

FLUENTPOWER FSP750C-3

FLUENTPOWER 3/4HP Submersible Sump Pump

MODEL: FSP750C-3 - INSTRUCTION MANUAL

1. Introduction and Product Overview

This manual provides essential information for the safe and efficient operation of your FLUENTPOWER 3/4HP Submersible Sump Pump, Model FSP750C-3. This powerful utility pump is designed for effective water drainage from various sources such as swimming pools, garden ponds, and flooded basements. It features a robust 3/4 HP motor, a maximum flow rate of 3,000 GPH, and a vertical float switch for automatic operation.

Submersible Pump

with Vertical Float Switch



Image 1: Overview of the FLUENTPOWER Sump Pump highlighting its powerful motor, oil-filled seal, and overheat protection.

2. Safety Information

Always prioritize safety when operating electrical equipment near water. Read and understand all instructions before use. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Ensure the power supply matches the pump's voltage (110 Volts).
- Do not operate the pump with a damaged cord or plug.
- Never handle the pump or its power cord with wet hands.
- Always disconnect power before performing any maintenance or adjustments.
- Keep children and pets away from the operating area.
- Do not pump flammable or corrosive liquids.
- Avoid dry running the pump, as this can cause damage.

3. Package Contents

Verify that all components are present upon unpacking:

- FLUENTPOWER Submersible Sump Pump
- Vertical Float Switch (pre-attached or separate)
- 16.4-foot Power Cord (main pump)
- 10-foot Power Cord (float switch, piggy-back plug)
- GHT 3/4" Adapter
- NPT 1" Adapter
- Check Valve
- Rope for lowering/raising
- Mounting bracket for pump
- Mounting bracket for pipe
- Stainless steel hose clamp
- Four screws

4. Setup and Installation

Follow these steps to prepare your sump pump for operation:

1. **Attach Discharge Adapters:** Select the appropriate adapter (GHT 3/4" or NPT 1") for your discharge hose. The check valve should be installed into the joint by rotating the adapter into the pump thread. For high capacity pumping, use the G 1-1/4" discharge port.
2. **Install Vertical Float Switch:** The vertical float switch can be installed in two ways:
 - **Fixed on the pump:** Use the provided mounting bracket and screws to attach the float switch directly to the pump body. This is suitable for smaller pits.
 - **Fixed on a pipe:** Use the stainless steel hose clamp and pipe mounting bracket to secure the float switch to a vertical pipe in the sump pit. This allows for more flexible activation level adjustment.

Ensure the float switch can move freely without obstruction to prevent continuous operation or failure to activate.

3. **Attach Rope:** Securely tie the provided rope to the pump handle. This rope is used for safely lowering and retrieving the pump from the water, preventing damage to the power cord.

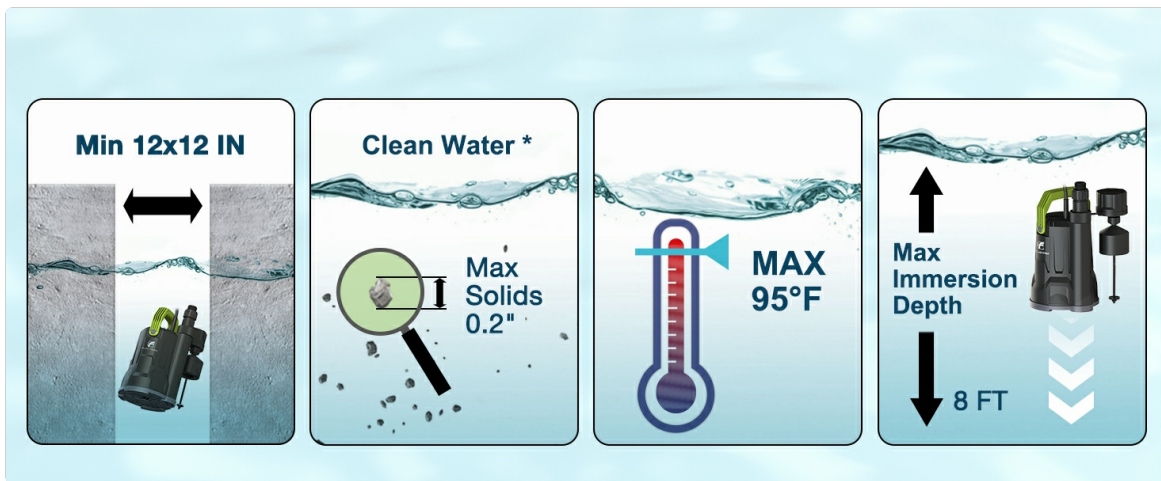


Image 2: Step-by-step guide for connecting adapters, submerging the pump, and initiating automatic operation.



