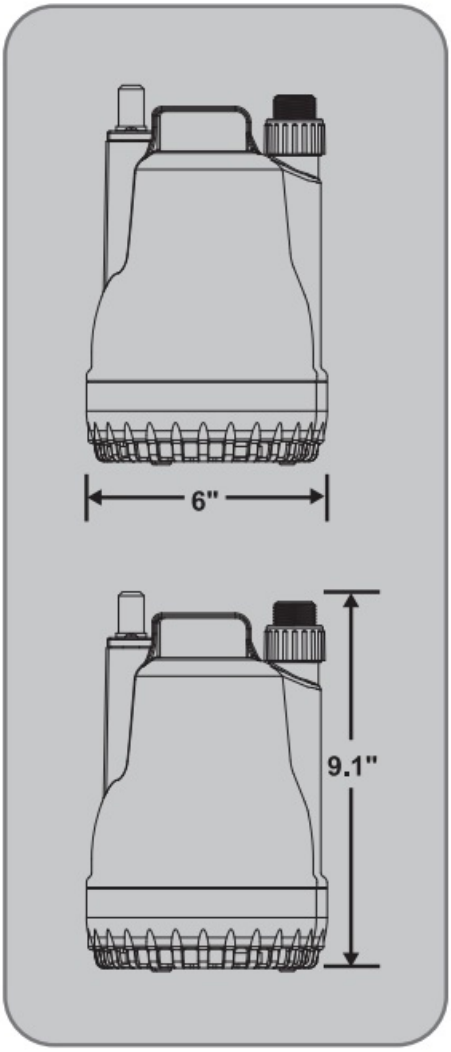
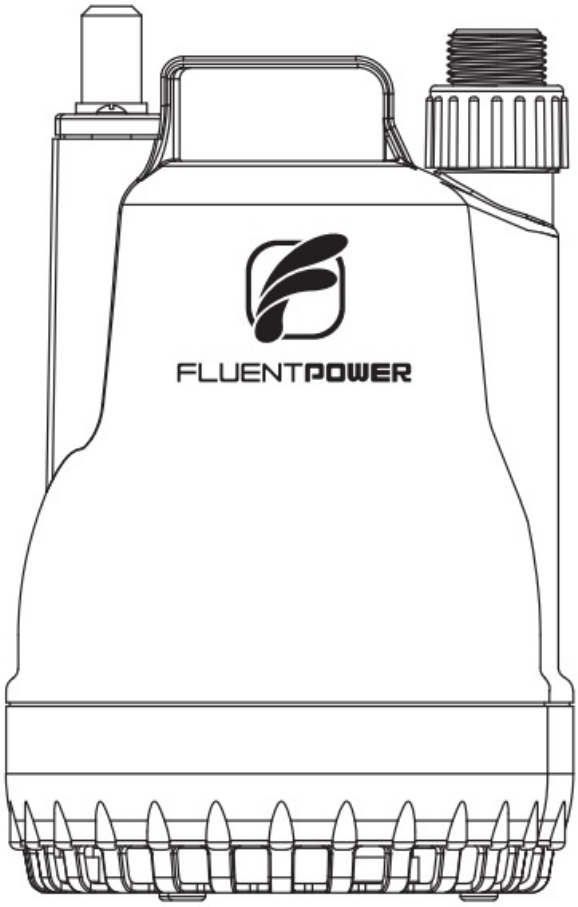
FLUENTPOWER FSP250C-1A UTILITY CLEAN WATER PUMP Instruction Manual

