User Manual

IBO



Submersible Pump
IP 370 SEA

only persons who are thoroughly familiar with the user manual are authorized to operate the device.

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WARRANTY CARD 19

Any use of the device other than its intended use constitutes foreseeable misuse of the device.

This manual contains information regarding installation, operating parameters, routine maintenance, troubleshooting, safety instructions, etc. For your own safety, read it carefully before installation and operation. Keep this manual for future reference.

List of Abbreviations and Symbols

Warning!



The "danger" symbol is used for notes whose non-compliance may result in a risk to life or health from the electrical installation. Before performing any actions marked with this symbol, the pump's power cord must be disconnected from the electrical supply.

Warning!



The "danger" symbol is used for warnings; failure to follow them may result in danger to life or health.



Failure to follow the instructions in this manual may result in a risk of explosion or fire.

Caution!



This symbol is used for notes; failure to follow them may result in damage to the device and pose a risk to life or health.



Before installing and operating this product, please read this installation and operating manual carefully to avoid unnecessary losses.

Warning!



This user manual constitutes an essential part of the sales contract. Failure by the user to follow the instructions contained in this manual constitutes a breach of contract and precludes any claims arising from a potential device failure resulting from use not in accordance with the instructions.

The manufacturer is not liable for malfunctions of the device if it has been improperly connected, damaged, modified, and/or used for purposes outside the scope of recommended operations or contrary to the instructions contained in this manual. The manufacturer is also not liable for any errors in the user manual resulting from printing or copying errors. The manufacturer reserves the right to make any modifications to the product that it deems necessary and useful, provided such modifications do not affect its basic characteristics.

DAMBAT assumes no liability for damage to the equipment, property, or personal injury resulting from failure to follow the recommendations contained in this manual, including improper selection of the equipment, installation that does not comply with this manual, applicable standards, and national regulations, as well as improper maintenance of the equipment and the entire system.

This equipment is not intended for use by persons (including children) whose physical, sensory, or mental capabilities, or lack of experience and knowledge, prevent them from using the device safely without supervision or instruction.

General Notes

This device must be installed in accordance with technical guidelines.



The operator bears full responsibility for:
- Proper installation,
- Preventing hazards caused by improper operation.



The pump is designed for:
- Operation at 220–240 V/50 Hz AC,
- Pumping both fresh and saltwater, thanks to a double mechanical seal system and robust construction materials,
- Use in fish ponds; the filter helps protect small fish from entering the pump,
- Water temperatures up to 35°C
- A maximum submersion depth of 5 m,



The following types of operations are prohibited:
- Pumping wastewater,
- Pumping water containing acids, as well as liquids that cause excessive corrosion,
- Pumping water with a temperature exceeding 35°C,
- Pumping flammable and/or explosive substances (e.g., gasoline, paraffin, solvents, oil, fuel oil, or food products),
- Installation in an environment susceptible to freezing,
- Dry running.

Safety Precautions



The user must strictly observe Occupational Safety and Health regulations.



When starting the submersible pump, do not stand in the water or touch the pump with wet hands.



During repair work, unplug the unit from the power outlet. Any repair, installation, or modification work performed on the submersible pump or any of its live components may result in serious injury or even death.



At the installation site, the power source must be protected by a ground-fault circuit interrupter (30 mA).



The user must not modify any parts on their own initiative in a manner not specified in the operating and installation manual.

Electrical Safety



DANGER! Cardiac arrest!
This product generates an electromagnetic field during operation. Under certain conditions, this field may interfere with the active or passive operation of medical implants. To reduce the risk of conditions that could potentially cause injury or death, we recommend consulting with individuals who have medical implants, a physician, and the medical implant manufacturer before using the product.



If extension cords are used, they must meet the specifications listed in the table below:

Voltage	Cable Length	Cross-sectional area
230–240 V / 50 Hz	Up to 20 m	1.0 mm^2
230–240 V / 50 Hz	20–50 m	2.5 mm^2



If the power plug is cut off, moisture can enter the electrical components through the power cord and cause a short circuit.

- Never cut off the power plug (e.g., to run the cable through a wall).
- Do not use the power cord to disconnect the power supply.
- If the power cord is damaged, it must be replaced by the manufacturer, a service representative, or a similarly qualified person to avoid a hazard.



