



HYDROPOMPE

SOLUTIONS FOR DRAINING ALL KIND OF WATER

HYDRO

SERIES

SUBMERSIBLE ELECTROPUMPS
FOR CLEAR AND DIRTY WATER

F

SERIES

SUBMERSIBLE ELECTROPUMPS
FOR WASTEWATER

FTR

SERIES

SUBMERSIBLE ELECTROPUMPS
WITH GRINDER UNIT

PX

SERIES

SUBMERSIBLE ELECTROPUMPS
WITH DIRECT CURRENT MOTOR

SPECIALIZED IN ELECTRIC SUBMERSIBLE PUMPS

Hydropompe srl was set up over forty years ago, directing its activities towards the field of metal and working with machine tools.

Within the company the expertise in the field of mechanical engineering becomes soon more refined and specialized towards the design and construction of submersible pumps for heavy-duty applications such as pumping and sludge treatment coring and excavation in depth. A specialization that was immediately welcomed by the market and that continues to distinguish our work.

Our experience and craftsmanship, combined with updated technological and management support enable us to maintain a high level of quality and to be present on the market with a wide range of products made entirely in Italy, as a guarantee of quality and reliability.

A MODEL FOR EVERY KIND OF WATER

We have evolved year after year. Water has always been our most valuable asset. Respecting it also means being able to control the flow so as to ensure the best use. For this reason, for almost forty years, we are engaged in the conception, design and implementation of tools for water drainage both for domestic and industrial use. Hydropompe produces and sells worldwide a wide range of solutions for pumping of aquifers flows. Our products respond individually to every kind of need, ensuring the highest quality and an excellent customer service.



WATER
CLEAR



WATER
DIRTY



WATER
WASTE AND
SEWAGE



WATER
WITH ABRASIVE
SOLIDS



WATER
WITH GRINDABLE
SOLIDS

A MODEL FOR EVERY EMPLOYMENT

For a always reliable pumping in all conditions and with any kind of liquid, you need a submersible pump specific for each environment (construction sites, mines, sewage, construction works, home environment). A proper sizing of the pump ensures the ability to work as efficiently and effectively as possible. To satisfy many demands, the models differ mainly according to the materials of the components, the type of impeller and the different characteristics of flow rate and head.



SECTOR
DOMESTIC



SECTOR
CIVIL



SECTOR
INDUSTRIAL



SECTOR
WATER
PURIFICATION



SECTOR
CONSTRUCTION

AN INTERNATIONAL COMMERCIAL NETWORK

We are well known in Italy but most of our products are well known also abroad. Our success abroad is the natural consequences of definite choices we made in the past. The business relationships with our foreign partners started many years ago as a challenge with ourselves; we wanted to face up to new realities, to get new experiences and to be successful in a new and fascinating venture. What made us to get good results in Italy and abroad is the fact that we chose to select the business relations with qualitative and professional parameters suitable to our standards. The relations we establish with our partners are not only commercial but turned to grant us and all our staff a professional growth which permits us to set up a solid base for the future.

RESEARCH AND DEVELOPMENT, DESIGN AND PRODUCTION

Our submersible pumps are designed to fulfill the most demanding tasks, such as drainage of sewage, liquids containing solid material of substantial size and abrasive slurries. The sturdiness is one of the key features of these pumps which often have to work in harsh environments and in difficult conditions. The quality of materials with which the components are made can guarantee reliability and durability year after year.

To predict accurately the behaviour of flows is essential for the design of reliable pumping systems and of submersible pumps. Flow rate and head of a pump must be assessed according to the work that it has to fulfil. The ongoing scientific research on the materials that make up the electric pumps and their internal mechanisms permits a continuous improvement in the results, combined with a reduction in consumption.

MATERIAL

Cast iron pumps

Robustness and simplicity of construction make these pumps very versatile. They guarantee inexpensiveness both during the exercise stage and also during the one of maintenance of the installations in which they are employed.

