

## CRESTWAVE FLO300

# CrestWave FLO300 300W Sink Pump User Manual

Model: FLO300

## 1. IMPORTANT SAFETY INFORMATION

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Please read and understand all safety instructions before installing, operating, or performing maintenance on this pump. Failure to follow these instructions may result in electric shock, fire, serious injury, or death.

- **Electrical Safety:** Ensure the pump is connected to a properly grounded outlet. Do not operate with damaged cords or plugs. Disconnect power before any service or maintenance.
- **Water Safety:** This pump is designed for greywater only. **Do not use for blackwater (containing solids like human waste) or flammable liquids.** Ensure all connections are watertight to prevent leaks.
- **Temperature:** The pump can handle water up to 90°C (194°F). Do not exceed this temperature.
- **Children and Pets:** Keep children and pets away from the pump and its operating area.
- **Ventilation:** Ensure adequate ventilation around the pump.

## 2. PRODUCT OVERVIEW

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The CrestWave FLO300 300W Sink Pump is a high-efficiency utility pump designed for rapid greywater removal from various household and off-grid applications. Its compact design and versatile inlets make it suitable for sinks, showers, bathtubs, laundry areas, boats, and RVs.

### Key Features:

- **Powerful Motor:** 300W pure copper motor delivers a flow rate of 110 Liters Per Minute (LPM).
- **High Lift Capability:** Capable of a 23 ft (7 meters) vertical lift and 230 ft (70 meters) horizontal lift.
- **Multiple Inlets:** Features 3 versatile water inlets for connecting various fixtures.
- **Quiet Operation:** Operates at a low noise level of 30-40dB.
- **Durable Construction:** Crafted from thickened PP material with IPX4 waterproofing and a leak-proof design.
- **Hot Water Tolerance:** Withstands water temperatures up to 90°C (194°F).
- **Automatic Operation:** Equipped with water-level sensors for automatic start/stop.

# 3 Inlets & 1 Outlet

New Version VS Old Version



This image illustrates the CrestWave sink pump with its three inlets and one outlet, demonstrating its versatile connection options for various fixtures.

