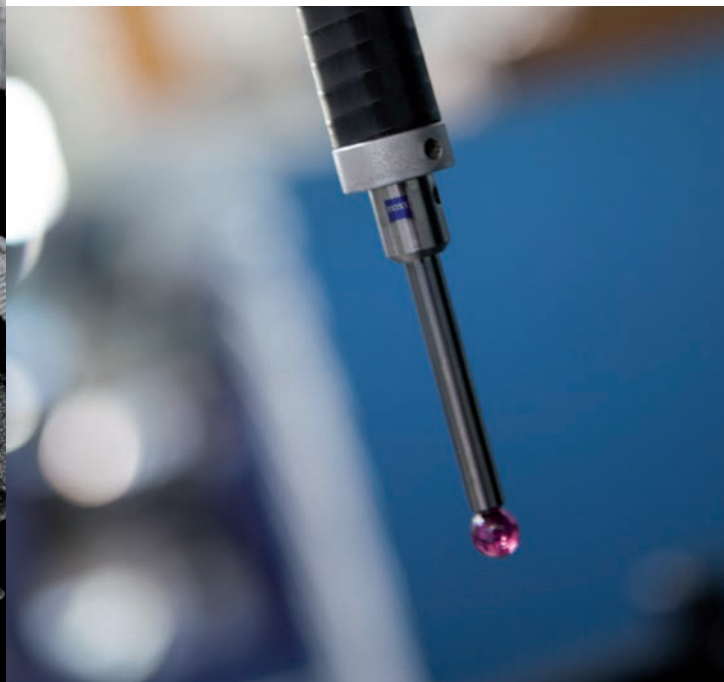
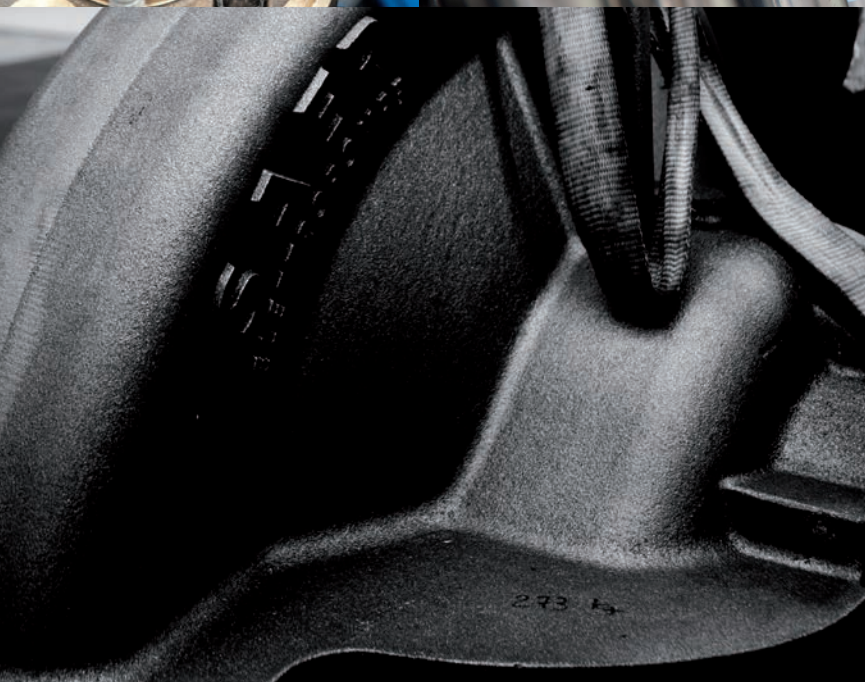
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**SAER**  
ELETTOPOMPE



# 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, fully automated 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 first detail to the final result.

## **TECHNOLOGY, RESEARCH AND INNOVATION.**

Automation of the entire production process, 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 at short notice products on demand, integrating them in its wide range, giving to Customer a quality and efficient service.

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



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. Latest 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.

Five industrial hubs for made in Italy production.



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

Fields of applications:

Industry  
Irrigation  
Residential

Oil and Gas  
Marine  
Mining

Agriculture  
Municipality  
RO

Firefighting  
Heating  
Cooling

Water supply  
Water treatment  
Groundwater supply

A complete range  
suitable for any  
need.

