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Altech 101279230

Altech 101279230 Submersible Pump for Dirty Water

INSTRUCTION MANUAL

1. Introduction

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Altech 101279230 submersible pump. This pump is specifically designed for lifting wastewater containing solid particles. Please read these instructions carefully before using the product and retain them for future reference.



This image displays the Altech 101279230 submersible pump. It features a robust blue top section and a black lower body, designed for durability. A black float switch is visible on the left, connected by a cable, which controls the pump's automatic operation. On the right, a black elbow connector serves as the discharge outlet for the pumped water.

2. Safety Instructions

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

- Ensure the power supply matches the voltage specified on the pump's rating label.
- Always disconnect the pump from the power supply before performing any maintenance, cleaning, or when not in use.
- Do not operate the pump if the power cable or plug is damaged. Contact qualified personnel for repair.
- Never lift or carry the pump by its power cable. Use the integrated handle.
- The pump is designed for dirty water. Do not use it for flammable, corrosive, or explosive liquids.
- Keep children and unauthorized persons away from the operating pump.
- Ensure the pump is fully submerged during operation to prevent dry running, which can cause damage.
- The pump has an IP68 protection rating, indicating it is suitable for continuous immersion in water.

3. Package Contents

Upon unpacking, verify that all components are present and undamaged:

- Altech 101279230 Submersible Pump
- Integrated Float Switch
- 10-meter Power Cable with Standard Plug (Schuko)
- Discharge Hose Adapter (elbow connector)

4. Setup

1. **Placement:** Position the pump on a stable, level surface in the area to be drained. Ensure the pump's intake is clear of large debris that could obstruct it.
2. **Hose Connection:** Attach a suitable discharge hose to the pump's outlet connector. Secure the hose with a clamp if necessary to prevent leaks. Ensure the hose is routed away from the pumping area to a suitable discharge point.
3. **Float Switch Adjustment:** The float switch controls the pump's automatic on/off cycles based on water level. Adjust the cable length of the float switch to set the desired minimum and maximum water levels for operation. Ensure the float switch can move freely without obstruction.
4. **Power Connection:** Once the pump is positioned and the hose is connected, plug the 10-meter power cable into a grounded electrical outlet. Ensure the outlet is protected by a residual current device (RCD) for safety.

5. Operating Instructions

The Altech 101279230 pump operates in automatic mode, controlled by its integrated float switch.

- **Automatic Operation:** Once plugged in and submerged, the pump will automatically start when the water level rises and lifts the float switch to its 'on' position. It will continue to pump until the water level drops, causing the float switch to fall to its 'off' position.
- **Monitoring:** Periodically check the pump's operation to ensure it is functioning correctly and that the discharge hose is not blocked or kinked.
- **Dry Running Protection:** The automatic operation via the float switch helps prevent dry running. However, always ensure the pump is adequately submerged during operation.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your pump.

1. **Cleaning the Intake:** Disconnect the pump from the power supply. Regularly inspect and clean the pump's intake screen to remove any accumulated debris (leaves, mud, small stones) that could impede water flow or damage the impeller.
2. **Housing and Cable Inspection:** Periodically check the pump housing and power cable for any signs of damage, cracks, or wear. Do not use the pump if any damage is found.
3. **Float Switch Check:** Ensure the float switch moves freely and is not obstructed by debris.
4. **Winter Storage:** Before storing the pump for extended periods, especially during freezing temperatures, thoroughly clean it and drain all water. Store the pump in a dry, frost-free location.

7. Troubleshooting

Problem	Possible Cause	Solution
Pump does not start	No power supply Float switch not activated Impeller blocked	Check power connection and circuit breaker Ensure water level is high enough to activate float switch Disconnect power, clean intake and impeller area
Pump runs but delivers little or no water	Discharge hose kinked or blocked Intake screen blocked Air lock	Check and clear discharge hose Disconnect power, clean intake screen Slightly tilt the pump to release trapped air
Pump runs continuously	Float switch stuck in 'on' position Water level not dropping below 'off' level	Disconnect power, check float switch for obstructions Verify discharge is effective and water can drain away
Motor stops during operation	Overheating (thermal protection activated) Power interruption	Disconnect power, allow pump to cool down, check for blockages Check power supply

8. Specifications

Feature	Detail
Brand	Altech
Model Number	101279230
Manufacturer	ALTECH
Power	1000 W
Max Flow Rate	14.4 m ³ /h
Max Head	10 meters
Protection Index	IP68

Feature	Detail
Insulation Class	F
Cable Length	10 meters
Item Weight	6.22 kg
Color	Blue
Power Source	Electric Cable

9. Warranty and Support

For warranty claims, technical support, or spare parts inquiries, please contact your retailer or the manufacturer directly. Keep your proof of purchase for warranty validation.