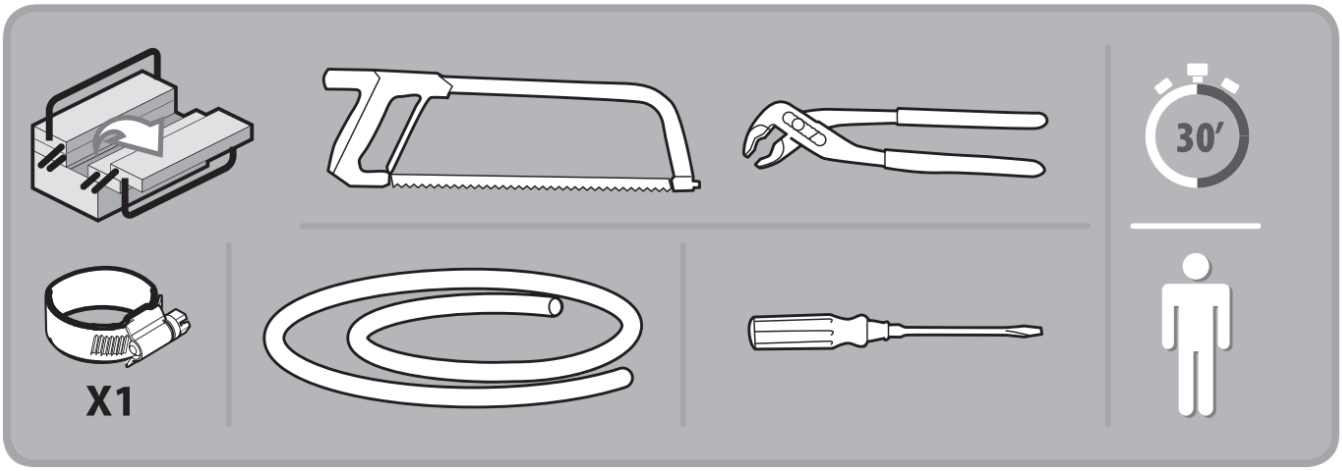
Contents

FLUENTPOWER FSP250C-1A UTILITY CLEAN WATER PUMP

Package Includes

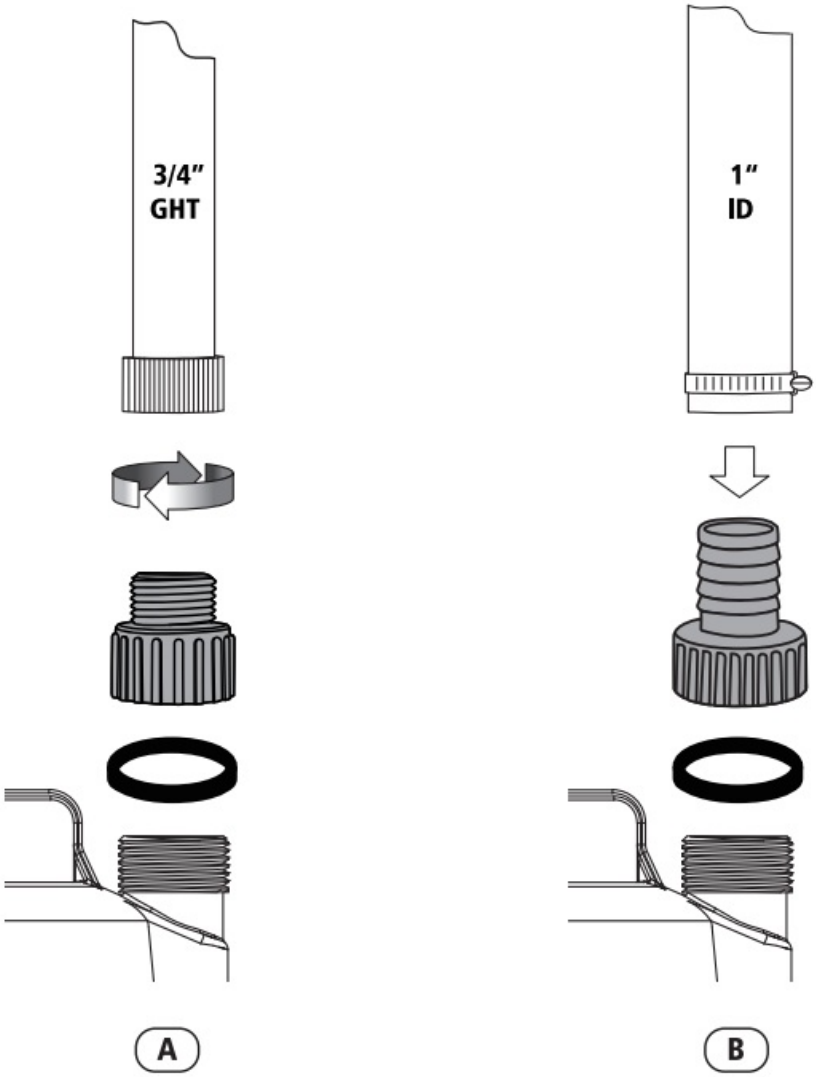




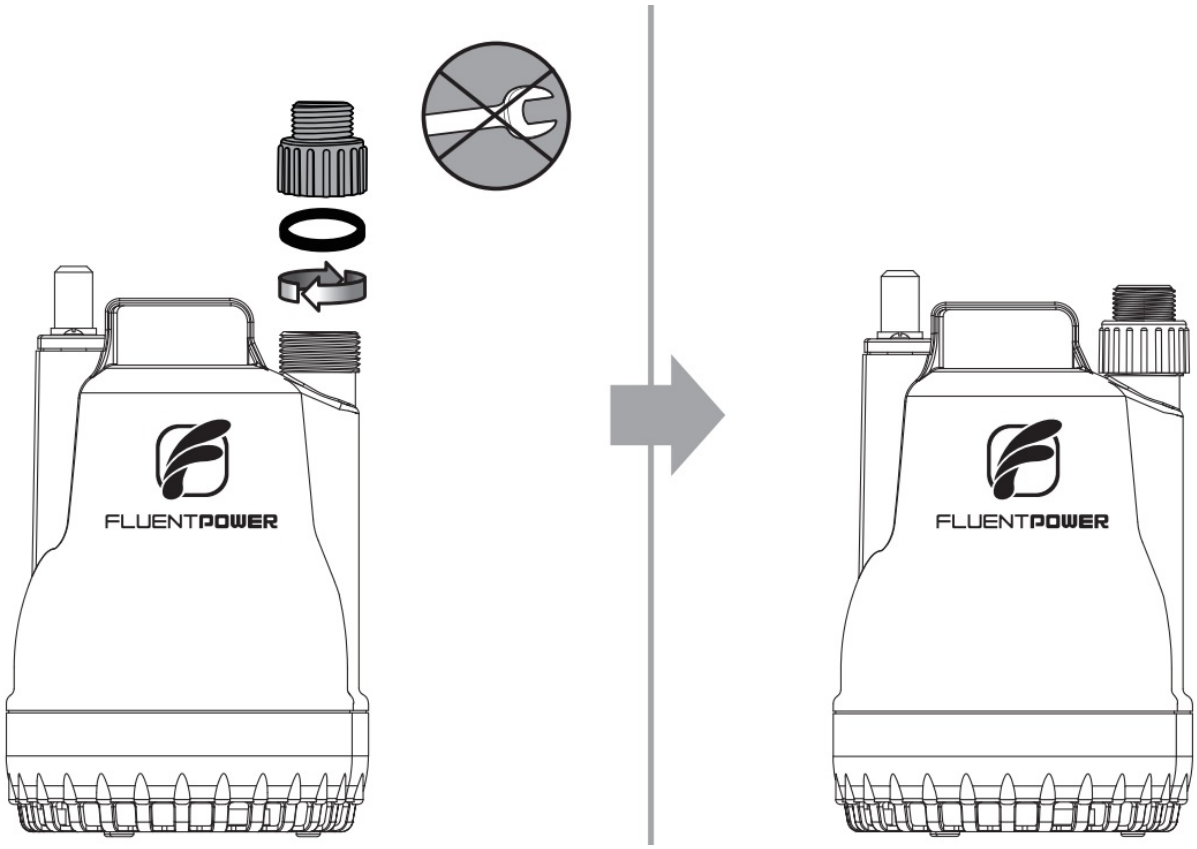


Note: The above pump accessories are not included.