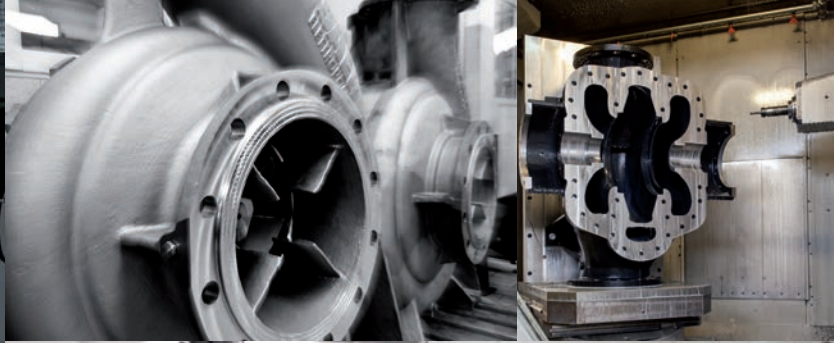
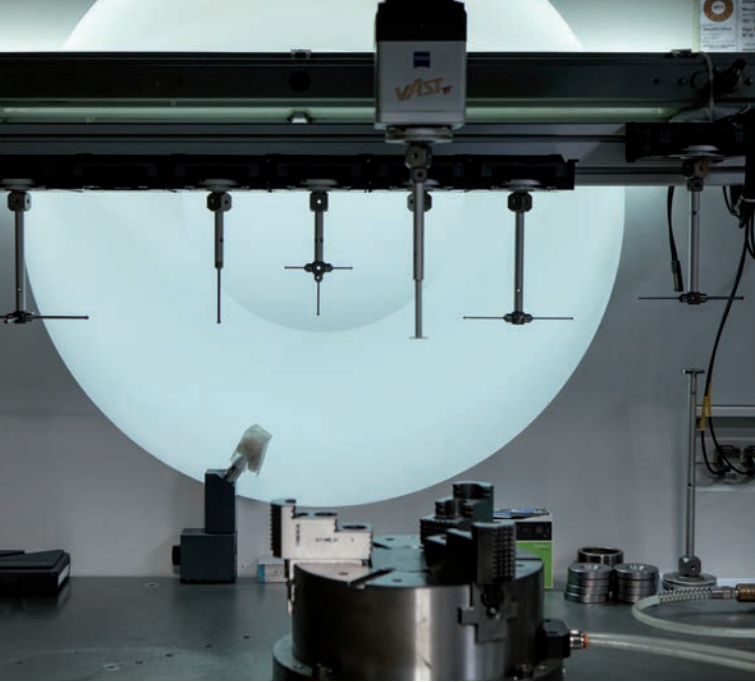


R&D departments: a team of qualified engineers is continuously researching new techniques and technologies.

Orientation towards performance improvement: through cost controls using tools as CFD and FEA software and prototypes, 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 for the future.

State of the art  
technology gets  
energy saving.



Carrying out a high efficiency pump or motor not only as a prototype but as a series, is not a design issue only. All aspects are realized by the end of the project.