Image 3: Illustration of the vertical float switch operation, showing activation at 4 inches and deactivation at 1.6 inches.

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Video 1: A detailed demonstration of the FLUENTPOWER Submersible Sump Pump, including unboxing, assembly of the float switch and adapters, and a live test of its pumping capabilities in a pool setting.

5. Operating Instructions

The pump offers two operating modes:

- **Automatic Operation:** When the vertical float switch is installed, the pump will automatically turn on when the water level reaches approximately 4 inches and turn off when the water level drops to about 1.6 inches. The maximum submersion depth for automatic operation is 8 feet.
- **Manual Operation:** For continuous pumping or to achieve a lower residual water level (down to 0.4 inches), you can operate the pump manually by plugging and unplugging the power cord. The maximum submersion depth for manual operation is 13 feet. Ensure the pump does not run dry for extended periods in manual mode.

The pump can handle solids up to 1/5 inch in diameter. It is suitable for clean water drainage.

Two Working Modes

Automatic

Automatically controlled by vertical float switch.



10FT Power Cord



Manual

Manually controlled by plug-in/out operation.



16FT Power Cord



Image 4: Visual representation of the Automatic and Manual operating modes, including water level triggers and power cord lengths.

CONNECTIONS

Select the appropriate adapter and attach the hose.

1



The check valve can be installed into the joint by rotating the adapter into the pump thread.

SUBMERGE PUMP

Fully submerge the pump in water.

2



POWER ON TO START

Vertical float switch to automatically turn the pump on/off.

3



Image 5: Important usage guidelines, including lifting the pump by rope, not pulling the power cord, and avoiding dry running.

6. Maintenance

Regular maintenance ensures optimal performance and extends the pump's lifespan:

- **Cleaning:** Periodically clean the pump's intake screen to remove debris that may obstruct water flow.
- **Inspection:** Regularly inspect the power cord, float switch, and pump housing for any signs of damage or wear.
- **Storage:** If storing the pump for an extended period, clean it thoroughly and store it in a dry, frost-free location.

7. Troubleshooting

If your pump is not operating correctly, consider the following common issues:

- **Pump does not start:** Check if the pump is properly plugged into a working power outlet. In automatic mode, ensure the water level is high enough to activate the float switch. Inspect the power cord for damage.
- **Pump runs but no water flows:** Check for blockages in the intake screen or discharge hose. Ensure the pump is fully submerged and primed. Verify the check valve is installed correctly and not stuck.
- **Pump runs continuously:** In automatic mode, check if the float switch is stuck in the 'on' position or if the water level is consistently above the 'off' threshold.
- **Reduced flow rate:** Clean the intake screen. Check for kinks or obstructions in the discharge hose.

For persistent issues, refer to the warranty and support section.

8. Specifications

Feature	Specification
Brand	FLUENTPOWER
Model Number	FSP750C-3
Power Source	Corded Electric
Voltage	110 Volts
Horsepower	3/4 HP
Maximum Flow Rate	3000 GPH (50 Gallons Per Minute)
Maximum Lifting Height	26 Feet

Feature	Specification
Max. Submersion Depth (Automatic)	8 Feet
Max. Submersion Depth (Manual)	13 Feet
Max. Solids Handling	1/5 inch (0.2")
Product Dimensions	7.1"L x 6.2"W x 10.8"H
Item Weight	9.6 Pounds
Material	Plastic (Corrosion-resistant thermoplastic construction)
Power Cord Length (Main)	16.4 Feet
Power Cord Length (Float Switch)	10 Feet
Included Components	GHT 3/4", NPT 1" male thread including check valve, vertical float switch, rope



Image 6: Detailed specifications and dimensions of the sump pump.

3/4HP Sump Pump

Clean water drainage pump

OUTPUT FLOW RATE @ TOTAL HEAD

Flow (Gallons per Hour)	Head (Feet)
0	25
500	20
1000	15
1500	10
2000	5
3000	0

- Ultra Quiet
- IPX8 Waterproof
- Overload Protection
- Corrosion-resistant

Image 7: Performance curve and additional features of the 3/4HP Sump Pump.

9. Warranty and Support

FLUENTPOWER is committed to providing reliable products and excellent customer service. We offer lifelong technical consultation and 24-hour customer service to assist you with any questions or issues you may encounter.

Please retain your proof of purchase for warranty claims. For support, contact our customer service team through the retailer's platform or visit the official FLUENTPOWER website.