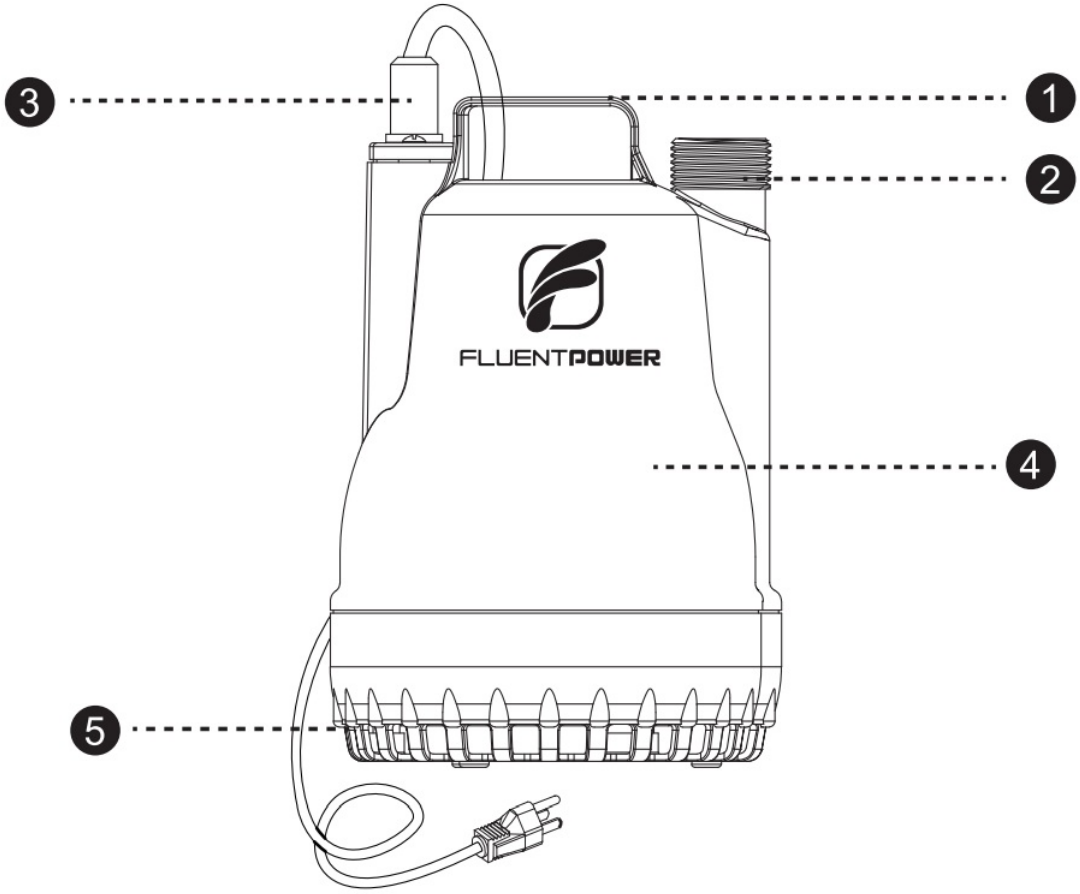
HOSE ADAPTER INTRODUCTION

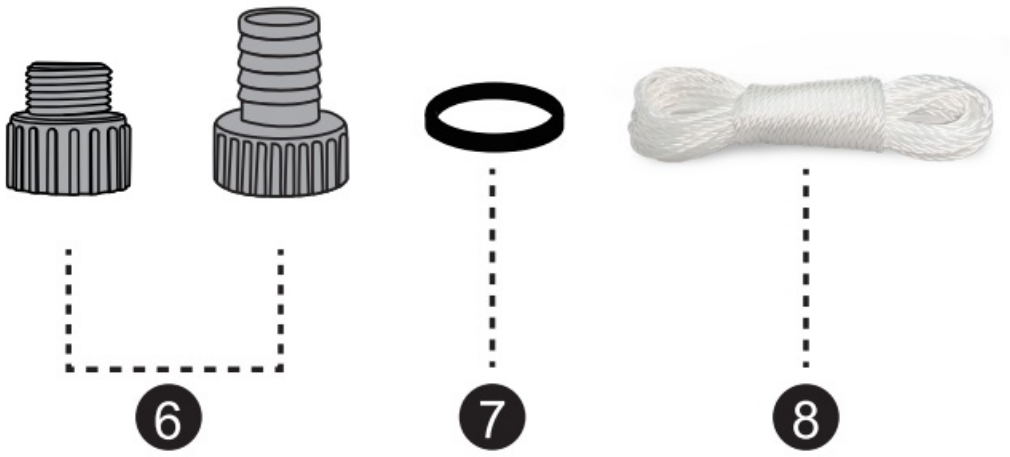


HOSE ADAPTER CONNECTION



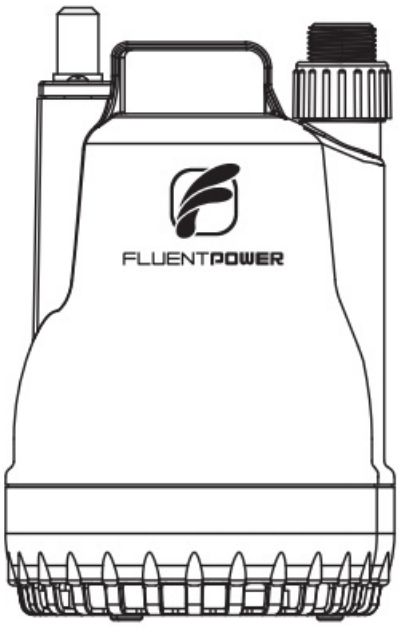
PRODUCT INTRODUCTION





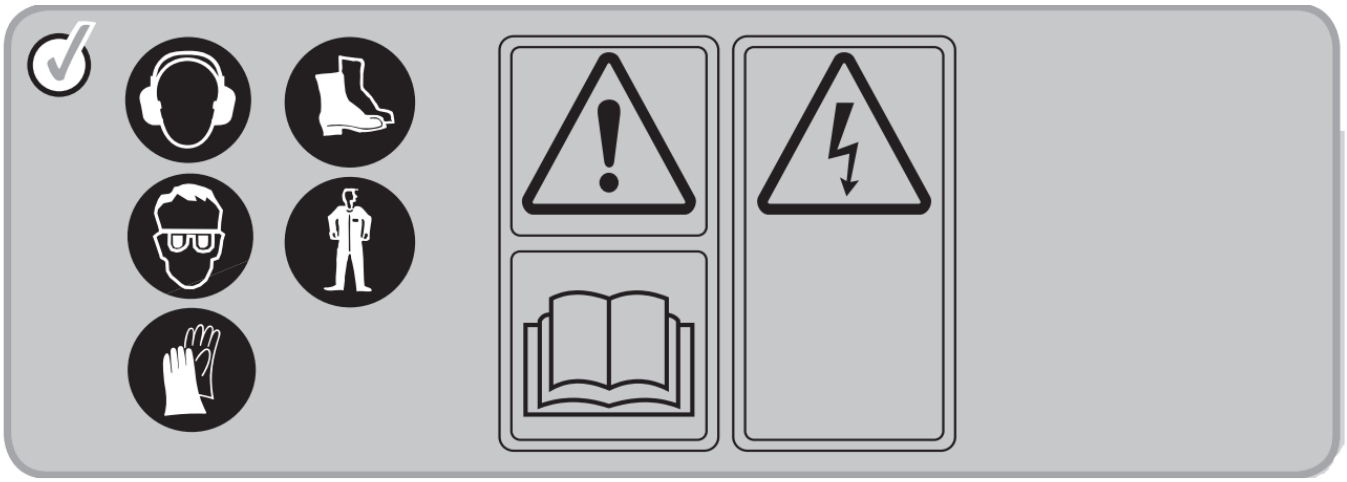
1. Pump Handle
2. Discharge Port
3. Cable and Plug
4. Main Body
5. Pump Base
6. Hose Coupling
7. Rubber O Ring
8. Rope

MANUAL CONTROL



- The pump turns ON and OFF is controlled by cable plug.
- It can start pumping water from 6″ down to 0.6″.
- Please make sure never to let the pump become dry running!

