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› [FLUENTPOWER 3/4HP Sump Pump 3600GPH Stainless Steel Submersible Pump, Auto/Manual Control with 26-Foot Cord, Drain Clean/Dirty Water for Basement Flood Cellar Pool Pond Garden Hot Tub - Instruction Manual](#)

FLUENTPOWER FSP900DWB

FLUENTPOWER 3/4HP Sump Pump Instruction Manual

MODEL: FSP900DWB

Brand: FLUENTPOWER

1. INTRODUCTION

The FLUENTPOWER 3/4HP Sump Pump is a robust and efficient submersible pump designed for various water transfer applications. Its stainless steel construction ensures durability and effective cooling. This manual provides essential information for the safe and proper installation, operation, and maintenance of your pump.

2. SAFETY INFORMATION

Please read and understand all safety warnings and instructions before operating the pump. Failure to follow these instructions may result in electric shock, fire, serious injury, or property damage.

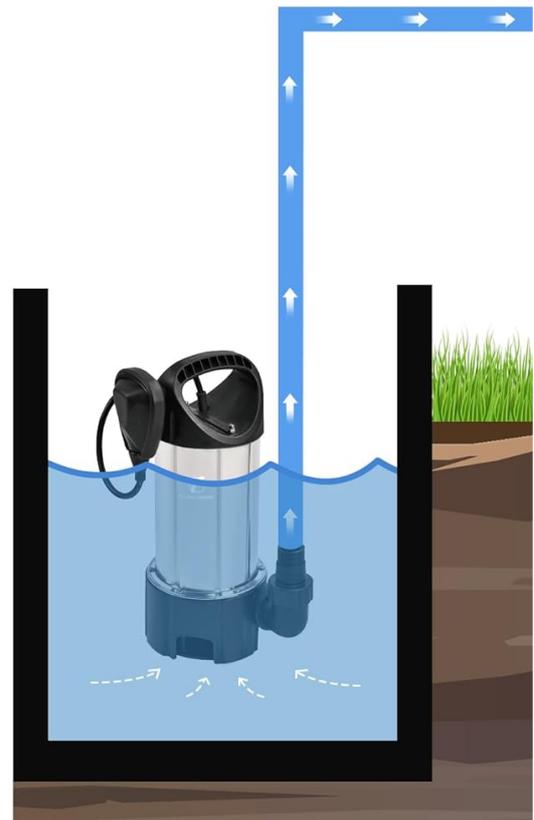
- Always disconnect the pump from the power source before performing any maintenance or adjustments.
- Ensure the power outlet is properly grounded and protected by a Ground Fault Circuit Interrupter (GFCI).
- Do not operate the pump with a damaged cord or plug.
- Do not use the pump to transfer flammable or corrosive liquids.
- Keep children and pets away from the pump during operation.
- The pump is equipped with thermal protection to prevent motor burnout. If the pump triggers the thermal overload protector, it will automatically restart after cooling down.
- Ensure the pump is fully submerged in water during operation to prevent overheating, especially in manual mode.

3. PACKAGE CONTENTS

- FLUENTPOWER 3/4HP Sump Pump
- GHT 3/4" adapter
- NPT 1" adapter
- 1.5" male thread connector (with three different diameter outlets: 1 inch, 1-1/4 inch, 1-1/2 inch)



Figure 1: Main product components including the pump and various adapters.



FOUR REPLACEMENT ADAPTERS INCLUDED



Figure 2: Detailed view of the four replacement adapters provided for hose connections.

4. SETUP

1. **Placement:** Place the pump in the desired location for water drainage. Ensure the pit or area is at least 16 inches by 16 inches for optimal operation.
2. **Hose Connection:** Select the appropriate adapter (GHT 3/4", NPT 1", or 1.5" male thread) for your discharge hose. Screw the chosen adapter securely onto the pump's discharge port. For maximum flow rate, use the 1.5" male thread adapter with the largest possible outlet diameter (up to 1-1/2 inches) that fits your hose.
3. **Submerging the Pump:** Before plugging in, tilt and submerge the pump into the water for a few seconds to expel any trapped air inside the pump. This primes the pump for efficient operation.
4. **Power Connection:** Once the pump is properly positioned and the hose is connected, plug the 26.2 ft power cord into a grounded electrical outlet.

