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Fluval 10525

Fluval Spec V Aquarium Kit (16 gal.) Instruction Manual

Model: 10525

PRODUCT OVERVIEW

The Fluval Spec V Aquarium Kit is a compact and stylish aquarium designed for both freshwater and saltwater environments. It features an integrated 10-watt, 31-diode LED lighting system and a powerful 3-stage filtration system to maintain optimal water clarity and health for your aquatic inhabitants. The kit is engineered for ease of use, making it suitable for both novice and experienced aquarists.



SETUP INSTRUCTIONS

1. Unpacking and Inspection

Carefully remove all components from the packaging. Inspect the aquarium and all accessories for any signs of damage. Do not proceed with setup if any components are damaged. Contact customer support for assistance.

2. Choosing a Location

Select a flat, sturdy surface capable of supporting the full weight of the aquarium when filled (approximately 130 lbs for 16 gallons of water plus substrate and decorations). Avoid direct sunlight, which can promote excessive algae growth, and areas with extreme temperature fluctuations.

3. Component Identification and Assembly

Familiarize yourself with the main components:

- Aquarium tank (16 US Gallons / 60 Liters)
- Integrated LED lighting system
- Lid with feeding cutout
- 3-stage filtration system (mechanical foam, activated carbon, BioMax biological media)
- Circulation pump with multi-directional dual outputs



Figure 2: Top view of the aquarium, showing the lid and its design.



Figure 3: View of the rear compartment, housing the filtration system components.

1. **Install Filter Media:** Place the mechanical foam filter into the first chamber of the rear compartment. Insert the activated carbon pouch into the second chamber, and the BioMax biological media into the third chamber. Ensure they are seated correctly for optimal water flow.



Figure 4: Proper placement of filter media within the designated compartments.

2. **Position Pump:** Ensure the circulation pump is securely placed in its designated section within the rear

compartment. Connect the multi-directional dual outputs to the pump outlet.



Figure 5: The multi-directional dual output nozzle, allowing for customized water flow.

3. **Place Lid:** Carefully place the lid onto the aquarium. The lid is designed with a large cutout for easy feeding and a honeycomb pattern to camouflage the water line and rear compartment.

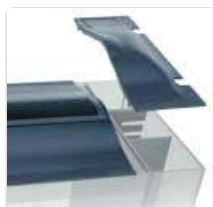


Figure 6: The removable cover provides complete access to the rear chamber for maintenance.

4. Filling the Aquarium

Before filling, rinse any substrate and decorations thoroughly. Fill the aquarium with dechlorinated water. Ensure the water level is maintained above the minimum operating level for the pump, typically indicated by the honeycomb pattern on the tank.

5. Initial Power-Up

Once filled, plug in the circulation pump and the LED lighting system. The pump should begin circulating water immediately. The LED light features a touch-start day and night illumination. Refer to the Operating section for light controls.

OPERATING INSTRUCTIONS

Daily Operation

- **Feeding:** Use the large cutout on the lid for convenient feeding of your aquatic pets.
- **Lighting:** The integrated LED light provides optimal illumination for plant growth and fish coloration.



Figure 7: Detail of the high-output 7000 K LED lighting system.

LED Light Controls

The LED light is controlled by a touch-sensitive switch. Tap the switch to cycle through different modes (e.g., day, night, off). The 7000 K LED is designed to enhance plant growth and fish colors. Note that the light's touch-start feature means it may not automatically resume its previous setting if power is interrupted by an external timer. Manual re-activation may be required.

Water Flow Adjustment

The multi-directional dual outputs allow you to customize the water flow within the aquarium. Adjust the nozzles to direct

the flow as desired, ensuring adequate circulation without creating excessive currents for your specific aquatic inhabitants.

MAINTENANCE

Regular maintenance is crucial for a healthy aquarium environment.

1. Water Changes

Perform partial water changes (e.g., 25% weekly or bi-weekly) to remove nitrates and replenish essential minerals. Always use dechlorinated water that matches the aquarium's temperature.

2. Filter Maintenance

- **Mechanical Foam:** Rinse the mechanical foam filter weekly in old aquarium water (not tap water) to remove trapped debris. Replace every 2-4 weeks or as needed.
- **Activated Carbon:** Replace the activated carbon pouch every 2-4 weeks. Activated carbon absorbs impurities and odors but becomes saturated over time.
- **BioMax Biological Media:** This media houses beneficial bacteria and should only be rinsed gently in old aquarium water if it becomes excessively clogged. Avoid harsh cleaning or replacement, as this can disrupt the biological filtration.



Figure 8: Accessing the filter media for routine cleaning or replacement.

3. Aquarium Cleaning

Clean the interior glass surfaces regularly to remove algae buildup. A magnetic algae cleaner or scraper can be used. Periodically vacuum the substrate to remove accumulated waste.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Cloudy Water	New tank syndrome (bacterial bloom), overfeeding, insufficient filtration, dirty filter media.	Perform partial water changes. Reduce feeding. Clean or replace mechanical filter media. Ensure biological media is healthy. Allow time for beneficial bacteria to establish.
Pump Not Operating	Power outage, pump clogged, impeller jammed, airlock.	Check power connection. Unplug and re-plug. Remove pump and clean impeller. Ensure water level is adequate.
LED Light Not Turning On/Off with Timer	Touch-sensitive control requires manual activation after power interruption.	Manually tap the light switch to activate it after the timer turns power on. Consider a smart plug or timer that can simulate a touch if this is a persistent issue.
Excessive Algae Growth	Too much light, excess nutrients (overfeeding, infrequent water changes).	Reduce lighting duration (6-8 hours daily is typical). Perform more frequent water changes. Reduce feeding. Introduce algae-eating inhabitants if suitable for your tank.

Problem	Possible Cause	Solution
Small Fish/Shrimp in Filter Compartment	Openings to filter section are accessible to small inhabitants.	Place fine filter sponge or mesh over the intake grills to prevent small inhabitants from entering the filter area. Ensure it does not impede water flow significantly.

SPECIFICATIONS

Feature	Detail
Aquarium Size (L x W x H)	22 x 17.5 x 11.5 inches (55.9 x 44.5 x 29.2 cm)
Tank Volume	16 US Gallons (60 Liters)
Item Weight	26.6 pounds (12.1 Kilograms)
Lighting	10-watt, 31-diode LED (7000 K) with day/night illumination
Filtration	3-stage (mechanical foam, activated carbon, BioMax biological media)
Pump Flow Rate	132 GPH (Gallons Per Hour)
Material	Borosilicate Glass, Aluminum
Color	Black
Model Number	10525

WARRANTY AND SUPPORT

Fluval products are manufactured with quality and safety in mind. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. Please refer to the warranty card included with your purchase for specific terms and conditions, including warranty duration and claim procedures.

For technical support, replacement parts, or further assistance, please visit the official Fluval website or contact their customer service department. Keep your proof of purchase for warranty claims.

Note: The warranty typically covers manufacturing defects and does not cover damage resulting from improper installation, misuse, neglect, or unauthorized modifications.