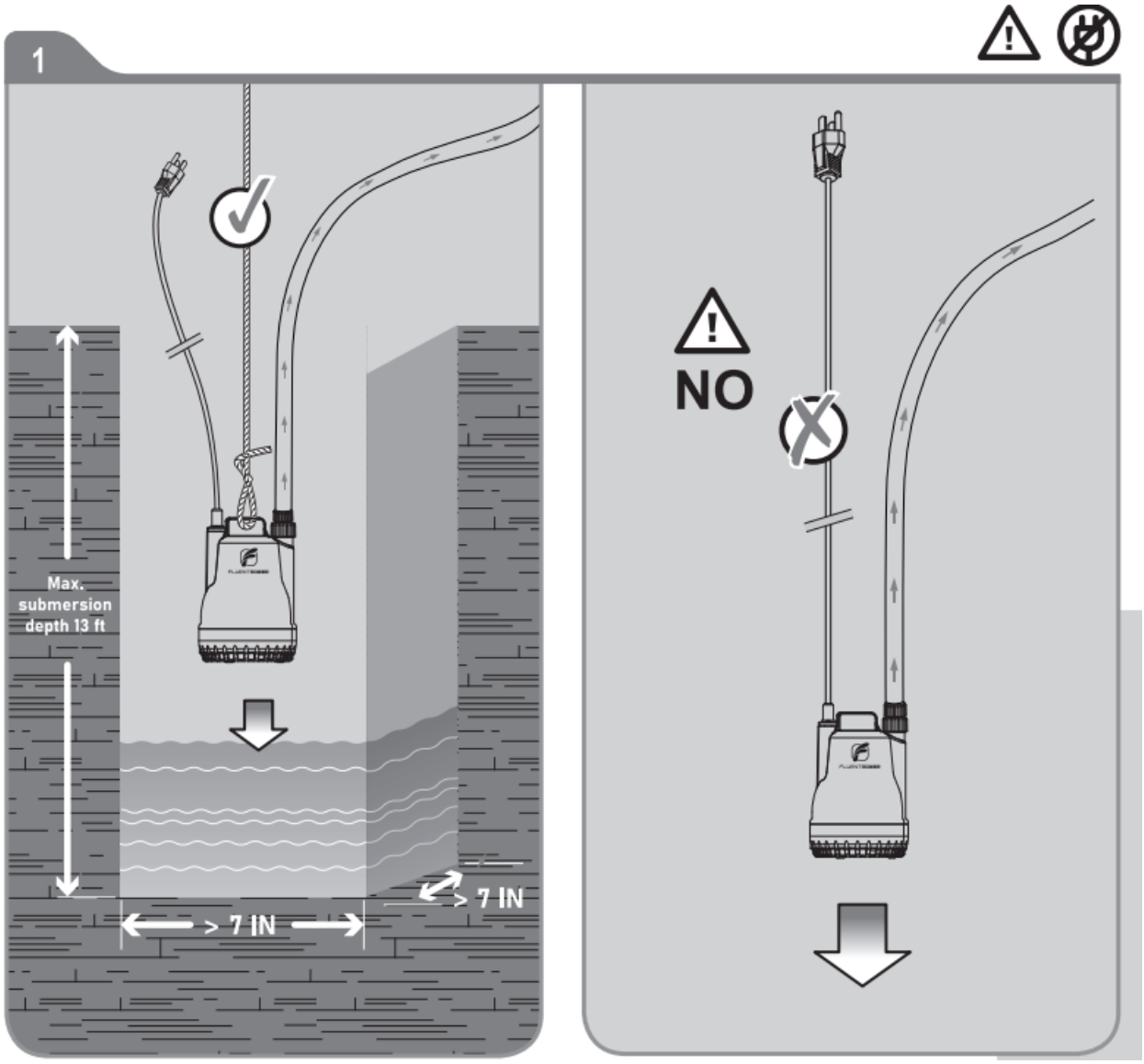
Symbols

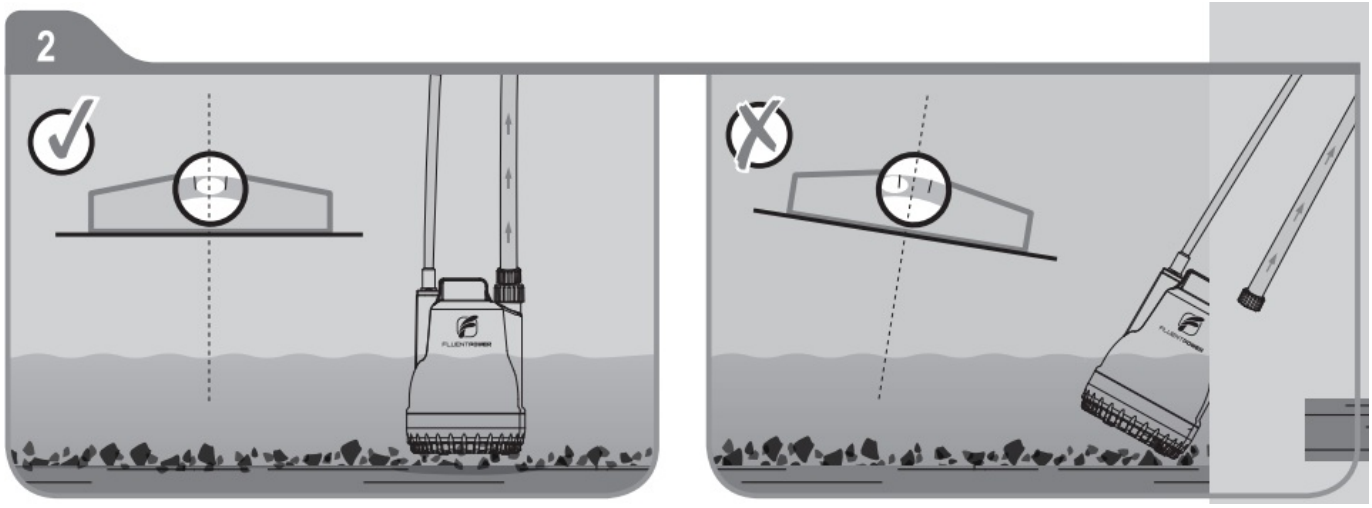


WARNING – To Reduce The Risk Of Electric Shock, Connect Only To A Properly Grounded, grounding-type receptacle, Or Equivalent.
WARNING – Risk of Electric Shock – Do Not Stand in the Swimming Pool Area or Water Areas When This Pump Is in Operation.
WARNING – To Reduce The Risk Of an Electric Shock, Install Only On A Circuit Protected By A Ground-Fault circuit interrupter (GFCI).
