

FLUENTPOWER FSP20DC-2

FLUENTPOWER Cordless Submersible Water Pump Kit User Manual

MODEL: FSP20DC-2

1. Product Overview

The FLUENTPOWER Cordless Submersible Water Pump Kit (Model FSP20DC-2) is an innovative 18V 4.0Ah battery-powered solution designed for efficient water transfer. Ideal for draining water directly from rain barrels, water butts, tanks, pools, or ponds, this portable pump eliminates the need for power cables, offering unparalleled convenience for garden watering and other water transfer needs.

Its compact design and robust performance make it a versatile tool for various applications, from garden irrigation to emergency water removal.

2. Package Contents

Your FLUENTPOWER Cordless Submersible Water Pump Kit includes all the essential components for immediate use:

- Utility Pump
- Battery Control Unit
- Connecting Hose (7.2-foot) with Hose Guide and Quick Connector
- Tank Attachment
- Wall Attachment
- 18V 4.0 Ah Battery
- Charger
- 2 Adapters (Quick-connect Adapter, GHT 3/4" Adapter)



Image: Complete kit contents including pump, battery, charger, and accessories.

3. Specifications

Feature	Specification
Power Source	18V 4.0Ah Lithium Ion Battery
Motor Wattage	90 W
Max. Flow Rate	530 GPH (9 Gallons Per Minute)
Max. Delivery Height (Head)	65.6 FT
Max. Pressure	2 Bar
Max. Immersion Depth	6 FT
Minimum Water Level to Start	Approx. 6 inches
Drain Down Level	Down to 1 inch
Pump Dimensions (W x H)	3.3" x 7.1"
Pump Weight	1.5 Lbs

Power Cable Length	8.2 FT
Connecting Hose Length	7.2 FT
Outlet Discharge	3/4" GHT
Timer Function	5 / 10 / 15 minutes

**SMALL PUMP
BIG POWER**

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90w

7.1"

3.3"

FT

GPH

0 20 40 60 80

100 200 300 400 500 600

Image: Pump specifications and flow rate chart.



18V BATTERY POWERED SUBMERSIBLE PUMP

An effortless way to draw water quickly from tanks and water butts. <

Image: Product dimensions for the pump and battery unit.

4. Setup

4.1 Battery Installation

To install the 18V 4.0Ah battery:

1. Move the carrying handle up on the battery control unit.
2. Open the battery compartment cover.
3. Insert the 18V battery into the compartment, ensuring it clicks securely into place.
4. Close the battery compartment cover firmly to ensure a waterproof seal.



Image: Battery compartment and mounting options.

Video: Demonstrates the installation of the battery into the waterproof compartment and overall kit setup.

4.2 Hose Connection

Connect the 7.2-foot hose to the pump's outlet using the quick connector. Ensure a tight fit to prevent leaks.

