Our range of submersed pumps has been designed to meet all needs related to the pumping, treatment and movement of waste waters and clear waters, and in all situations in which the water used contains solid residues. The different types of submersed pumps, linked to the wide range of accessories available, ensure high performance and versatility of use. The emptying of wells, garages and cellars or the lifting of rain/waste waters, industrial applications and irrigation of gardens and orchards require different technical and construction characteristics. Our submersed pumps offer the most suitable technical solutions for different needs ensuring the best possible performance for the specific application and ensuring high reliability of operation.

The flexibility and manageability of the smaller models allows their use in fixed or mobile applications. The vortex impellers, single or semi-open, those equipped with a cutter and those with a grinder-type shredder allows the treatment black water with the presence of solid or filamentous substances. The accessories available for the different models, such as the magnetic float for clear water or the minimum suction device up to 3 mm allow completion of the functions of the pumps increasingly adapting to the demands of different uses.
Sectors and Areas of Application

- **Emptying of wells, garages and cellars**
  For the emptying of domestic premises subject to flooding or water infiltrations.

- **Emptying of tanks and cisterns**
  For aspiration from water recovery systems.

- **Handling of load liquids of solid or filamentous substances in suspension**
  For the drainage of sludge with solid or filamentous particles.

- **Civil and industrial waste water evacuation**
  For the drainage of discharges of residential or industrial uses.

- **Drainage of sublevel areas**
  For the extraction of water from lower level areas.

- **Emptying of cesspools**
  For the emptying residential and industrial sewage systems.

- **The lifting of rainwater**
  For movement of the water contained in rainwater recovery tanks.

- **Irrigation of gardens and vegetable gardens**
  For gardening and small-scale agriculture.
Technology, performance, quality

Technology, Performance, Quality: words that can take on different shapes and meanings. For EBARA they assume a precise meaning. They represent the characteristics that distinguish their products and that are also found in the wide range of submersed electric pumps: high technology used in production, performance of a very wide range that covers the most types of use, quality in the details and precision of the technical solutions adopted.

The steel submersible pumps summarise all this: the steel range was conceived and designed to offer high quality standards in the field of domestic applications.

The same quality, the same technology, the same EBARA imprint also in submersible pumps
From long and proven industry experience, high technology comes to small household electric pumps

Small domestic pumps or for large industrial plants, there is no difference. Our goal is to offer the product that best suits requirements, in every situation. For these reasons we offer our experience, gained in more than 100 years in the field of waste water treatment, both for industrial products and for domestic pumps.

The electric pumps are made of stainless steel AISI 304, to ensure maximum reliability and resistance. The technical solutions adopted, as well as the matching accessories, ensure this range of high performance and a variety of solutions that adapt to any need.

The OPTIMA, easy-to-use light-water electric pumps, are part of this range. The BEST ONES, also for clear waters that also feature the vortex type impeller option (BEST ONE VOX version). Following on, with similar constructive characteristics but offering greater performance, are the BEST 2 - 5. The two larger models complete the range of submersed steel pumps; the DW - DW VOX, suitable for waste water, used with sewage and also available with a vortex impeller.

The Vox type impellers available on a number of models, as well as the minimal suction device or the magnetic float, are accessories that best express the versatility of domestic pumps. Quality and technological innovation, distinctive signs of EBARA.
OPTIMA
Submersible pumps in AISI 304

Submersible electric pump for clear water with AISI 304 stainless steel hydraulics. Pump body, intake grille, seal holder disc and motor casing are in AISI 304. Impeller in PPE + PS reinforced with glass fibres, and shaft in AISI 303.

The mechanical seal is standard (Ceramic/Carbon/NBR)
- MA version (fig.1) with float
- MS version (fig.3) with MS vertical magnetic float with reduced dimensions for clean water

Accessories
- 1"¼ hose connector and relative hose clamp (optional)
- Minimum suction device up to 3 mm (fig. 2)

Practical and easy to use
Possibility of use in fixed and mobile installations
Resistant to corrosion

- Total head from 1.5 to 7 m
- Capacity from 1.2 to 9 m³/h
- Maximum immersion 5 m
- Maximum liquid temperature 50°C
- Maximum solid size passage 10 mm

Low suction device
- It allows aspiration to 3 mm from the ground (only for M and MA version).
- Easily mountable with simple pressing

MS magnetic float (vertical)
- It allows the use of floating pumps where space is limited (not compatible with low suction device)