CAUTION – This Pump Has Been Evaluated for Use With Water Only.
CAUTION – To Reduce The Risk Of Electric Shock, Pull the Plug Before Servicing This Pump.

- ⚠ Attention danger
- Observe
- Not connected
- Connected
- Power up
- Stop

Before The Start


1
Max.
submersion
depth 13 ft
> 7 IN
> 7 IN
NO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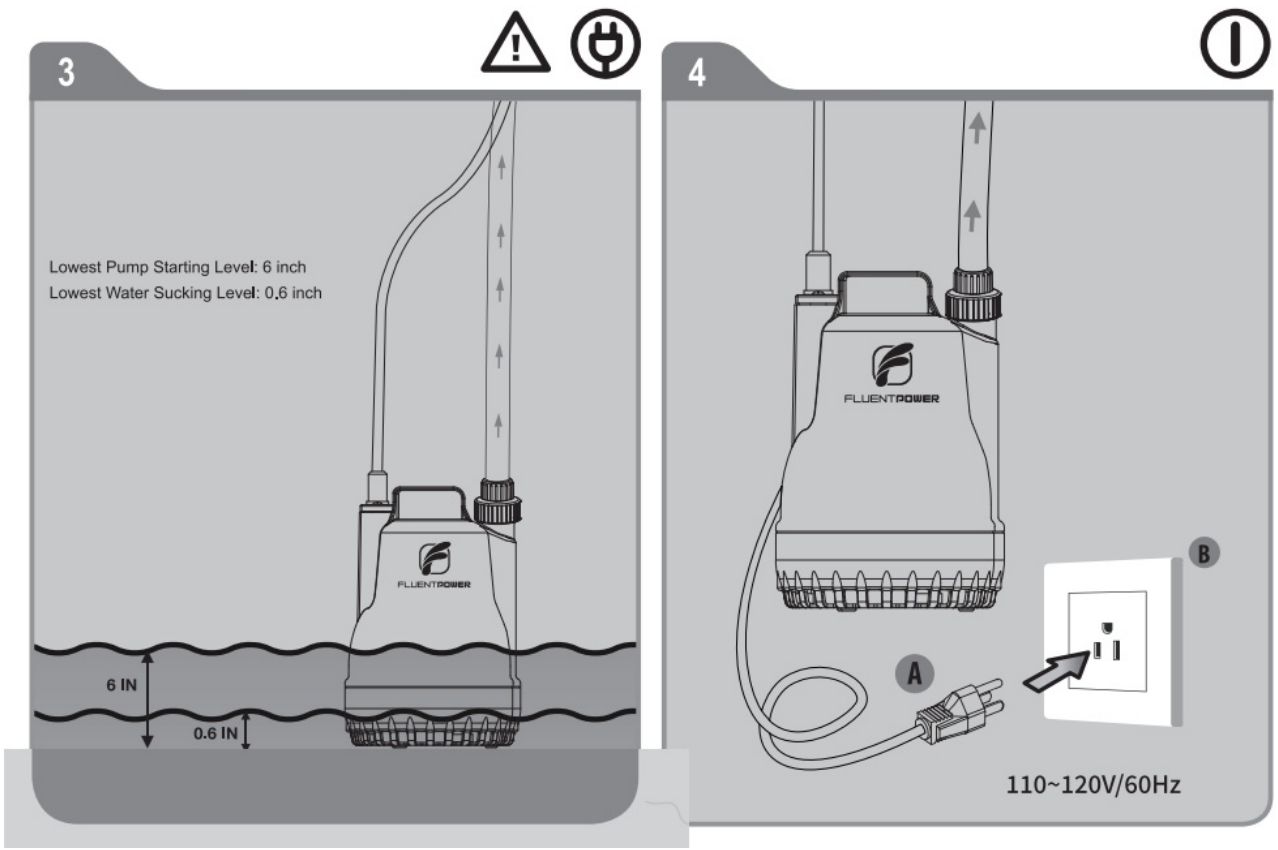
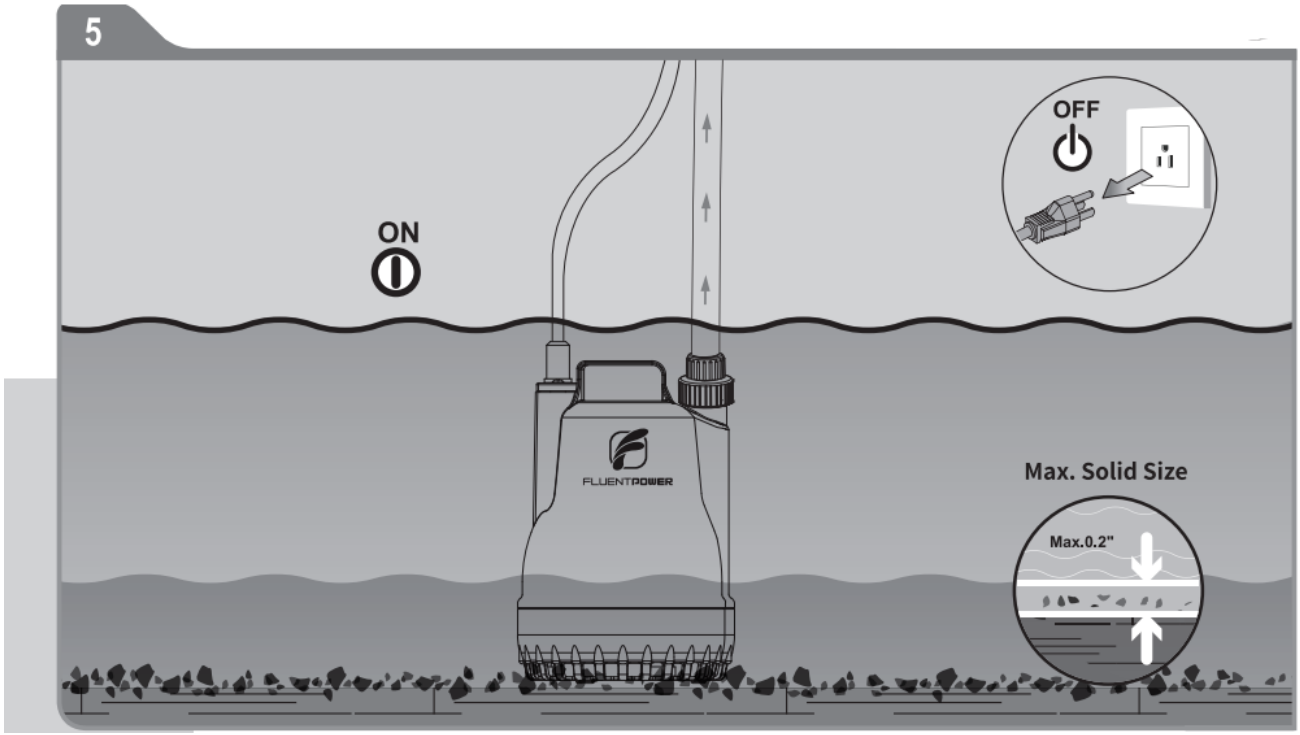




