

三、Common faults and troubleshooting methods

The fault Phenomenon	The cause of the Problem	Fault elimination
The electric pump won't give water	<ol style="list-style-type: none"> 1. Power supply cut off or bad contact 2. The impeller or screw is stuck by debris 3. Low inlet water level 	<ol style="list-style-type: none"> 1. Check whether the line socket is in good contact 2. Remove impurities in the filter screen and pump 3. Put the pump in water with a water level higher than the filter screen
Water flow reduction	<ol style="list-style-type: none"> 1. Low power supply, not up to rated speed 2. The filter screen or impeller or screw is obstructed by sundries 3. the additional wire diameter is too small, the resistance is too large 4. High outlet head 5. impeller or screw wear 6. carbon brush wear, spring elasticity is insufficient 	<ol style="list-style-type: none"> 1. Improve the power supply 2. clear the filter impeller or screw inside debris 3. Replace enough diameter cable but not over 4. Lower the discharge head of water pipe 5. adjust the impeller or screw pump body clearance or replace impeller or screw blade 6. replace the positive and negative pole 7. Replace the carbon brush
Abnormal sound	<ol style="list-style-type: none"> 1. bearing wear clearance is too large 	<ol style="list-style-type: none"> 1. Internal support for replacement 2. Brush commutator with a small brush

OPERATING INSTRUCTION



TO ENSURE YOUR SAFE AND CORRECT USE OF THE PUMP, PLEASE READ THE INSTRUCTIONS CAREFULLY BEFORE USE

一、Brief description

Dc deep well electric pump 12V, 24V, 36V, 48V, 60V, 72V Adopt the domestic and foreign each long, adopt the advanced technology craft, the strict test method, each technical index is superior to the similar product, reach the international similar advanced level.

Since the DC carbon brush motor has the structure of ac motor, it can run By, easy to maintain a series of advantages, and has the dc motor running power Many advantages, such as high rate, no excitation loss and good speed regulation performance, are increasingly popular in various fields of the national economy

The electric pump is made of high quality screw or impeller and stainless steel, which has the characteristics of low power consumption, high head, large flow, compact structure, novel, advanced, light and durable, easy to maintain and so on. Dc 12V, 24V, 36V, 48V, 60V, 72V electric pump is suitable for power supply with corresponding voltage, All kinds of ships and aquaculture. The water supply and drainage of grassland animal husbandry and mining enterprises is portable Ideal water carrier..

二、Brief description

1. Before use, check whether the power supply voltage is consistent with the pump, and the voltage tolerance is $\pm 5\%$.

2. the use of additional cable should be enough wire diameter, extension line as short as possible.

3. Before use, check whether the bolts are loose and whether there is any damage or bad contact at the power cord and the insertion cord.

4. the lift and release of the electric pump should be tied to the lift and hand put, do not pull the cable.

5. water if there is sand and other sundries, the electric pump should be placed in a basket or with prevention

Dirt and sundries are set and used to prevent water pump from blocking.

6. After 500 hours of power operation, the pump shall be removed for maintenance, the seals shall be checked, the brush powder of the commutator shall be cleaned, and the bearing butter and carbon brush shall be replaced.

7. Before use, determine the positive and negative poles of the water pump and the power supply. The positive and negative poles of the water pump should be used corresponding to the positive and negative poles of the power supply. (Connect positive and negative, press the screw inside the outlet with hard object, so that the screw is fixed back with positive turn)

8. Check the voltage of the solar photovoltaic panel/battery before use. The voltage of the water pump needs to be matched with the voltage of the solar photovoltaic panel/battery.

9. The water depth of the pump shall not exceed 7 meters, otherwise the water pressure is too high and the oil seal cannot bear it, which will lead to the water inflow of the motor (Household electricity is strictly prohibited)!