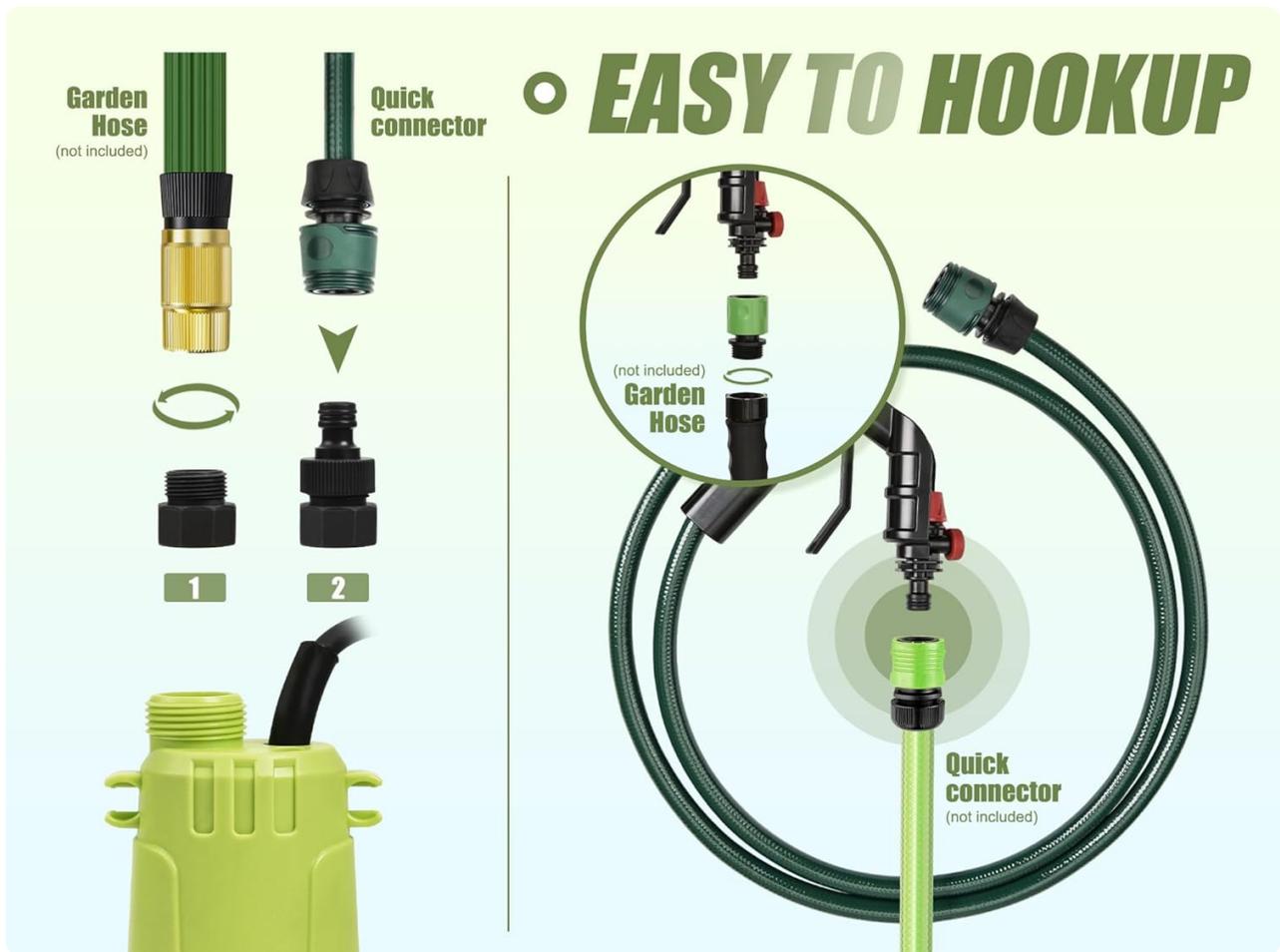


Image: Easy hose connection steps.

4.3 Mounting Options

The battery control unit offers two convenient installation methods:

- **Wall-Mounted:** Use the included wall attachment to secure the unit to a vertical surface (e.g., a wall or tree).
- **Tank Attachment:** Utilize the tank attachment to easily hang the unit on the edge of a rain barrel or water tank.

The curved hose guide can be attached to the barrel edge and positioned as needed to direct the hose.

Video: Shows the wall-mounted and tank attachment installation methods for the pump.

5. Operating Instructions

5.1 Power On/Off

To start or stop the pump, simply press the control panel button located on the battery control unit. The unit will indicate battery life and operational status.

5.2 Timer Function

The pump features a convenient timer function with three settings:

- 5 minutes
- 10 minutes
- 15 minutes

Select your preferred run time, and the pump will automatically operate for the chosen duration.

Video: Demonstrates the pump's operation, including the timer function and water flow.

5.3 Water Level Requirements

The minimum water level required for the pump to start working is approximately 6 inches. It is capable of draining water down to a level of 1 inch, ensuring efficient water removal.

5.4 Applications

This versatile pump is suitable for a variety of water transfer tasks:

- **Rain Barrel/Water Butt:** Easily transfer collected rainwater for garden irrigation.
- **Pool/Pond:** Ideal for draining small pools or ponds.
- **Basement:** Can be used for emergency water removal in basements or flooded areas.
- **Garden Irrigation:** Connects to sprinklers, sprayers, and standard garden hoses for convenient watering.
- **Outdoor Shower:** Provides water pressure for outdoor showering setups.



Outdoor Shower



Bsaement



Swimming Pool



Garden Irrigation

Image: Diverse applications of the pump.

6. Maintenance

6.1 Removable Strainer Base

The pump features a removable strainer base designed to prevent clogs from debris. Regularly inspect and clean the strainer base to ensure optimal performance and longevity of the pump.

6.2 Thermal Overload Protection

The pump is equipped with built-in thermal overload protection. This feature automatically shuts off the pump if it detects overheating, preventing damage and ensuring safe operation. Allow the pump to cool down before resuming use if this protection is activated.

7. Troubleshooting

If you encounter issues with your FLUENTPOWER Cordless Submersible Water Pump, consider the following:

- **Pump Not Starting:** Ensure the 18V battery is fully charged and properly inserted into the waterproof compartment. Check that the power button on the control panel is pressed.
- **Low Water Flow:** Verify that the water source has sufficient depth (at least 6 inches for starting). Inspect the removable strainer base for any clogs or debris and clean if necessary. Check the hose for kinks or blockages.
- **Pump Stops Unexpectedly:** The thermal overload protection may have activated due to overheating. Allow the pump to cool down for a period before attempting to restart. Ensure the pump is adequately submerged during operation.
- **Water Leakage:** Check all hose connections, especially the quick connector, to ensure they are tight and properly sealed.

8. Warranty and Support

FLUENTPOWER is committed to providing high-quality products and excellent customer service. Your Cordless Submersible Water Pump Kit comes with:

- Lifelong technical consultation.
- 24-hour customer service for any inquiries or assistance.

For support, please refer to the contact information provided in your product packaging or visit the official FLUENTPOWER website.