



# DAHE PUMP

※Operational technical manuals※

## Pre-installation safety precautions :

- When the pump is running and used in the pool, it is strictly forbidden for personnel to enter the pool to avoid electric shock casualties when the motor fails and leaks.
- If the pump is found to be abnormal and not running after starting, the pump should be stopped immediately and the power should be turned off, otherwise it may cause electric shock or cause fire.
- Please do not press, process, or pull the cable, which will cause the cable to be damaged and lead to a short circuit in the power supply, which may cause electric shock or cause fire.
- Do not run the pump without water on the ground, which will cause the motor to burn.
- In addition to professional maintenance personnel, it is strictly forbidden to repair, modify and disassemble by yourself, so as not to cause abnormal operation of the pump.
- The applicable temperature of the liquid pumped by the pump is 0~40 °C, if it exceeds this range, it will cause pump damage.
- This product should not be used in the extraction of drinking water or edible liquids to avoid contamination caused by oil leakage in the oil chamber.
- Before the pump is used, it should be confirmed whether the pump form, voltage, phase number, frequency, and caliber head are correct. Using a pump that is not up to specification can also cause the pump to fail or be damaged.
- If the pump wants to pump special liquids, such as: seawater, solvents, acid and alkali fluids, etc., please consider the applicability of the pump first, and choose the correct pump type to avoid improper damage to the pump.
- It is strictly forbidden to pull the cable when moving the pump, which will cause the cable to be damaged and lead to a short circuit in the power supply, which may cause electric shock casualties or cause fire.
- Please make sure that the voltage and phase number you are using are consistent with the specifications stated on the nameplate.
- The pump must be used with the rated voltage, and the allowable value of voltage fluctuation must be within 10%, otherwise it is easy to cause motor burning.
- To clean up the excessive debris in the sink, be sure to control the impeller and filter screen within the particle size of foreign matter, so as to avoid impeller blockage and reduce the amount of water.
- When adjusting the level control, the stop water level of the float switch must be higher than the minimum continuous running water level of the pump, otherwise the motor will burn.
- The position of the float switch should be avoided at the water inlet to avoid abnormal operation of the float caused by the impact of the water flow.
- After the pump is installed, the overly long cable and the streak should be properly fixed to avoid the pump being sucked in by the impeller during pump operation, causing pump damage.

The company attaches great importance to the quality and safety of products, but this manual cannot fully cover all safety matters, so users or maintenance personnel should also pay attention to their own safety.

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☞ Troubleshooting :

Operational status	Cause	Deal with countermeasures
Not running	Power supply issues	Check the voltage and use the correct voltage
	Damaged wires, poor contact	Send in for repair and replacement of wires
	The impeller is entangled or blocked by foreign objects	Remove foreign bodies
	The motor protector trips	Identify the cause of the trip and eliminate it
	Motor burnout	Send for repair
	Water ingress to the motor after shaft seal wear	Send for repair
	The float switch is faulty	Overhaul or replacement
Stop in operation	Control panel failure	Overhaul or replacement
	The impeller is entangled or blocked by foreign objects	Remove foreign bodies
	Voltage abnormality	Check the power supply to use the correct voltage
Insufficient water output	The motor protector trips	Identify the cause of the trip and eliminate it
	The motor is reversed	Adjust the correct steering
	Impeller wear	Replace the impeller with a new one
	There is a foreign object inside the pump or impeller	Remove foreign bodies
	Leaking or blocked pipes, valves	Check for repairs
	The head is too high	Recalculate and adjust horsepower
Leakage circuit breaker action	The water level is too low to suck in air	Adjust the level switch height
	The cable is broken	Send for repair
	The cable connection is wet	After drying, rewire with waterproof tape
	Water ingress to the motor after shaft seal wear	Send for repair
The current is too high	Motor burnout	Send for repair
	Voltage abnormality	Check the power supply to use the correct voltage
	The motor is reversed	Adjust the correct steering
	The extracted liquid is too thick	Add water to dilute the extract
	The impeller is entangled or blocked by foreign objects	Remove foreign bodies
Bearing wear	Overhaul and replace	

※It is strictly forbidden to disassemble and repair by yourself, and it needs to be inspected and repaired by professional maintenance personnel or the company ◦

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