The power plug and extension cords must be protected from water splashes.
Ensure that electrical connections for plugs and outlets are made in areas protected from flooding.



Protect the power plug and power cord from heat, oil, and sharp edges.



Check the line voltage. The information on the nameplate must match the specifications of the power supply.



The pump's power plug must be unplugged before anyone enters the tank.

Safety Precautions



The power cord must not be used to secure or transport the pump.



Use a securing rope to submerge or lift/secure the pump. Please check the securing ropes regularly.



Always inspect the pump before use (especially the power cords and power connections).



Do not use a damaged pump. In the event of damage or repair, the pump must be inspected by IBO service.



The pump is factory-assembled and should not be disassembled.
Before using the pump after maintenance, make sure all parts are securely fastened together. Our pumps may be used with a generator, provided that the generator manufacturer's instructions are strictly followed.

Personal Safety

- Small parts can be easily swallowed. There is a risk of choking on plastic film. Ensure the safety of small children during installation of the unit.
- Observe the minimum water level as specified in the pump's technical specifications.
- Do not allow the pump to run for more than 10 minutes with the discharge side closed.
- Sand and other abrasive substances cause increased wear and reduce the pump's efficiency.
- The pump cannot operate with a pressurized water source.
- Only the IBO floating suction system may be installed on the inlet thread.
- The hose must not be disconnected during operation.
- Allow the pump to cool down before troubleshooting.
- Children must not play with the unit. Cleaning and maintenance must not be performed by children without supervision. Use of this unit by persons under 16 years of age is not recommended.
- Never use the device when you are tired, sick, or under the influence of medication, alcohol, or drugs.

Risk of Injury



Injuries caused by accidental activation of the product. Unplug the device from the power source before installation.

Product Description

The IP 370 SEA pump is a submersible pump designed for pumping technically pure fresh water and seawater. Thanks to the use of robust construction materials and a double seal, the pump is suitable for operation under demanding conditions.
The pump can be used, among other things, to pump water from storage tanks, rainwater tanks, and fish ponds. Thanks to the use of appropriate construction materials, it can also be used to pump seawater.
The pumped water must not contain abrasive contaminants, such as sand, gravel, or other hard particles, which could cause accelerated wear on the pump components.
The pump is equipped with a double seal (mechanical + lip seal), which provides effective protection for the motor and internal components against contact with the pumped water.
The durability of this design has been confirmed by a test involving 3,500 hours of continuous operation.

Automatic Water Level Control

The IP 370 SEA pump is equipped with an external electronic water level sensor that automatically controls the pump's start and stop.
The sensor does not continuously measure the water level. Its function is to detect specific threshold levels at which the pump should start or stop operating.
In the standard configuration, with the sensor placed on the floor:

- the pump turns on when the water level reaches approximately 3.5 cm,
- the pump turns off when the water level drops to approximately 2 cm.

This solution allows for automatic water drainage without the need for manual control of the pump.

Operation at a Lower Water Level

The pump can also operate in a configuration that allows water to be pumped out to a level lower than the standard setting.
In this case, remove the pump base, which allows the pump to be positioned lower and results in a lower shut-off level.

CAUTION!
When operated without the base, the pump will run without a filter installed. Operation without a filter is permitted only under conditions where the pumped water is clean and free of contaminants that could damage the pump or block its components.

Product Description

Removable Base
The pump is equipped with a replaceable base with a protective filter, allowing the unit's operating mode to be adjusted to the required water drainage level. Depending on the configuration used, the pump allows for:

- draining water to a level of 2 cm—with the base and filter installed, which protects the pump from sucking in larger contaminants,
- pumping water down to a level of 1 mm—with the base and filter removed.

CAUTION! Operating the pump without the base and filter allows water to be pumped to a lower level; however, ensure that the water does not contain debris that could cause the pump to become blocked or damaged.

Maximum particle size: 1–3 mm.

A. Pumping water down to a level of 1 mm
To achieve the minimum water discharge level, remove the base along with the filter and the float adapter.