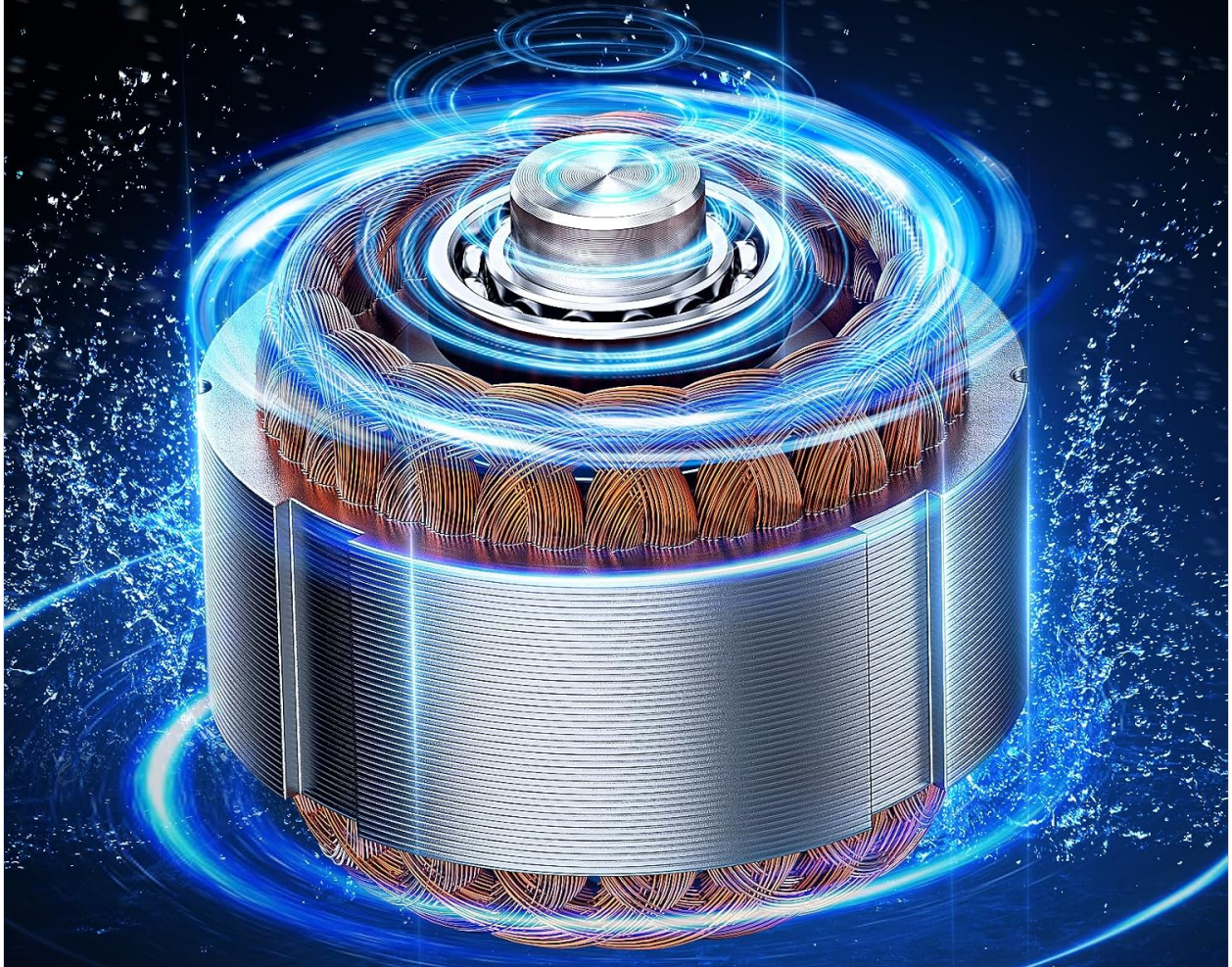
# 300W Pure Copper Motor

**110** L/M

**2800** RMP

 LOW NOISE

 IPX4



A detailed view of the 300W pure copper motor, highlighting its robust construction and efficiency.

## 3. PACKAGE CONTENTS

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Verify that all items are present in the package before beginning installation:

- CrestWave FLO300 300W Sink Pump Body
- User Manual (this document)
- 1x Elbow Assembly with Check Valve
- 3x Rubber Tube
- 3x Hose Clamp (32mm - 50mm)
- 1x Hose Clamp (20mm - 32mm)

# Product Size



This image displays the pump's dimensions and the included installation accessories, such as the elbow assembly with check valve, rubber tubes, and hose clamps.

## 4. INSTALLATION GUIDE

The CrestWave FLO300 pump is designed for easy DIY installation. Follow these steps carefully:

### 4.1 Pre-Installation Checks

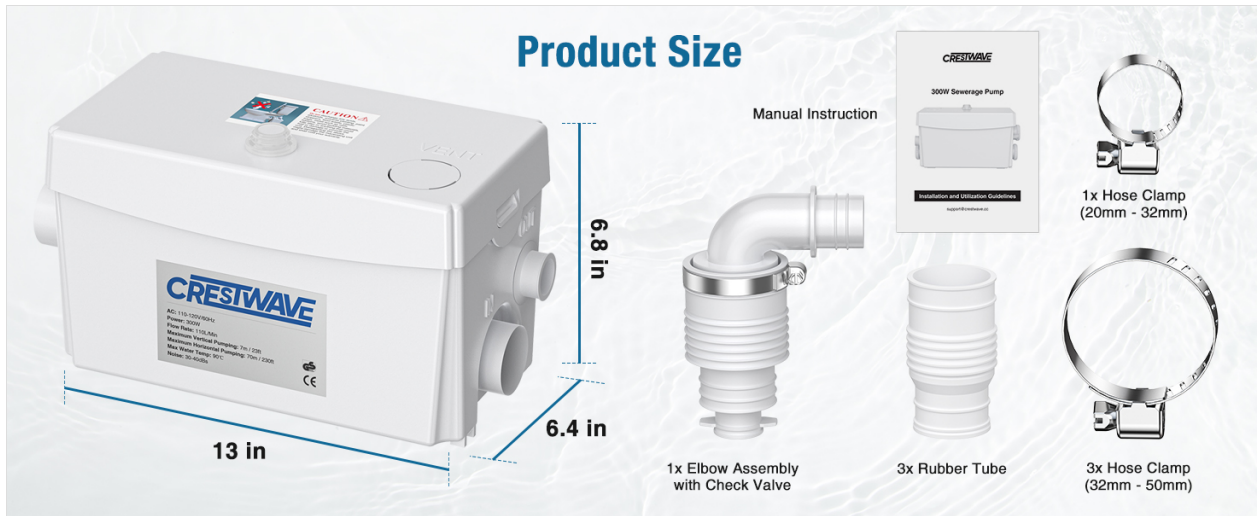
- Ensure the installation area is clean, dry, and has access to a grounded electrical outlet.
- Confirm that the pump will be used for greywater only.
- Verify that the discharge pipe system is clear and correctly sized.

### 4.2 Connecting Inlets and Outlet

1. Position the pump in a suitable location, ensuring it is level and stable. The compact size (33L x 16.3W x 17.3H cm) allows for placement in tight spaces.
2. Connect the greywater sources (sink, shower, bathtub, laundry) to the three available inlets using the provided rubber tubes and hose clamps. Ensure connections are secure and leak-free.
3. Attach the elbow assembly with the built-in check valve to the pump's outlet. This check valve prevents

backflow of water.

