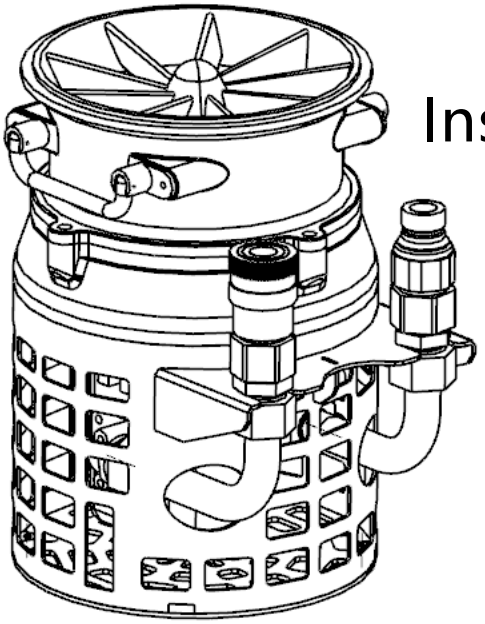
Hydraulic submersible pump (QSB600-12-200 series axial flow pump)



Instructions for use

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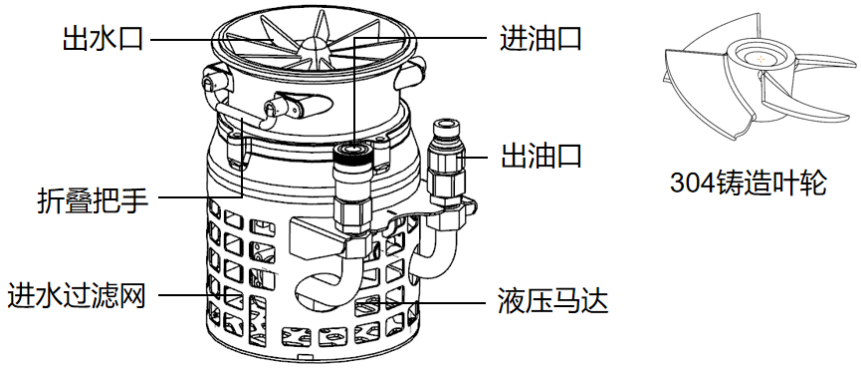
Chapter 1 Product Introduction

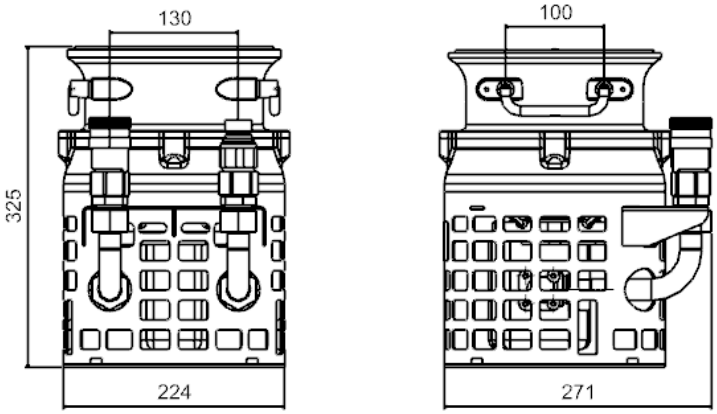
1.1. Product Structure

The QSB series hydraulic axial flow pump features a pump body and impeller made of integral stainless steel casting. The impeller is driven by a high-efficiency hydraulic motor. The overall structure has been iterated and upgraded multiple times, resulting in a compact and lightweight pump that is easy to handle during use.

This pump is driven by a hydraulic power unit and requires no electricity , eliminating the risk of electric leakage . The pump connects to the inlet and outlet oil pipes, which are also the unloading pipes. All oil ports use quick-connect couplings, making disassembly and assembly more convenient and quick.