Safety and Specifications

GENERAL SAFETY
See the “Troubleshooting Chart” in this manual for information about common sump pump problems and remedies.

SAFETY GUIDELINES
ATTENTION

- RISK OF ELECTRICAL SHOCK: This pump is supplied with a grounding conductor and grounding-type attachment plug. To reduce the risk of electric shock, be certain that it is connected only to a properly grounded, grounding-type receptacle. A separate branch circuit is recommended. Do not remove the third prong from the plug.

  RISK OF ELECTRICAL SHOCK: This pump has not been certified for use in swimming pool areas where people are present in the water.
- Do not use the pump for this purpose.

  WARNING: Do not use to pump flammable or explosive liquids such as gasoline, fuel oil, kerosene, etc. This pump should only be used with liquids compatible with pump component materials.
- Failure to follow this warning can result in property damage, personal injury, or death.
- The pump motor is equipped with an automatic resetting thermal protector and may restart unexpectedly.
- Do not handle a pump or pump motor with wet hands or when standing on a wet surface, or in water. Do not stand in water while changing fuses or insert your finger into the fuse socket.
- Disconnect the pump from the power source, drain all liquids, and release all pressure within the system before attempting to service the pump.
- This pump has no user-serviceable parts. The motor housing of the pump is completely sealed and requires no service.
- Disassembly of the motor housing or alteration of the power cord will void all warranties.
- The power cord on this pump cannot be replaced. If it becomes damaged, the entire pump must be replaced.
- Conformity with local and state electric codes is mandatory. The National Electric Code requires that a ground fault circuit interrupter (GFCI) be used in the branch circuit supplying sump, utility, effluent, and all fountain pumps, pool pumps, and other pond equipment.
- All wiring and electrical work should be done by a qualified electrician. Secure the discharge line before starting the pump. An unsecured discharge line will whip, possibly causing personal injury and/or property damage.
- Do not operate the pump in a dry basin. This will cause the pump to become extremely hot, causing burns if touched and/or damage to the pump.
- Do not lift or carry the pump by the power cord; use the handle.

DESCRIPTION

This pump is recommended for use in basins or household water lifts and is suitable for pumping clean/dirty water in a sump. This pump is designed for MANUAL control, and the pump turns on and off controlled by a cable plug. The unit is constructed of hi-impact corrosion-resistant plastic and stainless steel.

NOTICE: This product is not designed for pumping flammable or corrosive fluids, e.g. oil or brine…! Use with such materials will void the warranty.

INSTALLATION

ATTENTION

CAUTION: This pump is intended to pump water only, with a maximum temperature of 95 °F (35°C). Do not pump heated liquids.

CAUTION: The motor housing transfers heat to the volute. This pump is capable of operating with the motor housing partially exposed for extended periods, while still providing sufficient motor cooling and bearing lubrication. However, for the best cooling and longest motor life, the level of the liquid being pumped should normally be above the top of the motor housing.

1. Place the pump on a hard, level surface in a suitable, gas-tight basin that is at least 10″ (25 cm) diameter and 6″ (15cm) deep. Never place the pump directly on clay, earth, or gravel surfaces.

