

Special Notes:
The graphics in this manual are schematic diagrams, and the product performance and model are constantly updated, and the purchased products (including appearance, performance and color, etc.) are subject to the actual product.

Intelligent permanent magnet booster pump — Instructions



24V DC inverter household booster pump

Instruction manual for installation

Three-speed regulation **Low** **medium** **high** One pump for multiple purposes



It is widely used in domestic water heater pressurization, faucet pressurization, shower flower wine pressurization, wall-hung boiler pressurization, intelligent toilet pressurization and other hot and cold water supply.

Product Description:

1. This product has a built-in intelligent water flu response module to achieve automatic function (when the faucet is turned on, the pump will work automatically, and the faucet and the pump will automatically stop when the faucet is closed), but the water flow and water pressure in the water pipe need to meet the requirements of automatic opening (more than 1.2L/min), (the water volume of two and a half bottles of mineral water can be released in one minute), the machine can start automatically, if the water pressure is too small and the starting flow rate is not reached and the machine cannot start normally (this is not a machine failure), you can use the manual function to pressurize,

Note: When using manual boosting is over, the manual switch must be turned off to return to automatic transmission.

2. This product cannot be used as a submersible pump, and it is forbidden to place it in water to avoid damage to the machine.

Special Note: In order to provide users with the best experience of using this product, the performance and functions of this product may be changed without further notice without affecting the use effect.

When the automatic cannot work normally due to low water pressure, it must be turned back to the automatic after use, so as to prevent the pump from being damaged for a long time.

6. Packing list

Water pumps, adapter unions, manuals.

7. Faults and measures

| Fault | Cause | Measure |
|------------------------------|--|---|
| The pump is not running | <ol style="list-style-type: none"> 1.The power adapter is not plugged in properly. 2.The power adapter has no output voltage. 3.The plug is short-circuit protected. 4.The impeller is stuck. 5.The electric pump burns out. 6.It does not work automatically. | <ol style="list-style-type: none"> 1. Replug and unplug the power adapter to make sure it is in good contact. 2. Replace the power adapter. 3. Check and clean up the water at the plug. 4. Disassemble the pump and clean up the internal impurities. 5. Replace the pump with a new one. 6. Use manual, automatic valve cleaning and reinstall. |
| Insufficient amount of water | <ol style="list-style-type: none"> 1. The pipeline is too long or bent 2. There are impurities inside the pipeline or pump chamber. 3. The impeller is damaged. | <ol style="list-style-type: none"> 1. Shorten the pipeline to make the pipeline straight. 2. Remove internal impurities 3. Replace the impeller |
| High vibration and noise | <ol style="list-style-type: none"> 1. Friction caused by foreign bodies inside the pump chamber. 2. There is space inside the pipeline and. 3. Internal parts are damaged. | <ol style="list-style-type: none"> 1. Clean up internal impurities. 2. Drain internal air. 3. Replace damaged parts. |

Please turn off the power before servicing the pump.

This manual provides the basic information required for the installation, operation, and maintenance of the pump. Installation must be carried out in accordance with the relevant requirements specified in the instructions and must be performed by professional personnel.

■ Operations must be carried out in accordance with the requirements provided in this instruction manual

■ If the pump is not installed, operated, and maintained in accordance with this instruction manual, the manufacturer will not assume any responsibility.

■ If this pump is transferred to a third party, the operation instructions, operating conditions, and scope of work specified in the purchase order must all be transferred to the third party as well;

■ If there is any information not covered in this instruction manual, please contact us.

■ This instruction manual should be properly stored for future use.

2. During the warranty period of the pump, only we or our written authorized personnel are qualified to provide repair services. Otherwise, we do not guarantee the valid implementation of the warranty. Additionally, the warranty will only be provided if the pump is used correctly. To protect the interests of all parties, it is important to ensure the pump is operated according to the nameplate information and usage conditions. This can extend the service life of the components and ensure the stable operation of the pump.

3. Usage conditions

Power Supply: DC power adapter, the output current should exceed 1.1 times the maximum current of the pump motor.

Ambient Temperature: 0 - 40°C (32 - 104°F)

Media Temperature: 0 - 90°C (32 - 203°F)

The media/fluid must be clean, diluted, non-corrosive, non-flammable, non-explosive, and free of solid particles. The fluid should have properties similar to clean water.

4. Installation instructions and precautions

The shaft needs to be horizontal

Installation step 1: Fix the foot plate to the adhesive tape and lock the retaining nut.

Step 2: Fix the foot plate to the pump as shown and lock the fixing bolt.

Step 3: Connect the pipeline, and the water inlet direction is shown as shown in the figure;
Step 4: After the tube link is completed, remove the adhesive protective film and press the adhesive adhesive to the wall to avoid the pulling force of the pipe on the adhesive sticker.

Step 5: Plug in the power adapter, turn on the faucet, the pump will work automatically, turn off the faucet, and the pump will stop working automatically.

Note: If you can't use adhesive stickers, you can choose to install them by punching holes, the hole spacing is 24mm, and the bolts are M4 self-tapping screws.

Pump warranty certificate

| User's name | | Phone |
|-----------------------------|-----------------|-----------------|
| Full address | | |
| Date of purchase | | |
| Maintenance records | | |
| Date | Product failure | Repair overview |
| | | |
| | | |
| | | |
| Where the invoice is pasted | | |

Inform the user: This voucher is invalid if the sales unit is not stamped.

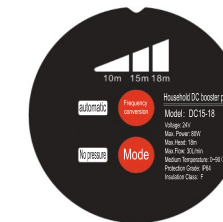


- This pump uses 24VDC2.5-5A direct current, the adapter must be confirmed before use, and other specifications of power adapter must not be used, otherwise it will cause burn-in or failure to operate normally.
- This pump has no self-priming function, and after installation, it should be ensured that there is no air in the pipeline, otherwise it will not operate normally or be noisy, and cause wear and tear of parts.
- The pump is lubricated with water, and the operation shall not exceed 10 seconds in the waterless state, and the shaft shall be kept in a horizontal state.

⌘ Installation Package:

- ① Water heater: install the cold water inlet of the water heater;
- ② Air energy: installed at the cold water inlet;
- ③ Solar: Installed at the solar hot water outlet end;
- ④ Water pipes: the main supervisor can be in charge;

5. Feature description



Instructions for key operation

| The name of the key | Icon | Feature description |
|--|------|---|
| Gear key | | Short press to switch gears, and switch between one, two, and three gears in a cycle. |
| Mode key | | Press and hold for 3 seconds to switch modes, and switch between automatic mode and pressure-free automatic mode cycle. |
| Gear indicator | | 1 grid is displayed in one gear; The second gear shows 2 grids; Three gears display 3 grids. |
| Auto mode indicator | | The indicator light is on for automatic working mode; turn on the faucet to start, turn off the faucet to stop. |
| Pressure-free automatic mode indicator | | The indicator light is on for pressure-free automatic working mode; turn on the faucet and turn off the faucet for standby. |



Instructions for key operation

| The name of the key | Icon | Feature description |
|--|------|---|
| Gear key | | Short press to switch gears, and switch between one, two, and three gears in a cycle. |
| Mode key | | Short press to switch mode, automatic mode and pressure-free automatic mode cycle switching. |
| Gear indicator | | 1 grid is displayed in one gear; The second gear shows 2 grids; Three gears display 3 grids. |
| Auto mode indicator | | The indicator light is on for automatic working mode; turn on the faucet to start, turn off the faucet to stop. |
| Pressure-free automatic mode indicator | | The indicator light is on for pressure-free automatic working mode; turn on the faucet and turn off the faucet for standby. |