4. Connect the discharge pipe to the elbow assembly. Ensure the discharge pipe has a slight downward slope (minimum 3 degrees) towards the pump if connecting horizontally, to facilitate gravity flow into the pump.
5. The pump is suitable for various pipe sizes. Use appropriate adapters if necessary.



This image illustrates the compatibility of the pump with various pipe sizes (44mm, 32mm, 28mm) for easy installation.

### 4.3 Electrical Connection

- Plug the pump into a standard 115V/50Hz grounded electrical outlet.
- Avoid using extension cords if possible. If an extension cord is necessary, ensure it is rated for outdoor use and is properly grounded.



Diagram illustrating the pump's vertical (23 ft) and horizontal (230 ft) pumping capabilities, along with its IPX4 waterproof rating.

## 5. OPERATING INSTRUCTIONS

The CrestWave FLO300 pump operates automatically based on water levels.

### 5.1 Automatic Operation

- The pump features built-in water-level sensors that detect when water enters the unit.
- When the water level reaches a predetermined point, the pump will automatically activate to discharge the greywater.
- Once the water level drops below the sensor's threshold, the pump will automatically shut off.

### 5.2 Emergency Manual Button

In case of sensor malfunction or for manual testing, an emergency manual button is provided. Pressing this button will manually activate the pump to discharge water.

### 5.3 Noise Level

The pump is designed for ultra-quiet operation, producing only 30-40dB of noise, making it suitable for installation in noise-sensitive areas.



An image depicting the quiet operation of the pump, rated at 40dB, suitable for noise-sensitive environments.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your CrestWave FLO300 pump.

### 6.1 Routine Inspection

- Periodically check all connections for leaks.
- Inspect the power cord for any signs of damage.
- Ensure the pump is free from debris and obstructions.

### 6.2 Cleaning

- Disconnect power before cleaning.
- Clean the exterior of the pump with a damp cloth. Do not use harsh chemicals.
- As the pump is designed for greywater, internal cleaning should be minimal. If blockages occur, refer to

the troubleshooting section.

### 6.3 Preventing Clogs

To prevent clogs and ensure optimal performance, avoid introducing solids, grease, or fibrous materials into the greywater system connected to the pump.



This image highlights the pump's leakproof construction with 3mm reinforced PP walls and its ability to withstand hot water up to 90°C (194°F).

## 7. TROUBLESHOOTING

If you encounter issues with your CrestWave FLO300 pump, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Pump does not start	No power; Water level too low; Sensor malfunction	Check power connection and outlet; Ensure water level reaches sensor; Press emergency manual button; Contact support if issue persists.

Problem	Possible Cause	Solution
Low flow or no discharge	Inlet/outlet blockage; Check valve obstruction; Airlock	Inspect and clear any blockages in pipes or pump; Check check valve for debris; Ensure proper venting.
Unusual noise during operation	Debris in pump; Loose connections; Pump running dry	Disconnect power and inspect for debris; Tighten all connections; Ensure adequate water supply.
GFI (Ground Fault Interrupter) trips	Electrical fault; Water ingress; Damaged wiring	Immediately disconnect power. Check for water leaks or visible wiring damage. Do not operate if wiring is compromised. Contact a qualified electrician or customer support.
Pump runs continuously	Sensor malfunction; Continuous water inflow; Check valve failure	Check for constant water source; Inspect check valve for proper function; Contact support if sensor is faulty.

## 8. SPECIFICATIONS

Specification	Detail
Brand	CRESTWAVE
Model Number	FLO300
Power	300 Watts
Voltage	115 Volts
Frequency	50Hz
Maximum Flow Rate	110 Liters Per Minute
Maximum Vertical Lift	23 Feet (7 meters)
Maximum Horizontal Lift	230 Feet (70 meters)
Material	Polypropylene (PP)
Product Dimensions (L x W x H)	33L x 16.3W x 17.3H Centimetres (13 x 6.4 x 6.8 inches)
Water Temperature Tolerance	Up to 90°C (194°F)
Waterproofing	IPX4
Certifications	GS CE Certified

## 9. WARRANTY AND SUPPORT

CrestWave is committed to providing high-quality products and excellent customer service.

## 9.1 Warranty

This CrestWave FLO300 Sink Pump is backed by a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and material flaws under normal use. It does not cover damage caused by improper installation, misuse, neglect, or unauthorized modifications.

## 9.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact CrestWave customer support. Our team is available **24/7** to assist you.

Please refer to the contact information provided on the product packaging or the official CrestWave website for the most up-to-date support details.