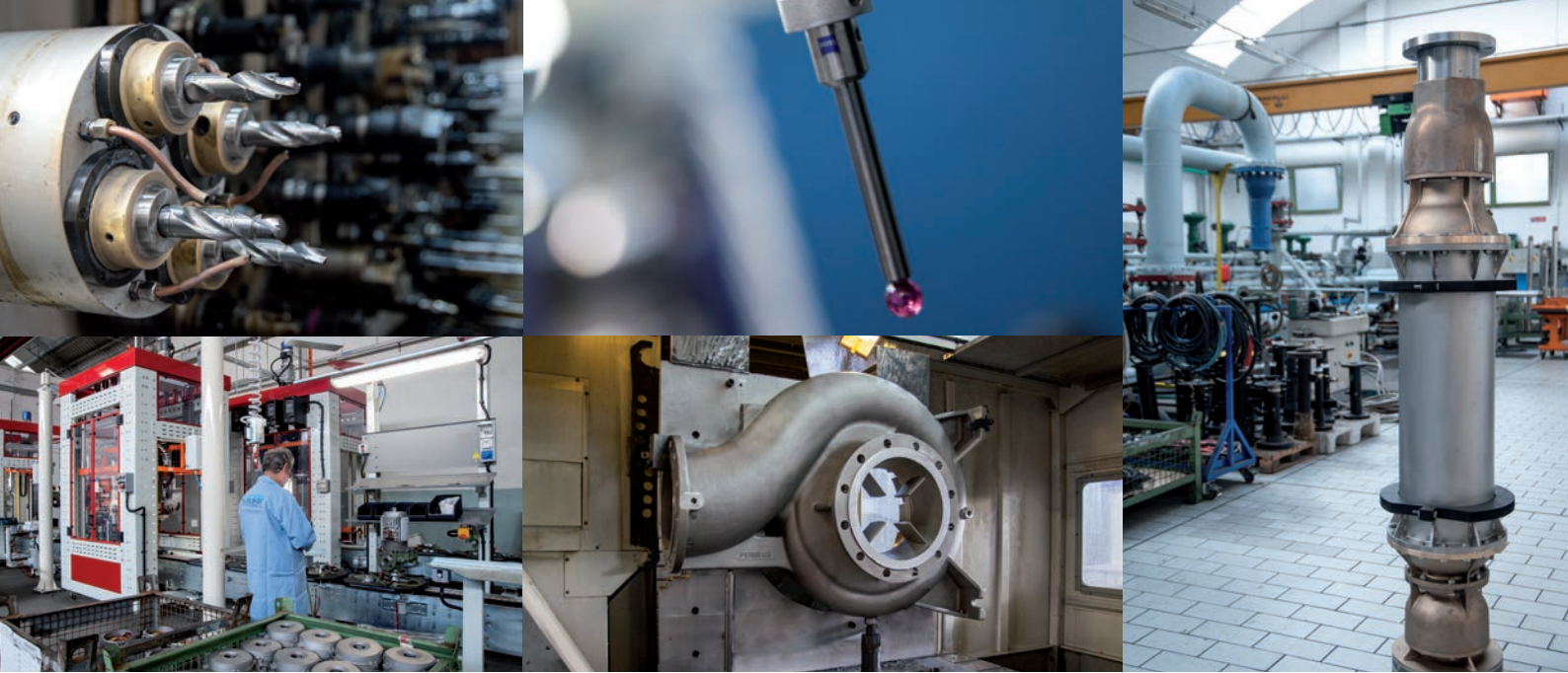
Quality control department: from the beginning to the end, several controls are made during the manufacturing process, checking values, measurements, materials, results.

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 made 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 to meet all customers requirements.