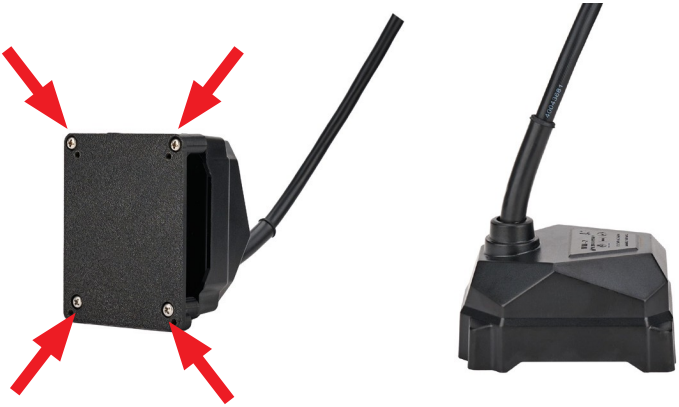
1. Remove the base with the filter.
   Grasp the base and turn it in the direction indicated by the arrow on the bottom of the base (counterclockwise). Once unlocked, remove the base from the pump.







2. Remove the float adapter.
Unscrew the four screws securing the adapter, then remove the adapter from the float.



3. Position the pump and float.
Place the pump in the designated location with the filter base attached. Position the float with the adapter attached directly next to the pump, on the same surface as the pump.



In this configuration:

- the pump will start when the water level reaches approximately 1.5 cm,
- the pump will run until the water level drops to approximately 1 cm,
- once this level is reached, the pump will shut off after a 10-second delay.

Product Description

B. Pumping water down to a level of 2 cm

To pump water down to a level of approximately 2 cm, use a pump with a mounted base equipped with a filter.

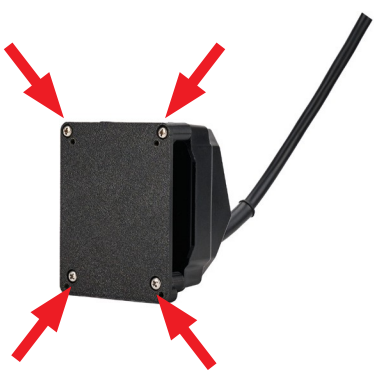
Pump Installation

1. Install the base with the filter.
Make sure the base is properly secured and locked onto the pump.
To do this, place the base on the pump and turn it in the direction of the arrow on the base (clockwise).



Installing the adapter

2. Place the adapter on the float, aligning the adapter's mounting holes with the holes in the float.
Screw the 4 mounting screws into the corresponding holes.





3. Position the pump and the float.
Place the pump in the designated location with the filter base installed. Position the float with the adapter attached directly next to the pump on the same surface as the pump.



Product Description

In this configuration:

- the pump will start when the water level reaches approximately 3.5 cm,
- the pump will run until the water level drops to approximately 2 cm,
- once this level is reached, the pump will shut off after a 10-second delay.

Float Adapter

The adapter is used to properly position the float when the pump is operating with the filter base installed. In this configuration, the pump will drain the water down to a maximum of 2 cm.



CAUTION! After each change to the pump's configuration, make sure the float is positioned right next to the pump on the same surface. Do not position the pump or the float in a way that impedes their proper operation.

Cleaning the Filter

To ensure proper pump operation, clean the filter regularly.

1. Disconnect the pump from the power source.
2. Remove the filter base from the pump.
3. Remove the filter from the base.
4. Rinse the filter under running water to remove any accumulated debris.
5. After thoroughly cleaning it, place the filter back into the housing.
6. Reattach the filter housing to the pump, making sure it is properly seated and secured.
7. Once these steps are complete, the pump is ready to be restarted.



Applications

The IP 370 SEA pump is particularly suitable for:

- pumping rainwater,
- draining water tanks,
- transferring clean freshwater,
- pumping seawater,
- draining water from technical tanks,
- applications in fish ponds,
- periodically lowering the water level in tanks.

The automatic level control system allows for maintenance-free pump operation—the device automatically starts and stops pumping depending on the water level.

In the standard configuration, the filter must remain installed. Removal of the filter is permitted only in configurations designed for operation at lower water levels and when using sufficiently clean water. Before starting operation, ensure that the level sensor is properly positioned and can freely detect changes in the water level.



Contaminants in the water must not exceed the maximum particle size allowed for the given pump type (see technical data) and must not be abrasive in nature, such as sand or gravel. The solid content in the water must not exceed 10%. The pump is designed to pump water free of abrasive solids.