Aluminium pumps

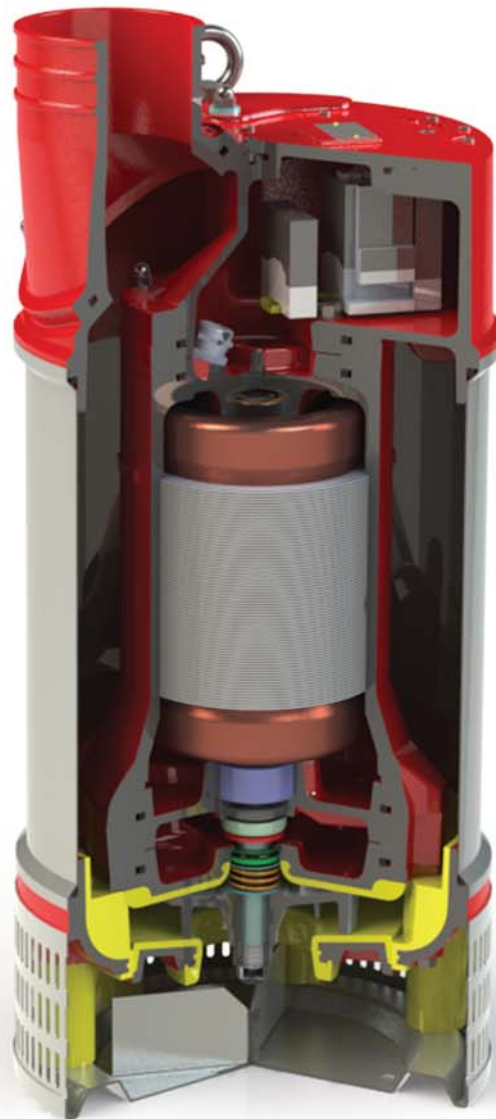
Made of aluminium alloy anti-corrosion, they guarantee easy handling and high performance. Thanks to some special wear-resistant coatings they can also work in particularly harsh conditions.

SHAFT AND BEARING

Stainless steel shaft (AISI 416-420-431). Deep groove ball bearings and double row ball bearings for higher powers. Compactness, robustness and balancing dynamic type, ensure low vibration and low noise during operation: all in favour of reliability and durability.

COATINGS WEAR

The wear-resistant rubber coatings and composite wear prolong the life of the pump, ensuring optimum performance even in particularly harsh conditions.



IMPELLER

The impeller is one of the key elements of a pump, the various configurations available both for the material and for type of interaction with the liquid allow us solutions suitable to every circumstance.

SAFETY

(For models that have it). Probe indicating the presence of water infiltration into the oil reservoir monitoring the operation of the mechanical seal and impeller thus preserving the motor chamber from the infiltration. The PTC probes in the stator windings protect the motor from overheating due to insufficient cooling or operation in non-standard conditions.

MOTOR

Motor asynchronous squirrel cage. It can be in dry chamber or in oil bath depending on the model. Insulation class F. Single-phase or three-phase.

MECHANICAL SEALS

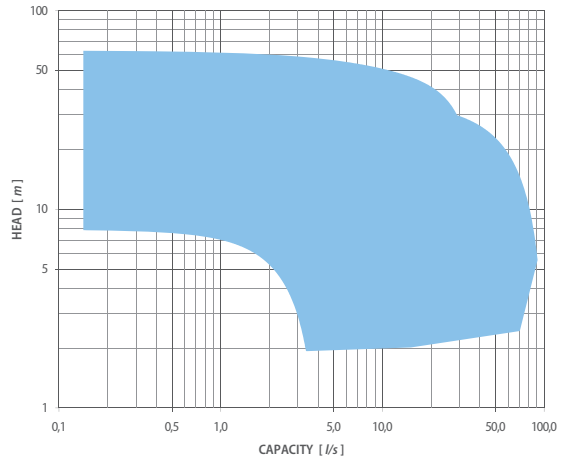
The pumps can be equipped with single or double mechanical seal depending on the configuration. They are built with specific and long lasting materials, suitable for every type of application, even in the most difficult one.