Performance curve
50Hz

INSTALLATION
The OPTIMA electric pumps have a wide versatility of installation. The possibility of choosing between the vertical magnetic float (small) or the float switch allows choosing of the best option, also based on the space available to insert the pump. Furthermore, the choice of switch type also depends on the water level for which pump start is preferred.
BEST ONE - ONE VOX

Fully submersed electric pumps in AISI 304

- Possibility of use in fixed and mobile installations
- Resistant to corrosion
- Practical and easy to use

Submersible electric pump for clear water with AISI 304 stainless steel hydraulics. Outer casing, impeller, filter, motor cover, seal holder disc and motor case all in AISI 304, shaft in AISI 303. The mechanical seal is standard in Ceramic/Carbon/NBR. Provided with 5 m of power cable type H05 RN - F (single phase), H07 RN - F (three phase) for internal use, with or without float.

Special Versions
- Version MA (fig. 1) with float
- Version VORTEX (VOX) (fig. 2)
- Version MA (fig. 3) with magnetic float

MS vertical with reduced dimensions for clean water

Accessories
- 1⅞ hose connector and relative hose clamp (optional)
- Minimum suction device up to 3 mm (fig. 4)

- Total head from 1,5 to 7,8 m for BEST ONE and from 1,3 to 5,5 m for BEST ONE VOX
- Capacity from 1.2 to 10.2 m³/h
- Maximum immersion 5 m
- Maximum liquid temperature 50°C
- Maximum solid size passage:
  - 10 mm
  - 20 mm for version VOX (VORTEX)

Low suction device
It allows aspiration to 3 mm from the ground (only for M and MA version). Easily mountable with simple pressing.

MS magnetic float (vertical)
It allows the use of floating pumps where space is limited (not compatible with low suction device)

Performance curve

50Hz

IN INSTALLATION
The BEST ONE electric pumps have a wide versatility of installation. The possibility of choosing between the vertical magnetic float (small) or the float switch allows choosing of the best option also based on the space available to insert the pump. Furthermore, the choice of switch type also depends on the water level for which pump start is preferred.
BEST 2-5
Submersible pumps in AISI 304

Submersible electric pump completely in AISI 304 stainless steel.
The pump body, the impeller, the suction grille, the motor cover, the seal holder disc and the motor case are in AISI 304.
The shaft is in AISI 303 (part in contact with the liquid). Double mechanical seal with oil chamber: the upper one in Carbon/Ceramic/NBR (motor side), the lower one in SiC/SiC/NBR (pump side).

SpecialVersions
- MA Version with float

Possibility of use in fixed and mobile installations
Practical and easy to use

- Total head from 3 to 18 m
- Capacity from 1,2 to 21 m³/h
- Maximum immersion 7 m
- Maximum liquid temperature 35°C
- Maximum solid size passage 10 mm

INSTALLATION
The BEST 2 - 5 electric pumps are also available with a float switch, thus increasing the versatility of use. The choice of the use of the float switch requires the respecting of minimum installation spaces to guarantee correct operation of the pump itself.

Performance curve
50Hz

![Performance curve graph]
DW – DW VOX
Submersible electric pumps for waste water in AISI 304

Submersible electric pumps in stainless steel AISI 304 for sewage. They have a pump body, impeller, motor cover, seal holder disc and motor case in AISI 304, while the shaft is in AISI 303. Double mechanical seal with interposed oil chamber: the upper one in carbon/ceramic/NBR (motor side), the lower one in SiC/SiC/NBR (pump side).

G20 cast iron spacer (only for DW – DW VOX 300). Available single-phase versions with or without float.

Special Versions
- Single-channel impeller version (DW)
- Vortex type impeller version (DW VOX)
- Flanged version (DWF/DW VOXF)

Accessories
Descent device kit
- Guide hook DW - DW VOX in cast iron
- Fixed hook DW - DW VOX in cast iron
- On request version with special seal of Tungsten Carbide/Tungsten Carbide + FPM O-Ring

Performance curve 50Hz

- Total head from 2 to 20 m for DW and from 1,5 to 16,1 m for DW VOX
- Capacity from 6 a 54 m³/h for DW and from 6 to 48 m³/h for DW VOX
- Maximum immersion 7 m
- Maximum liquid temperature 40°C
- Maximum solid size passage 50 mm

INSTALLATION
The DW - DW VOX electric pumps are also available with a float switch, thus increasing the versatility of use. The choice of the use of the float switch requires the respecting of minimum installation spaces to guarantee correct operation of the pump itself.