WORKING PERFORMANCE



Discharge NPT	GPH OF WATER @ TOTAL FT OF HEAD				Max. Head
	5'	10'	15'	20'	
38 MM (1.5")	2780	2300	1820	1050	3600

Figure 3: The pump positioned in a typical pit, illustrating its dimensions and the recommended minimum pit size.

5. OPERATING MODES

The FLUENTPOWER Sump Pump offers both automatic and manual operation modes, controlled by the integrated float switch.

5.1 Automatic Operation

In automatic mode, the pump's ON/OFF function is controlled by the float switch. When the water level rises above 15-20 inches, the pump will automatically start. It will stop working when the water level reaches the stop-level of 6 inches.

5.2 Manual Operation

For situations where the water level is too low for the float switch to operate freely, or if continuous pumping is desired, the pump can be manually controlled. To activate manual mode, simply attach the float switch to its side slot on the pump. In this mode, the pump will run continuously and will not turn off automatically. It can

remove water down to 2 inches. **Important:** Remember to cut off the power immediately once the desired water level is reached to prevent the motor from running dry and potentially burning out.

Automatic Mode

The pump is controlled by float switch, which turns ON/OFF according to the water level.



Manual Mode

If water level is low or not enough for floater freely floating in the water, simply put the floater on its side slot, then the pump becomes manually controlled.



Working



Stop



Working

Figure 4: Illustration of the pump's automatic and manual operating modes based on water level and float switch position.