2. Install the pump with ABS, PVC, polyethylene, or galvanized steel pipe. Use the proper adapters to connect the plastic pipe to the pump.
3. The pump should be located and should rest on a level solid foundation.
   Do not suspend the pump using a discharge-pipe or power cord.
   Keep the pump inlet screen clear.
4. Thread the outlet pipe into the pump body carefully to avoid stripping or crossing threads.
   - To install with a garden hose, install the adapter provided with the pump.
     NOTICE: To keep friction as low as possible, the hose must be 3/4″ or larger. Keep the hose as short as possible.
   - To install with rigid pipe, use plastic pipe. Wrap thread with Teflon tape or use a clamp or reliable thread sealant. Screw nine onto numb hand tight +1 – 1-1/2 turns.'
5. **Power Supply:** The pump is designed for 115V., 60 Hz. operation and requires an individual branch circuit of 15 amperes or more capacity. It is supplied with a 3-record set with a grounding-type plug for use in a 3-wire grounded outlet. 3 3-wire extension cord of at least 18AWG (0.75mm*) size is suggested, with larger sizes for runs over 25 ft. For safety, the pump should always be electrically grounded to a suitable electrical ground such as a grounded water pipe a properly grounded metallic railway, or a ground wire system. Do not cut off the grounding protection conductor.
   WARNING The pump motor is equipped with automatic- setting thermal protector and may restart unexpectedly. Protector tripping is an indication of motor overloading as a result of operating the pump at low lift (which will overload the motor), excessively high or low voltage, inadequate wiring, incorrect motor connections, or defective motor or pump.

TESTING

ATTENTION
NOTE: When the pump is installed in a basin with a sealed cover, you cannot observe the operation of the float switch. The cover usually will have a spare hole that is blocked with a rubber plug. Remove this plug to observe switch operation during testing.

1. Check the pump label for the proper voltage required.
   WARNING: Do not connect the pump to a voltage other than that shown.
2. Plug the power cord directly into an electrical outlet.
3. Run water into the basin until the pump starts.
4. Be sure the check valve in the discharge line is open.
5. Allow the pump to operate through several on-off cycles.
   If the pump does not operate properly, consult the TROUBLESHOOTING INFORMATION table. If the trouble cannot be located, consult your pump dealer or take the pump to an authorized service center.

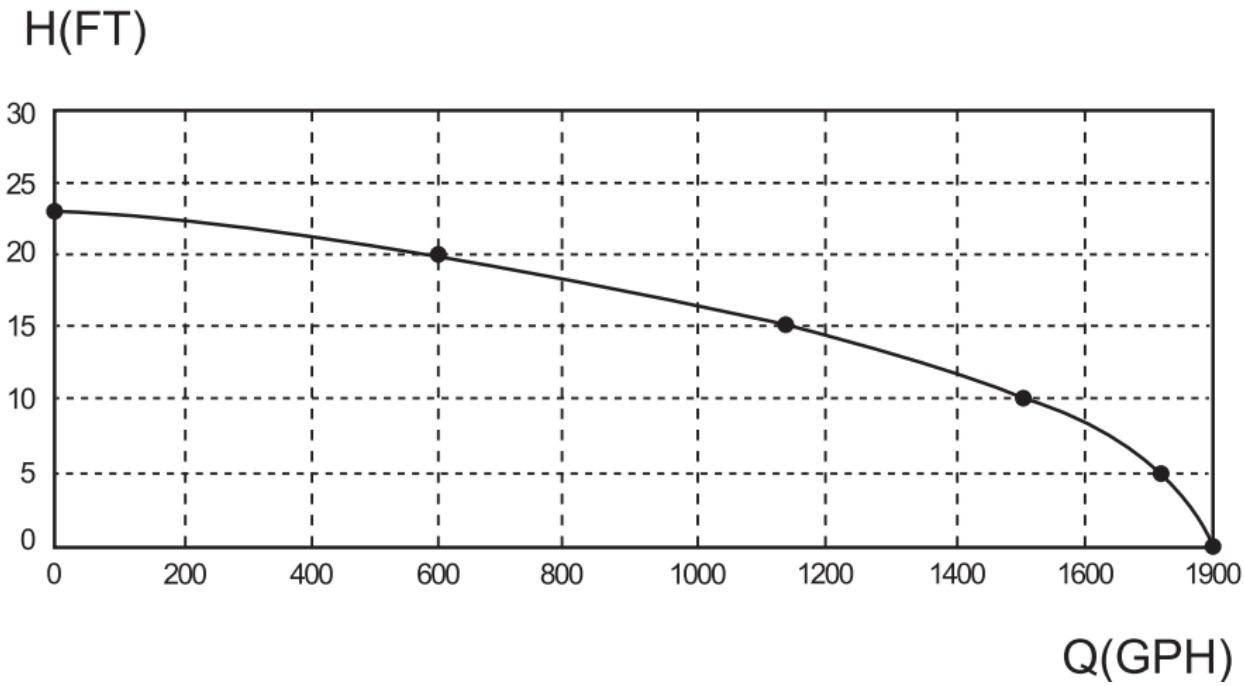
SPECIFICATIONS

Specification	Details
Model No.	FSP250C-1A
Voltage / Frequency	110~120V / 60Hz
Horse Power	1/4 HP
Max. Amp	2.3 A
Protection Type	IP X8
Max. Delivery Head	23 FT
Max. Flow Rate	1900 GPH
Max. Submersible Depth	13 FT
Max. Water Temperature	95° F
Max. Grain Size	1/5 Inch
Adapters	GHT 3/4″ and NPT 1″
Length of Power Cord	16.4 Feet
Length of Nylon Rope	26 Feet
Control	Manual

PERFORMANCE

Model No.	GPH	GPH at Total Feet (Meters)
		5′ (1.5m)
FSP250C-1A	1900	1780

H(FT).