Possibility of use in fixed and mobile installations
EZ-finder, more than just a simple selector

EZ-finder, a way to look for a model of electric pump? More. Much more.
It is the ultimate tool to find and select the right product for your needs.
Thanks to the logic of the selector, it is possible to search for a product in various ways: according to the point of work, by entering the model name or by selecting the application type. Simple, the right product in seconds.
EZ-finder is the ideal tool available to the installer, the designer or the engineer.

Discover it at the link https://ezfinder.ebara.com

Everything that you need just a click away
visit our website www.ebaraeurope.com

Data book
Complete technical documentation to be consulted to obtain all the data related to the pumps

Instruction manual
The manual with all the information needed for correct installation of our pumps

Kensaku
a system for the selection of spare parts

Ez-finder
The correct pump selection software for every need
https://ezfinder.ebara.com

Service
A team of professionals at your disposal to advise you in your choice of pump and to offer post sale assistance
EBARA sales network

EUROPE

EBARA Pumps Europe S.A." 22 Via Torri di Conti 27, 680 13678 Bagnolo di Sopra (VL) - Italy Phone +39 0362 959104 Fax +39 0362 959300 Sales & Sales Support E-mail support@ebara.com Technical Customer Service (TCS) E-mail tcs@ebara.com Phone +39 044 7068688/932933 Marketing E-mail marketing@ebara.com European Market E-mail e-marketing@ebara.com

EBARA Pumps Europe S.A. GERMANY 11407 Berlin Lietzestr. 42 Phone +49 (0) 30 390415 Fax +49 (0) 30 3904160 Marketing E-mail marketing@ebara.de EBARA Pumps Europe S.A. FRANCE 32000 Périgueux Parc Technologique de Périgueux, ZI Périgueux-Parthenay Phone +33 5 57 89 65 09 Fax +33 5 57 89 65 10 E-mail marketing@ebara-france.com

ASIA AND SOUTH-EAST ASIA

EBARA Corporation 11-1, Mareda Aoyama, Chita-ku, Toyota 471-8510, Japan Phone +81 3 3763 0111 Fax +81 3 3763 3100 E-mail webmaster@ebara.co.jp

EBARA Corporation Fujisawa plant 4-1-1, Nishifujisawa, Fujisawa-shi Kanagawa 251-8501, Japan Phone +81 468-91-2164 Fax +81 468-91-2165

EBARA Machinery (China) CO.LTD. Room No.505, Beijing Fortune Plaza, No.7 Congwenbei Dong Road, Chaoyang District, Beijing, 100027, China Phone +86 10-6370-6468 Fax +86 10-6370-7064 E-mail sales@ebara.cn

EBARA Europe S.p.A. FRANCE 98, Rue des Nationaux 94620 Quaineville Phone +33 1 69 33 91 81 Fax +33 1 69 33 91 80 E-mail sales@ebara-france.com

EBARA Europe S.p.A. UNITED KINGDOM Unit A, Park 34 Unit A, Park 34, Heddon on the Wall, Northumberland NE14 6TL, United Kingdom Phone +44 1665 510565 Fax +44 1665 510599 E-mail sales@ebara-uk.com

EBARA Pumps Europe S.A. FRANCE 33000 Périgueux Parc Technologique de Périgueux, ZI Périgueux-Parthenay Phone +33 5 57 89 65 09 Fax +33 5 57 89 65 10 E-mail marketing@ebara-france.com

EBARA Pumps Europe S.A. FLUID MACHINERY EUROPE Middelburgseweg 22, 5731 LC Middelburg Phone +31 6 11 11 04 68 Fax +31 6 11 11 04 69 E-mail sales@ebara.nl

EBARA Pumps Europe S.A. AUSTRALIA PO Box 53, 17 Holloway Drive, Epping, NSW 2121 Phone +61 02 9761 1000 Fax +61 02 9761 3044 E-mail sales@ebara.com.au

EBARA Pumps Europe S.A. THE NETHERLANDS Via Pacinotti 32 - 36040 Brendola (VI) - Italy Phone +39 0362 959104 Fax +39 0362 959300 E-mail marketing@ebara.com

EBARA Pumps Europe S.A. BUSINESS SUPPORT Phone +39 0362 959104 Fax +39 0362 959300 E-mail marketing@ebara.com

EBARA Pumps Europe S.A. Technical Customer Service Phone +39 044 7068688/932933 Fax +39 044 7068689 E-mail tcs@ebara.com

EBARA Pumps Europe S.A. EBARA sales network

EBARA Pumps Europe S.A. sales network

EBARA Pumps Europe S.A. sales network