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IBO V1500

IBO Furiatka V1500 Submersible Pump User Manual

Model: V1500

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your IBO Furiatka V1500 submersible pump. Please read these instructions carefully before using the product to ensure proper function and longevity.

The IBO Furiatka V1500 is a high-quality submersible pump designed for pumping domestic wastewater. It features a robust construction of stainless steel and cast iron, ensuring durability and resistance to corrosion. The integrated shredder effectively handles impurities, making it suitable for demanding applications. This kit includes the V1500 pump, a 30-meter hose, and a 2-inch connector.





Figure 1: IBO Furiatka V1500 submersible pump with included accessories.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury and damage to the pump:

- Ensure the power supply matches the pump's voltage (230 V).
- Do not operate the pump with a damaged power cord or plug.
- Never lift or carry the pump by its power cable. Use the handle provided.
- Keep hands and feet clear of the pump's inlet and shredder during operation.
- Disconnect the pump from the power supply before performing any maintenance or cleaning.
- The pump is designed for domestic wastewater with a maximum temperature of 35°C. Do not use it for flammable liquids, corrosive chemicals, or water exceeding this temperature.
- Ensure the pump is fully submerged during operation to prevent overheating.

3. SETUP

Follow these steps for initial setup:

1. **Unpack Components:** Carefully remove the pump, 30-meter hose, and 2-inch connector from the packaging. Inspect all components for any signs of damage.
2. **Attach Hose:** Connect the 2-inch hose to the pump's outlet nozzle. Secure it firmly using appropriate clamps (not included) to prevent leaks and disconnections during operation.



Figure 2: The included 30-meter hose.



Figure 3: The 2-inch connector.

3. **Position Pump:** Place the pump on a stable, flat surface in the liquid to be pumped. Ensure the pump is fully submerged and not resting directly on soft sediment, which could block the inlet.
4. **Float Switch Adjustment:** The pump is equipped with a float switch for automatic operation. Adjust the float switch cable length to set the desired ON/OFF levels. A shorter cable results in a smaller operating range, while a longer cable allows for a wider range. Ensure the float switch can move freely without obstruction.





Figure 4: The float switch, which controls automatic pump operation.

5. **Power Connection:** Connect the pump's power cable to a grounded 230V electrical outlet.

4. OPERATING INSTRUCTIONS

The IBO Furiatka V1500 pump operates automatically via its float switch:

- Once connected to power and submerged, the pump will start automatically when the water level rises and lifts the float switch to its 'ON' position.
- The pump will continue to operate until the water level drops, causing the float switch to fall to its 'OFF' position, at which point the pump will stop.

- The integrated shredder is designed to handle solid impurities in wastewater, preventing blockages and ensuring continuous flow.
- The pump is equipped with overload protection, which will automatically shut down the pump if it experiences excessive load or overheating, protecting the motor from damage.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the pump's lifespan:

- **Cleaning:** Periodically remove the pump from the liquid and clean any debris or sediment that may have accumulated around the inlet or the shredder. Ensure the shredder blades are free from obstructions.



Figure 5: Bottom view of the pump, highlighting the inlet and shredder.

- **Cable Inspection:** Regularly inspect the power cable and float switch cable for any signs of wear, cuts, or damage. Replace immediately if damage is found.
- **Storage:** If storing the pump for an extended period, clean it thoroughly, drain all water, and store it in a dry,

frost-free location.

- **Professional Service:** For any complex repairs or internal inspections, contact a qualified service technician. Do not attempt to open the motor housing yourself.

6. TROUBLESHOOTING

If you encounter issues with your IBO Furiatka V1500 pump, refer to the following table:

Problem	Possible Cause	Solution
Pump does not start	No power supply; Float switch in 'OFF' position; Overload protection activated; Motor fault.	Check power connection and circuit breaker; Ensure float switch is free to move and in 'ON' position; Allow pump to cool down if overload protection tripped; Contact service if motor fault suspected.
Low flow rate or no water pumped	Inlet blocked; Hose kinked or blocked; Air in pump; Impeller/shredder clogged.	Clean pump inlet; Check and clear hose; Submerge pump completely and ensure no air pockets; Clean impeller/shredder.
Pump runs continuously	Float switch stuck in 'ON' position; Leak in discharge line.	Check float switch for obstructions; Inspect hose and connections for leaks.
Unusual noise or vibration	Debris in pump; Worn bearings; Pump not stable.	Disconnect power and clean pump; Contact service for bearing issues; Ensure pump is on a stable surface.

7. SPECIFICATIONS

Technical data for the IBO Furiatka V1500 submersible pump:

Feature	Specification
Model	V1500
Max Flow Rate (Qmax)	400 Liters per minute
Max Head (Hmax)	18 Meters
Motor Power (P2)	1.5 kW
Voltage	230 V
Frequency	50 Hz
Max Current	12.5 A
Pressure Nozzle / Outlet	DN50 (2 inches)
Crusher / Shredder	Yes
Max Liquid Temperature	35°C
Protection Class	IP 68 / Class B

Feature	Specification
Dimensions (L x W x H)	71 x 36 x 28 cm (Product dimensions)
Weight	23 kg



Figure 6: Product label with detailed specifications.

8. WARRANTY AND SUPPORT

For warranty information, please refer to the terms and conditions provided at the time of purchase or contact your retailer. In case of technical issues or questions not covered in this manual, please contact the manufacturer or your authorized dealer for support.