TROUBLESHOOTING CHART

Problem	Probable Causes	Corrective Action
The pump doe s not turn on.	– Pump not plugged in.	– Plug in pump.
	– Circuit breaker shutoff or fuse re moved.	– Turn on the circuit breaker or replace the fuse.
	– Defective motor.	– Have the pump serviced by an authorized service cent er.
The pump will not shut off.	– Accumulation of trash on the float .	– Clean float.
	– Float obstruction.	– Check float path and provide clearance.
	– Float obstruction.	– Check float path and provide clearance.
The pump doe s not discharge.	The pump is air-locked.	– Shut the power off for approximately 1 minute, then res tart. Repeat several times to clear air from the pump.
	– Lift too high for the pump.	– Check rated pump performance.
	– Inlet to impeller plugged.	– Pull the pump and clean.
The pump doe s not deliver.	– Liquid inflow matches pump capacity.	– Larger pump required.
	– Check valve installed backwards.	– Check the flow indicating arrow on the check valve bod y to ensure it is installed properly.
	– Check valve is stuck or plugged.	– Remove the check valve and inspect for proper operati on.
Pump cycles c ontinually.	– Lift too high for the pump.	– Check the rating table.
	– Low voltage, speed too slow.	– Check for proper supply voltage to ensure it corresponds to nameplate voltage.
	– Impeller or discharge pipe is clog ged.	– Pull the pump and clean. Check the pipe for scale or c orrosion.
	– No check valve in long discharge pipe allowing liquid to drain back.	– Install a check valve in the discharge line.
	– Check valve leaking.	– Inspect the check valve for correct operation.
	– Basin too small for inflow.	– Install a larger basin.

RETAIN ORIGINAL RECEIPT FOR YOUR RECORDS.

LIMITED WARRANTY

FLUENT POWER warrants to the original consumer purchaser (“Purchaser” or “You”) of its products that they are free from defects in material and workmanship for twelve (12) months from the date of the original consumer purchase. If, within twelve (12) months from the original consumer purchase, any such product shall prove to be defective, it shall be repaired or replaced at FLUENTPOWER’s option, subject to the terms and conditions set forth

below. The original purchase receipt and product warranty information label is required to determine warranty eligibility. Eligibility is based on the purchase date of the original product – not the date of replacement under warranty. The warranty is limited to repair or replacement of product only – the Purchaser pays all removal, installation, labor, shipping, and incidental charges. For parts or troubleshooting assistance, DO NOT return the product to your retail store. Claims made under this warranty shall be made by returning the product (except sewage pumps, see below) to the retail outlet where it was purchased immediately after the discovery of any alleged defect. FLUENT POWER will subsequently take corrective action as promptly as reasonably possible. No requests for service will be accepted if received more than 30 days after the warranty expires.

If your sewage pump has failed:

- Wear rubber gloves when handling the pump;
- For warranty purposes, return the pump's cord tag and original receipt of purchase to the retail store;
- Dispose of the pump according to local disposal ordinances.

General Terms and Conditions

You must pay all labor and shipping charges necessary to replace the product covered by this warranty. This warranty does not apply to the following:

1. acts of God;
2. products which, in FLUENTPOWER's sole judgment, have been subject to abuse, accident, misapplication, tampering, or alteration;
3. failures due to improper installation, operation, maintenance, or storage;
4. atypical or unapproved application, use, or service;
5. failures caused by corrosion, rust, or other foreign materials in the system, or operation at pressures over recommended maximums. This warranty sets forth FLUENTPOWER's sole obligation and purchaser's exclusive remedy for defective products.

FLUENTPOWER SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, OR CONTINGENT DAMAGES WHATSOEVER THE FOREGOING WARRANTIES ARE EXCLUSIVE AND INSTEAD OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE FOREGOING WARRANTIES SHALL NOT EXTEND BEYOND THE DURATION PROVIDED HEREIN. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to You. This warranty gives You specific legal rights and You may also have other rights which vary from state to state.

CUSTOMER SUPPORT
PLEASE DON'T RETURN THIS PRODUCT TO THE STORE

- HAVING PROBLEMS?
- INSTALLATION QUESTIONS?
- **NEED PARTS?**
- TROUBLESHOOTING?

CONTACT US FIRST
fluenttools@gmail.com

FAQs

What is the model of the utility clean water pump from Fluentpower?

The model of the utility clean water pump from Fluentpower is the FSP250C-1A.

How does the Fluentpower FSP250C-1A utility clean water pump operate?

The Fluentpower FSP250C-1A utility clean water pump operates efficiently to pump clean water for various applications.

What type of water is suitable for the Fluentpower FSP250C-1A utility clean water pump?

The Fluentpower FSP250C-1A utility clean water pump is designed to handle clean water effectively.

What are the main features of the FLUENTPOWER FSP250C-1A Utility Clean Water Pump?

The FLUENTPOWER FSP250C-1A features a high flow rate, durable construction, thermal protection, and a compact design for easy handling and storage.

What is the flow rate of the FLUENTPOWER FSP250C-1A Utility Clean Water Pump?

The FLUENTPOWER FSP250C-1A has a maximum flow rate of 330 gallons per hour (GPH).

What materials is the FLUENTPOWER FSP250C-1A Utility Clean Water Pump made of?

The FLUENTPOWER FSP250C-1A is made of high-quality plastic and metal components to ensure durability and longevity.

How do you maintain the FLUENTPOWER FSP250C-1A Utility Clean Water Pump?

Regularly check and clean the inlet and outlet filters of the FLUENTPOWER FSP250C-1A, and ensure all connections are secure to maintain optimal performance.

What should I do if the FLUENTPOWER FSP250C-1A Utility Clean Water Pump stops working?

If the FLUENTPOWER FSP250C-1A stops working, check the power supply, inspect for blockages in the hoses, and ensure the pump is not overheating.

What is the power rating of the FLUENTPOWER FSP250C-1A Utility Clean Water Pump?

The FLUENTPOWER FSP250C-1A has a power rating of 250 watts.

What applications are suitable for the FLUENTPOWER FSP250C-1A Utility Clean Water Pump?

The FLUENTPOWER FSP250C-1A is suitable for applications such as draining water from pools, ponds, and basements, and for garden irrigation.

Video-FLUENTPOWER FSP250C-1A UTILITY CLEAN WATER PUMP

Download this manual: https://manuals.plus/wp-content/uploads/2024/05/FLUENTPOWER-FSP250C-1A-UTILITY-CLEAN-WATER-PUMP.mp4

References

- User Manual