Product structure diagram



Product Dimensions

1.2. Application scenarios

This pump has a compact structure and can be widely used for municipal emergency drainage, urban flood control and drainage, fire fighting water supply , drought relief water intake of rivers, ditches and lakes , construction site drainage and other needs. At the same time, the pump itself can transport larger particles, so it is also the best choice for scenarios such as cleaning and discharging sewage from manholes and sewer pipes .

1.3. Technical parameters

model	QSB600-12-200
Maximum drainage capacity (m^3/h)	600
Maximum head (m)	12
Dimensions (mm)	22 4 *27 1 *3 25
Weight (kg)	19
Maximum pumpable particulate matter (mm)	30
Drain outlet diameter (mm)	200
Work stress (bar)	170
Traffic volume range (Lpm)	40-100

Chapter Two : Operation Instructions

2.1. Preparations before operation

To ensure the safe and reliable operation of the water pump, the following preparations should be completed before using the water pump.

1、Check if any parts of the water pump are loose;

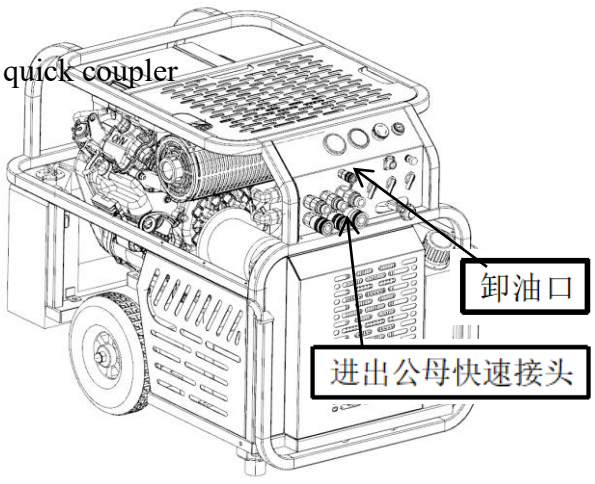
2、Check if the fastening bolts on the water pump are loose;

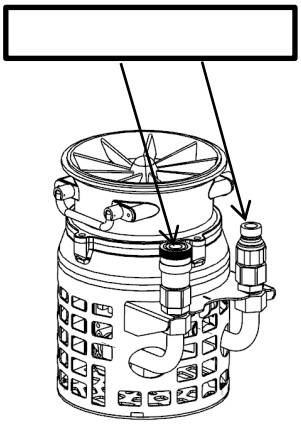
3、Check that the hose and connector clamps are tightened;

4、Connect the water hose to the water pump, ensuring the connection clips are properly engaged.

2.2. Water pump connection diagram

Connect the male connector of the power unit to the female connector of the water pump via hydraulic hoses, and connect the female connector of the power unit to the male connector of the water pump.





2.3 Safety Precautions

To ensure your safety and the proper functioning of your equipment, maintenance and repair personnel must undergo professional training.

1) Operators must wear safety clothing (safety shoes, safety helmet, gloves, etc.)

before operation.

2) Before starting the power station, the hoses and quick couplings must be connected to ensure a secure and reliable installation.

3) Do not continue operation when the hydraulic oil temperature reaches above 70℃.

4) It is strictly forbidden to operate a damaged, untested, or incompletely assembled hydraulic slurry pump.

5) It is strictly forbidden to use acetylene flames to weld, cut, or perform surface hardening on water pumps .

6) It is strictly forbidden to clean or disassemble the water pump while it is connected to the power station.

2.4 Troubleshooting

一、The water pump is not working.

1、Check if the hydraulic power unit is providing power normally;

2、Are the valves in the power station blocked?

3、Check the joints and pipes for blockages;

4、Is the hydraulic oil temperature too high?

5、Are the inlet and outlet oil pipes connected in reverse?

二、Low water pump efficiency

1、Is the flow rate provided by the power station too low?

2、Is the hydraulic system of the power station being pressurized too high?