# Because quality is a matter of details.



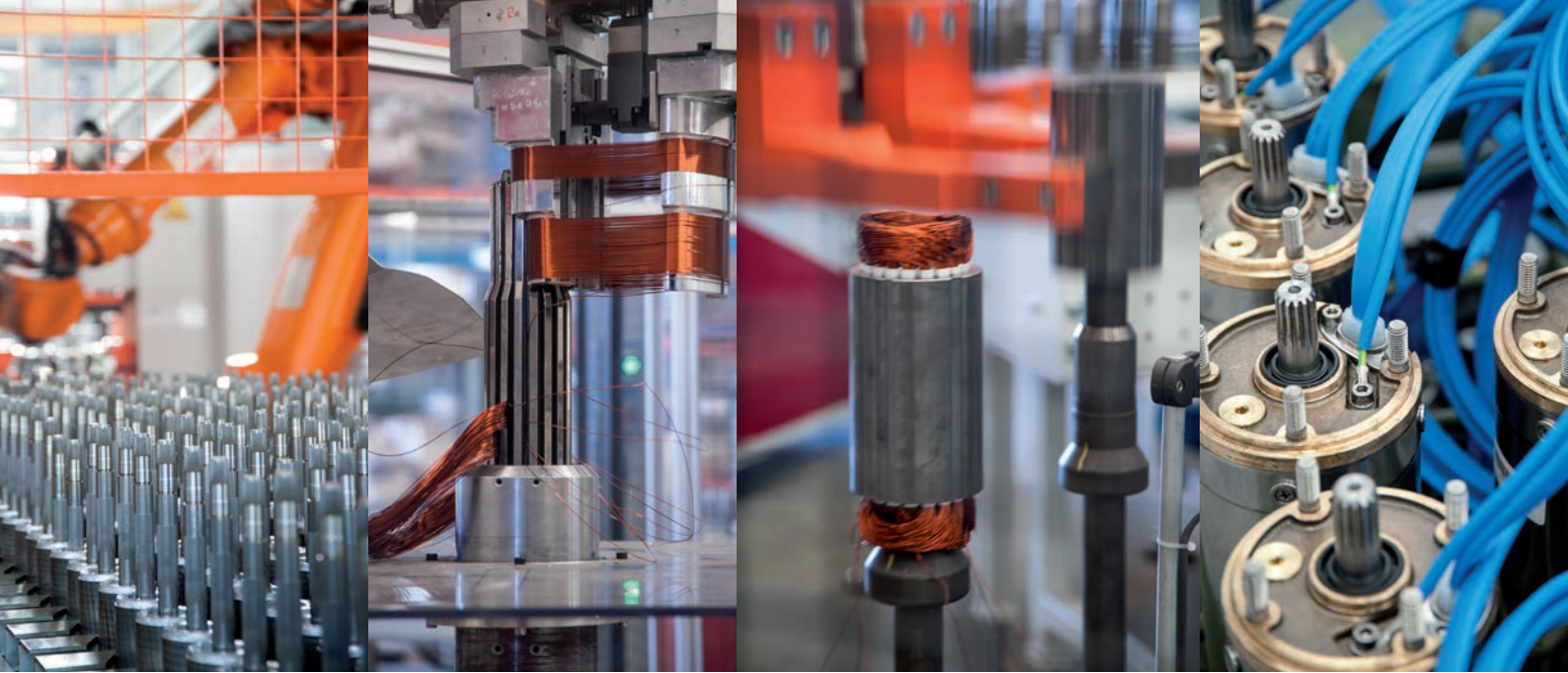
Fully automated processes:  
by continuous development of new systems, SAER has reached a high standard know-how for technical automatic processes of production. The full automation was a goal that the Company has achieved over the years thanks to the consolidation of our worldwide trademark.

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 form our background, make for the continuous development of new products.