HYDRO

SERIES

The electropumps of the HYDRO series are designed for draining clear and dirty water. They are equipped with a strainer with maximum free passage for the solids according to the width of the slits. Suitable both for civil and industrial use, their versatility makes them suitable for many applications. They can be used as portable pumps ready for use for fixed installations.

Depending on the model, they may have a discharge outlet thread or smooth for the connection of a hose, motor in oil bath or dry chamber, double mechanical seal, stainless steel shaft and built-in protection against overheating. For the toughest jobs, hydraulic parts subject to wear are coated with rubber; adjustable they can maintain the hydraulic characteristics unchanged.



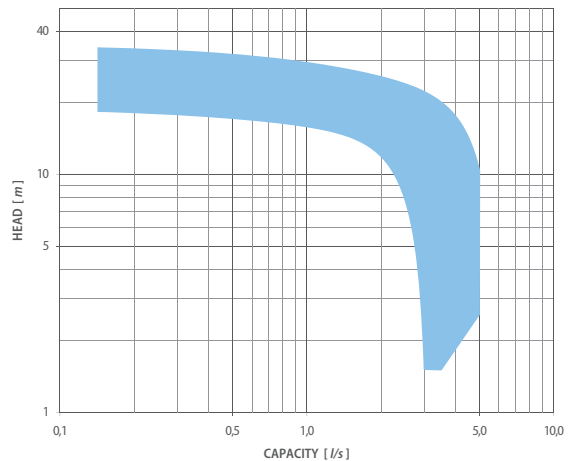
FTR

SERIES

Submersible pumps with grinder unit are suitable for the treatment of water in both domestic and industrial use. Used for pumping wastewater with fibrous solids and fibers, they can grind them into tiny fragments, allowing the passage also through small diameter pipes.

The hydraulics is designed to work at high heads with low flow rates, the cutter is made of special hardened steel for maximum cutting efficiency and maximum reliability.

They are available with support feet for a transportable installation and with coupling system for fixed installation.

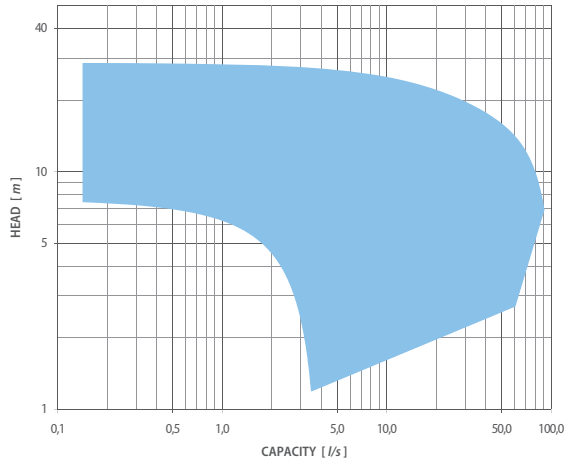


F SERIES

The F-series submersible pumps are suitable for pumping domestic sewage and for draining flooded rooms in general. The free passage of the impeller determines the maximum size of the suspended solids that can be pumped.

They are available with support feet or stand for portable installation and coupling system for fixed installation. Depending on the model they may have a threaded or flanged hose connection, motor in oil bath or dry chamber, double mechanical seal, stainless steel shaft and built-in protection against overheating.

The F-series submersible electropumps are available with single-channel or vortex impeller and with free passage up to 100 mm.



PX SERIES

The electro submersible pumps PX series are designed for drainage and lifting clear or slightly dirty water even in the absence of power from the electric network

Equipped with a continuous current motor (DC), they can be connected to batteries ensuring operation even in the absence of electric current and in emergency situations. The voltage is 12 or 24 volts. A dedicated control panel with automatic charger ensures efficiency.

They are great for lifting water from flooded rooms like basements and underground areas of villas, residential complexes, blocks of flats and in all the applications that cannot take advantage of the normal power supply.