Pumping water containing more than 10% solid contaminants will lead to rapid wear of the unit and, consequently, to failure. In such a case, repairs will be available only for a fee.



The pump is not designed to pump corrosive, flammable, destructive, or explosive substances (e.g., gasoline, nitro, crude oil, etc.), food products, or saltwater. Failures caused by pumping such liquids are not covered under warranty.



The maximum temperature of the pumped water is 35°C.



The pump is not designed to pump water containing excessive amounts of minerals, which cause scale buildup on the pumping components. Using the pump under such conditions will lead to premature wear of the working parts. In this case, pump repairs will be available only on a paid basis.



The pump must not be used to pump water containing oils or petroleum-based substances. Operating the pump with such water will damage rubber components—such as the cable or seals—and, as a result, cause the pump to leak and the motor to fail. In this case, repair of the pump will be available only for a fee.



The water being pumped must not contain long-fiber contaminants whose longest dimension exceeds the maximum contaminant diameter specified in the technical data for the given pump type.

Installation of a submersible pump



The pump must not run “dry” without water. Running “dry” will result in damage to the unit. In this case, repairs will be available only for a fee.

Water flows out of the pump through the discharge port. A discharge hose must be attached to the discharge port. Secure it to the port with a hose clamp (steel clamp). When selecting a discharge hose, keep in mind that the pump’s final flow rate depends on the hose’s diameter and length. The smaller the hose diameter and the longer the hose, the lower the flow rate at the end of the hose. The same principle applies to the difference between the water level in the tank from which you are pumping and the level to which you are pumping. The greater the difference in levels, the lower the pump’s flow rate. The parameter specified as “maximum lift” in the technical data indicates the maximum pressure the pump can generate. At this pressure, the pump’s flow rate will be zero. When submerging the pump in the tank, lower it using a cord attached to the pump handle.



Warning! Do not lift or lower the pump using the power cord or the float. Lifting or lowering the pump using the cord or float will, at best, damage the cords; at worst, it may result in electric shock.
The warranty provider and manufacturer are exempt from any liability in the event of failure to comply with this requirement. Repair of a damaged cable is possible only on a paid basis and is not covered by the warranty.



Warning! Do not insert your hands into the discharge or suction ports of a pump that is running or connected to a power source!

Electrical Installation



The pump must be connected to a grounded 230 V/50 Hz power supply.
The electrical circuit from which the pump is to be powered must have ratings consistent with those listed on the pump's nameplate.



The pump's plug must be connected to an outlet with an active ground. The manufacturer and the warranty provider are exempt from any liability for damage to persons or property resulting from a lack of proper grounding. The yellow-green wire of the connection cable serves as the ground wire.



The pumps may be equipped with an overcurrent circuit breaker installed on the cable, approximately 1 m from the plug, in a plastic box. In the event of a motor overload, the circuit breaker will cut off the power supply, and the circuit breaker button will pop up.
The pump can only be restarted by pressing the button after it has been disconnected from the power supply, checking to ensure it is not blocked, and, if necessary, unblocking it. Attempting to unblock the pump without first disconnecting it from the power supply may result in an accident. The box containing the overcurrent circuit breaker must be protected from dirt and moisture.



The electrical circuit supplying the pump should be equipped with an installation circuit breaker, specifically a motor-type overcurrent circuit breaker (e.g., M611), to protect the motor against overload. For the circuit breaker to effectively protect the motor against overload, it should be set to the winding current specified on the nameplate. The pump can operate without such protection; however, in the event of a failure caused by overload, the user is responsible for repair costs.



The electrical system supplying the pump should be equipped with a residual current device (RCD) with a rated tripping current (ΔIn) of no more than 30 mA. The manufacturer and the warranty provider are exempt from any liability for damage to persons or property resulting from powering the pump without the appropriate circuit breaker.



People and animals are prohibited from entering the water in which the pump is operating.



If the insulation of the power cable or the float cable is damaged, do not use the pump. In such a situation, contact the warranty provider to have the cable replaced. Mechanical damage is not covered by free warranty repairs. Using the pump with damaged cable insulation will, at best, result in the motor being flooded with water; at worst, it may lead to electric shock.