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

# Automated production from raw materials to the final result.





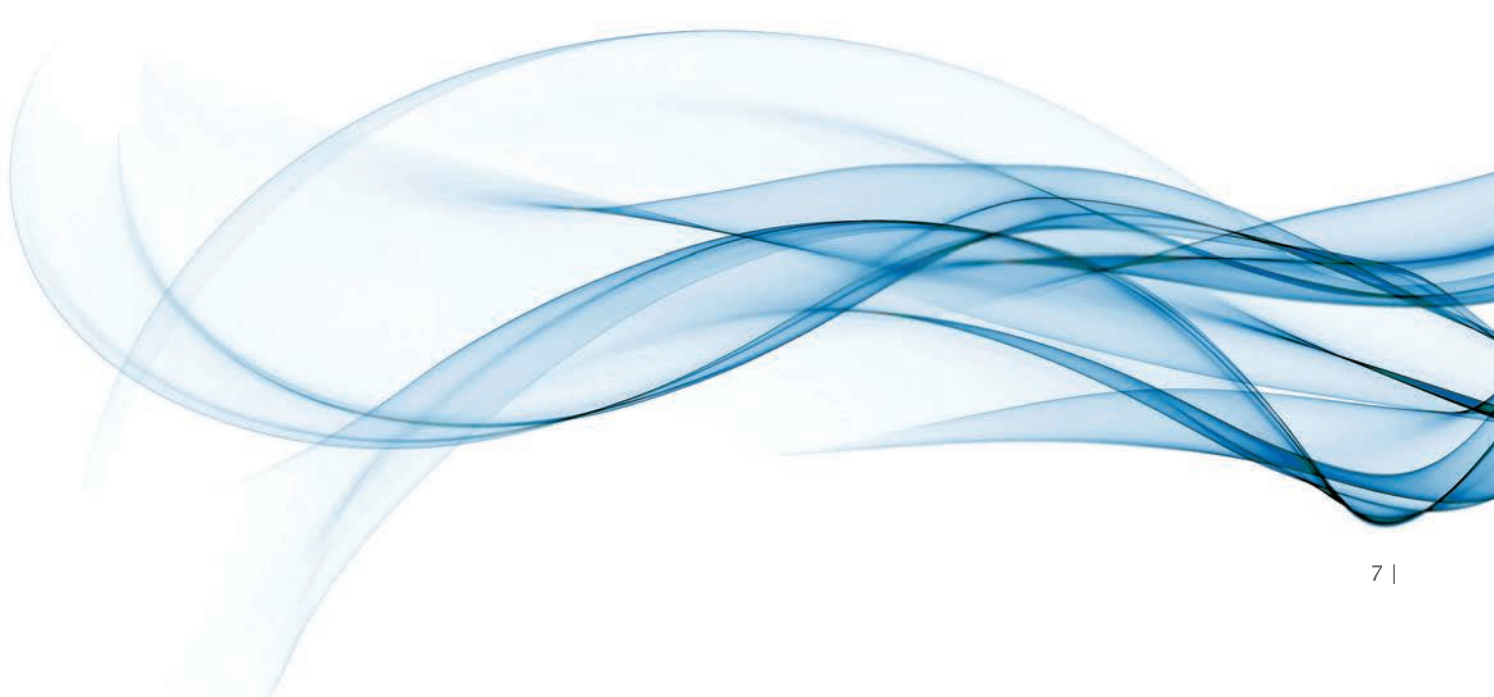
Further to pumps, SAER  
also manufacture motors.

Internal production: all stages  
of production are done  
internally from the start to finish.

Windings: made automatically  
to give top performances.

Full motor production tested.

# Advanced technology.



# Back pull-out design for easy maintenance.

## 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  
(1762 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  
(2313 U.S.g.p.m.)  
H max: 113 m  
(371 feet)  
Power: 0,37÷37 kW  
(0,5÷50 HP)



IR  
SERIES

## In-Line pumps.

2 or 4 poles version.  
Applications: HVAC, in industrial and civil applications. For installation in series directly to the piping.  
Available materials: cast iron, bronze, stainless steel AISI 316.

**50 Hz**  
Q max: 580 m<sup>3</sup>/h  
(2554 U.S.g.p.m.)  
H max: 90 m  
(295 feet)  
Power: 0,37÷75 kW  
(0,5÷100 HP)

**60 Hz**  
Q max: 700 m<sup>3</sup>/h  
(3082 U.S.g.p.m.)  
H max: 86 m  
(282 feet)  
Power: 0,37÷75 kW  
(0,5÷100 HP)



L  
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)



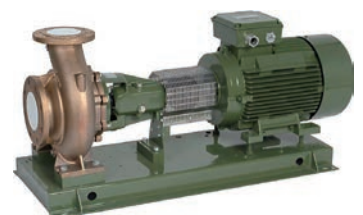
MG  
SERIES

## 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  
(2970 U.S.g.p.m.)  
H max: 129 m  
(423 feet)  
Power: 0,37÷160 kW  
(0,5÷220 HP)

**60 Hz**  
Q max: 800 m<sup>3</sup>/h  
(3524 U.S.g.p.m.)  
H max: 113 m  
(371 feet)  
Power: 0,37÷110 kW  
(0,5÷150 HP)



NCB  
SERIES

# Wherever high pressure or large flow is required.

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: 2600 m<sup>3</sup>/h  
(11440 U.S.g.p.m.)  
H max: 122 m  
(400 feet)  
Power: 18,5÷400 kW  
(25÷540 HP)



NCBK  
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: 110 m<sup>3</sup>/h  
(484 U.S.g.p.m.)  
H max: 394 m  
(1292 feet)  
Power: 0,75÷45 kW  
(1÷60 HP)

60 Hz  
Q max: 130 m<sup>3</sup>/h  
(572 U.S.g.p.m.)  
H max: 385 m  
(1263 feet)  
Power: 0,75÷45 kW  
(1÷60 HP)



MK  
SERIES

Multistage vertical and horizontal pumps.