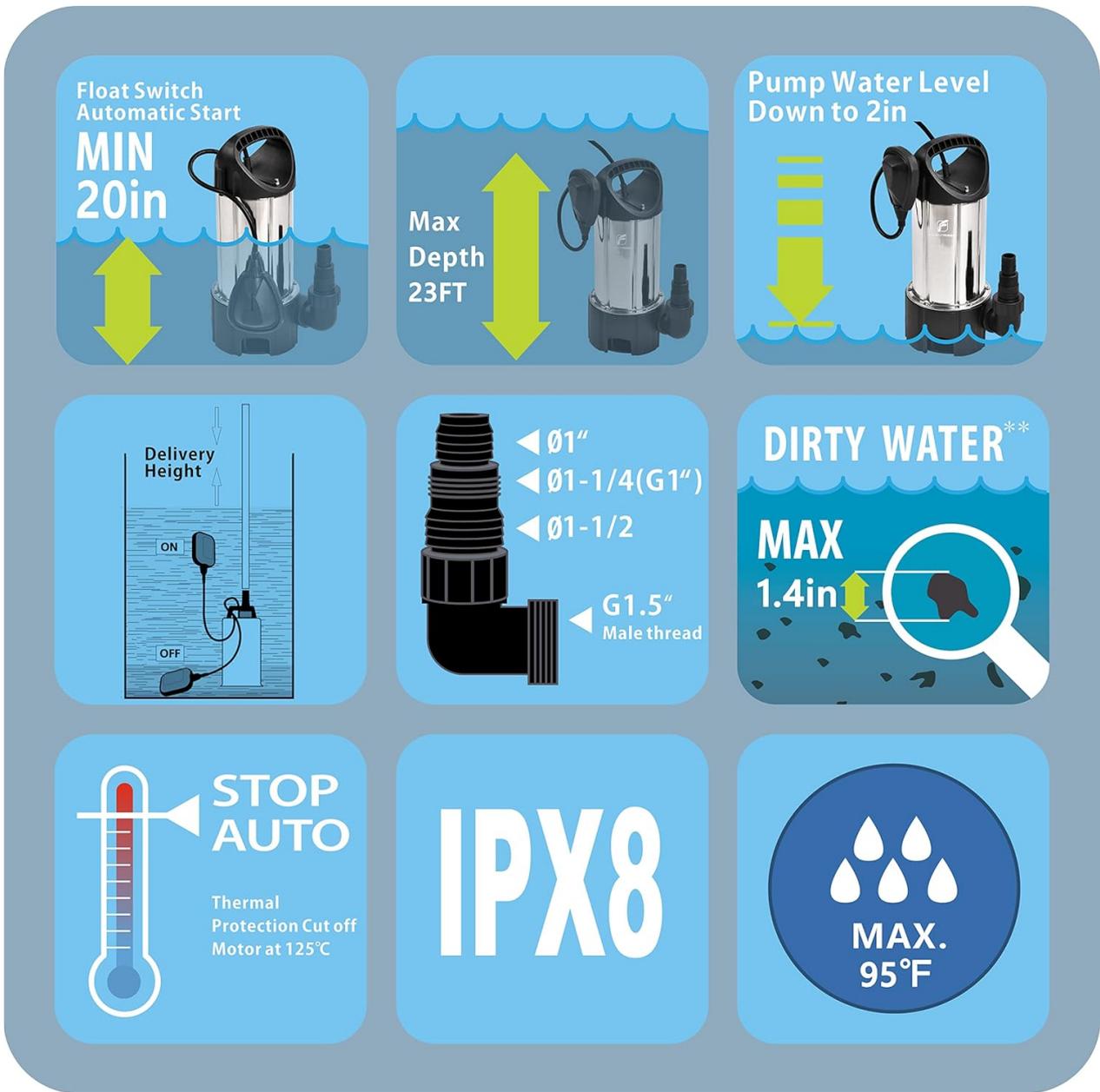


Figure 5: Key operational features such as float switch activation levels, maximum immersion depth, dirty water particle size capacity, IPX8 waterproof rating, and thermal protection.

6. PERFORMANCE DATA

The following table outlines the pump's performance characteristics at various discharge heights (Head) with a 1.5" thread connection.

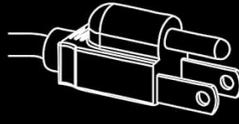


FLUENTPOWER

FSP900DWB



3/4 HP



110V/60Hz



Max. 3300 GPH



Max. 26 ft



3 x 1.0mm²



8 m



PERFORMANCE (with 1.5" thread connection)

Head	GPM	GPH
0'	55	3300
5'	44.8	2690
10'	36.8	2210
15'	29.8	1790
20'	17.1	1030
23'	6.5	390

Figure 6: Performance chart detailing Gallons Per Minute (GPM) and Gallons Per Hour (GPH) at different discharge heights (Head).

7. APPLICATIONS

This FLUENTPOWER Sump Pump is versatile and suitable for a wide range of water removal tasks, including:

- Draining flooded basements or cellars
- Emptying garden ponds
- Draining hot tubs and swimming pools
- Transferring water for irrigation in gardens
- Removing water from muddy pits (solids less than 1.4 inches)



Figure 7: Examples of the pump's multi-purpose applications, demonstrating its utility in different water removal scenarios.

8. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your pump.

- **Cleaning:** Periodically inspect the pump's intake screen and impeller for debris. Clean any accumulated dirt or foreign objects to prevent clogging and maintain efficient water flow.
- **Storage:** When not in use for extended periods, clean the pump thoroughly, drain all water, and store it in a dry, frost-free location.
- **Sealing Structure:** The pump features an upgraded sealing structure designed for extended life. Avoid disassembling the pump unless specifically instructed by a qualified technician.

9. TROUBLESHOOTING

If you encounter issues with your pump, refer to the following common problems and their solutions:

Problem	Possible Cause	Solution
Pump does not start	No power; Float switch not activated (in auto mode); Impeller jammed	Check power connection and GFCI; Ensure float switch is free to move or switch to manual mode; Disconnect power and clear any obstructions from the impeller.
Low water flow	Hose kinked or clogged; Intake screen blocked; Air trapped in pump	Check and clear hose; Clean intake screen; Tilt pump to expel air.
Pump runs continuously (in auto mode)	Float switch stuck in ON position; Float switch attached for manual operation	Check float switch for obstructions; Detach float switch from side slot for automatic operation.
Pump stops unexpectedly	Thermal overload activated; Water level too low (in auto mode)	Allow pump to cool down; Ensure water level is above the minimum start level for auto mode.

10. SPECIFICATIONS

Feature	Specification
Brand	FLUENTPOWER
Model Number	FSP900DWB
Style	3/4HP
Power Source	AC
Voltage	110 Volts
Wattage	550 watts
Maximum Flow Rate	3600 GPH (60 Gallons Per Minute)
Maximum Lifting Height	27 ft vertical (Max. 26 Feet)
Max Immersion Depth	23 ft
Cable Length	26.2 ft
Product Dimensions	9.3"L x 6.3"W x 14.2"H
Item Weight	8.6 Pounds

Feature	Specification
Material	Plastic, Stainless Steel
Max Solid Particle Size	1.4 inches
UPC	764560985831

11. WARRANTY AND SUPPORT

The FLUENTPOWER 3/4HP Sump Pump comes with a one-year manufacturer's warranty. For any technical consultation or customer service inquiries, FLUENTPOWER provides lifelong technical support and 24-hour customer service.

Please retain your proof of purchase for warranty claims.