Electrical Installation



If the pump is operating at a considerable distance from buildings and power is supplied via an extension cord longer than 20 m, it is essential to check the voltage at the end of the extension cord before starting the pump. Keep in mind that as the length of the cable increases, the supply voltage at its end decreases.



The pump must not be operated if the voltage drops below 210 V.
Using the pump under such conditions will cause the motor to overload and fail. In this case, repairs will be available only for a fee.

Maintenance and Storage

Maintenance



Before performing any maintenance, disconnect the pump from the power supply.



If the pump impeller becomes blocked by debris, the user should clean the impeller chamber as part of routine maintenance. After each use, the pump should be removed from the tank and rinsed with clean water.

Storage



Store the cleaned pump in a dry room. Ensure that the pump is not placed on top of the power cord.
Due to the pump's considerable weight and prolonged storage, the cable insulation may become damaged.

Troubleshooting

Problem	Possible Cause	Solution
The pump is not running	No power	Check to see if the pump's power plug is properly inserted into the electrical outlet
		Check the circuit breakers in the building and any installation fuses that could have cut off the power supply from the grid
		Check whether power is available in the area around the building—the power may have been shut off by the utility company across a wider area
	No water	Water level is too low to activate the pump
	The pump is blocked	Disconnect the pump from the power supply. After removing the pump from the tank, unblock the pump impeller. Before reinserting the pump into the tank, check that the impeller rotates freely
The thermal cut-off switch inside the pump interrupts the power supply	The temperature of the pumped water is too high	Check that the water temperature is not too high for this type of pump
The pump frequently turns on and off	No check valve installed on the discharge port	Install a check valve on the pump's discharge port to prevent water from flowing back into the pump sump
	Leaking check valve	Clean or replace the check valve
	Leaky discharge line	Seal the system
The pump is not pumping water	Clogged filter in the base	Remove the base and clean the filter under running water

Let's take care of our environment!



This symbol indicates that disposing of used appliances with other household waste is prohibited.

For more information on this topic, contact municipal waste collection centers, city offices, or local government offices.

Due to their content of hazardous substances, electronic products that are not sorted for recycling can be dangerous to the environment and human health. Proper separate collection of used electrical and electronic equipment prevents negative environmental impacts.

Recycling—one of the methods of protecting the environment. The process of recovering substances from waste that can be reused as raw materials.
Disposal – the use (colloquially also destruction) of waste as secondary raw materials that have lost their utility value, e.g., plastics, paper, and cardboard.

INFORMATION ABOUT THE COLLECTION SYSTEM FOR USED ELECTRICAL AND ELECTRONIC EQUIPMENT:

- We accept and collect waste electrical and electronic equipment from households free of charge, provided that the equipment is of the same type and performs the same functions as the purchased item;
- A distributor (or a manufacturer acting as a distributor) supplying equipment intended for household use to a purchaser is obligated to collect waste equipment from households free of charge at the place of delivery of such equipment, provided that the waste equipment is of the same type and performs the same functions as the equipment delivered,
- Please be advised that it is prohibited to collect incomplete electrical and electronic equipment or parts from waste equipment;
- We reserve the right to refuse to accept waste equipment if, due to contamination, it poses a threat to the health or life of the persons receiving the equipment,
- Please be advised that it is prohibited to dispose of used electrical and electronic equipment together with other waste;
- Users of household equipment may turn in their used equipment to:
  - a waste collector,
  - a recycling facility,
  - the municipal waste collection service within the municipality.

This information is available on the Public Information Bulletin (BIP) websites of marshal's offices, cities, and municipalities.

Year the device was marked with the CE mark
(entered by the seller based on the nameplate) ..... CE

EU/EC Declaration of Conformity | Module A

1. SUBMERSIBLE PUMPS from the following series:
   IP 370 SEA

2. DAMBAT Jastrzębski S.K.A., Adamów 50, 05-825 Grodzisk Mazowiecki, POLAND, email: **biuro@dambat.pl**

3. This Declaration of Conformity is issued under the sole responsibility of the manufacturer.

4. Submersible pumps from the series listed in section 1.

5. We declare, with full responsibility, that the submersible pumps to which this declaration applies are manufactured in accordance with the following Directives and the references to harmonized standards contained therein:

   Machinery Directive No. 2006/42/EC
   Applicable standards: EN 809:1998 + A1:2009

   Low Voltage Directive (LVD) No. 2014/35/EU
   Applicable standards: EN 60335-1:2012 + AC:2014,
   EN 60335-2-41:2003 + A1:2004 + A2:2010

   EMC Directive No. 2014/30/EU
   Applicable standards: EN 55014-1:2006 + A1:2009 + A2:2011,
   EN 61000-3-2:2014

Adam Jastrzębski
General Partner

January 12, 2026
Grodzisk Mazowiecki

WARRANTY CARD

This warranty card is valid only when accompanied by the original proof of purchase, i.e., an invoice or receipt. Additionally, it must be confirmed by the seller with a signature and stamp. A warranty card without the original proof of purchase attached is invalid.

1. The warranty provider for this device is DAMBAT Jastrzębski S.K.A., service address: 05-825 Grodzisk Mazowiecki, Adamów 50, Panattoni Complex.
2. For customers who have the original proof of purchase in the form of a fiscal receipt or the original invoice, the warranty period is **24 months**.
3. This warranty does not include, limit, or suspend the buyer's rights under the provisions regarding the warranty for defects in the sold item.
4. The warranty covers the free repair of defects in the device resulting from a manufacturing defect.
5. Compliance with the instructions in the user manual is a condition of the warranty's validity.
6. The warranty does not cover:
   - Damage resulting from improper use or operation not in accordance with the intended purpose and the user manual
   - Damage resulting from external forces whose cause lies outside the device covered by the warranty (e.g., frost damage, damage during transport, fire, flood, etc.)
   - Damage resulting from tampering with the device's structure by persons not authorized by the guarantor.
7. The warranty becomes void in the event of:
   - An authorized service center detects structural modifications made by a person not authorized by the warranty provider;
   - If an authorized service center detects attempts to disassemble the device by a person not authorized by the guarantor, beyond the actions permitted by the user manual
   - If an authorized service center finds any alterations to the warranty card made by persons not authorized by the warranty provider;
   - Discovery by an authorized service center of any discrepancies between the entries in the warranty card and the proof of purchase.
8. The warranty covers only devices used within the territory of the Republic of Poland.
9. If the user ships the device for repair—including devices weighing more than 20 kg—the guarantor will cover the shipping costs to the service center. Before shipping, please contact the guarantor to find out which courier company to use (tel. 22 632 86 09). The warranty provider accepts only shipments sent via standard service. Shipments sent at the warranty provider's expense using a service other than standard service will not be accepted. The warranty provider does not accept cash-on-delivery shipments. The user should prepare (secure) the device for transport so that it is not damaged. Any damage caused by the customer is not covered by the warranty.
10. The buyer is not entitled to any compensation beyond the terms of the warranty.
11. If a fully functional device that is not covered by the warranty is sent to the service center, the user may be asked to reimburse the costs of inspecting the device, as well as the costs of returning the device from the service center to the user.
12. If the warranty provider does not recognize the damage as the manufacturer's fault, the user may be asked to reimburse the costs of shipping the device to the service center and the costs of returning the device to the user.
13. Warranty repairs will be completed within 14 business days from the date the device is delivered to the service center, except in special cases where the defect is not permanent and further diagnostics of the device are necessary.
14. As part of the exercise of rights under this warranty, the Warrantor may repair the device, replace it with a new one, or refund the purchase price of the device as confirmed by the proof of purchase. In such a case, the refund of the purchase price constitutes the fulfillment of the Buyer's rights under this warranty.
15. The Warrantor does not provide information regarding the status of the repair or the progress of the repair of a device sent to the service center.
16. If you have an email address, please provide it below:

    User's email address: .....
17. Providing your email address will facilitate communication with the service center and may speed up the repair process.
18. Contact information for the nationwide service center: tel./fax 22 632 86 09, email:serwis@dambat.pl Business hours: Monday–Friday 7:30 a.m.–3:30 p.m.

DEVICE TYPE: SERIAL NUMBER:

....

DATE OF SALE (month in words) SELLER'S STAMP AND SIGNATURE



IBO | dambat.pl | BIURO@DAMBAT.PL | OFFICE +48 22 721 11 92

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