2 or 4 poles version.  
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: 850 m<sup>3</sup>/h  
(3740 U.S.g.p.m.)  
H max: 630 m  
(2067 feet)  
Power: 15÷710 kW  
(20÷960 HP)

60 Hz  
Q max: 1020 m<sup>3</sup>/h  
(4488 U.S.g.p.m.)  
H max: 630 m  
(2067 feet)  
Power: 15÷900 kW  
(20÷1200 HP)



TM  
SERIES

Split casing pumps.

2, 4, 6, 8 poles version.  
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: 300 m  
(984 feet)  
Power: 15÷1200 kW  
(20÷1650 HP)

60 Hz  
Q max: 5000 m<sup>3</sup>/h  
(22014 U.S.g.p.m.)  
H max: 300 m  
(984 feet)  
Power: 15÷1200 kW  
(20÷1650 HP)



SKD  
SERIES

# Practical and efficient

## 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.

## 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)

## 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.

## 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)



RESIDENTIAL SERIES



OP SERIES



TB SERIES



MBS  
 MBSH  
 MBSL  
 SERIES

# Under water reliability.

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. Available materials: brass 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. Available materials: carbon steel, cast iron, bronze, 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. Available materials: carbon steel, cast iron, bronze, stainless steel AISI 316, DUPLEX.

**50 Hz**  
Q max: 725 m<sup>3</sup>/h  
(3194 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  
(3194 U.S.g.p.m.)  
H max: 388 m  
(1273 feet)  
Power: 4÷300 kW  
(5,5÷400 HP)

Radial submersible pumps. Solar pumps.

4", 6", 8", 10" submersible pumps. Electric pumps available in version for solar energy feeding (models up to 0.55kW), suitable control panel included. Application: lifting, pressurizing and distribution in civil and industrial installations, autoclave and cistern inlets, washing plants, irrigation systems. Available materials: 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)

**60 Hz**  
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)



CL  
SERIES



MS  
SERIES



S  
SERIES



SL, FS,  
NS, NR  
SERIES

# Innovative solutions.

## Ballast pump.

Applications: submersible monoblock pump for emptying or filling reservoirs or for marine bilge systems.

Available materials: bronze, stainless steel AISI 316.

Q max: 320 m<sup>3</sup>/h  
(1409 U.S.g.p.m.)  
H max: 69 m  
(226 feet)  
Max Power: 45 kW  
(60 HP)



SM  
SERIES

## Centrifugal pumps with open impeller.

4 or 6 poles version.

Applications: for drainage and waste water for dry installation: the pumps can be used for the pumping of industrial and domestic waste waters, viscous liquids and corrosive ones, with fibrous and solid substances, sewage coming from farm treatment, dirty & muddy water. The machines can be produced with both open impeller and closed impeller.

Q max: 1600 m<sup>3</sup>/h  
(7045 U.S.g.p.m.)  
H max: 60 m  
(197 feet)  
Max Power: 160 kW  
(215 HP)  
Passaggio corpi solidi:  
max 100 mm  
Passing of solids:  
max 100 mm



NCA  
SERIES

## Pressurization unit.

Applications: an exclusive and patented electronic pressurization system created by SAER. The innovative technology is created by the insertion of a submersible electric pump into a stainless steel tank which, driven by electronic equipment, can maintain a consistent delivery of pressure, regardless of the demanded flow. The T-ONE can be assembled in groups and is battery operated. For water distribution and pressurization in civil, agricultural and industrial applications.

Available materials: brass, stainless steel AISI 304.

Q max: 15 m<sup>3</sup>/h  
(66 U.S.g.p.m.)  
H max: 91 m  
(299 feet)  
Power: 0,55÷1,5 kW  
(0,75÷2 HP)



T-ONE  
SERIES

## 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 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.

Surface motors.

Standardized motors, available in different efficiency classes and forms. Produced entirely in Italy



CONTROL  
PANELS &  
VFD

MT  
SERIES

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