Flojet 04405143A

Flojet Quad DC Water System Pump User Manual

Model: 04405143A

Introduction

The Flojet Quad DC Water System Pump with Bypass is designed to provide reliable and consistent water pressure for various applications, including marine, RV, and off-grid systems. This 12-volt pump features a 3.3 GPM flow rate and includes an integrated bypass, which helps to reduce cycling and provide smoother flow, extending the life of the pump and system components. It is self-priming up to 2.4 meters (8 feet) and is built with durable polypropylene materials for long-lasting performance.

Safety Information

Please read and understand all safety instructions before installing or operating this pump. Failure to do so may result in injury or damage to the product.

- Always disconnect power before performing any installation, maintenance, or troubleshooting.
- Ensure proper ventilation around the pump to prevent overheating.
- Do not pump flammable liquids or use in explosive atmospheres.
- Protect electrical connections from water and moisture. Use appropriate marine-grade wiring and connectors if used in a marine environment.
- Wear appropriate personal protective equipment (PPE) during installation and maintenance.
- This pump is designed for intermittent duty. Avoid continuous operation for extended periods without proper cooling.

Package Contents

Verify that all items are present in the package:

- Flojet Quad DC Water System Pump (Model: 04405143A)
- Two (2) Quick-Connect Fittings (as shown in product image)
- Instruction Manual (this document)

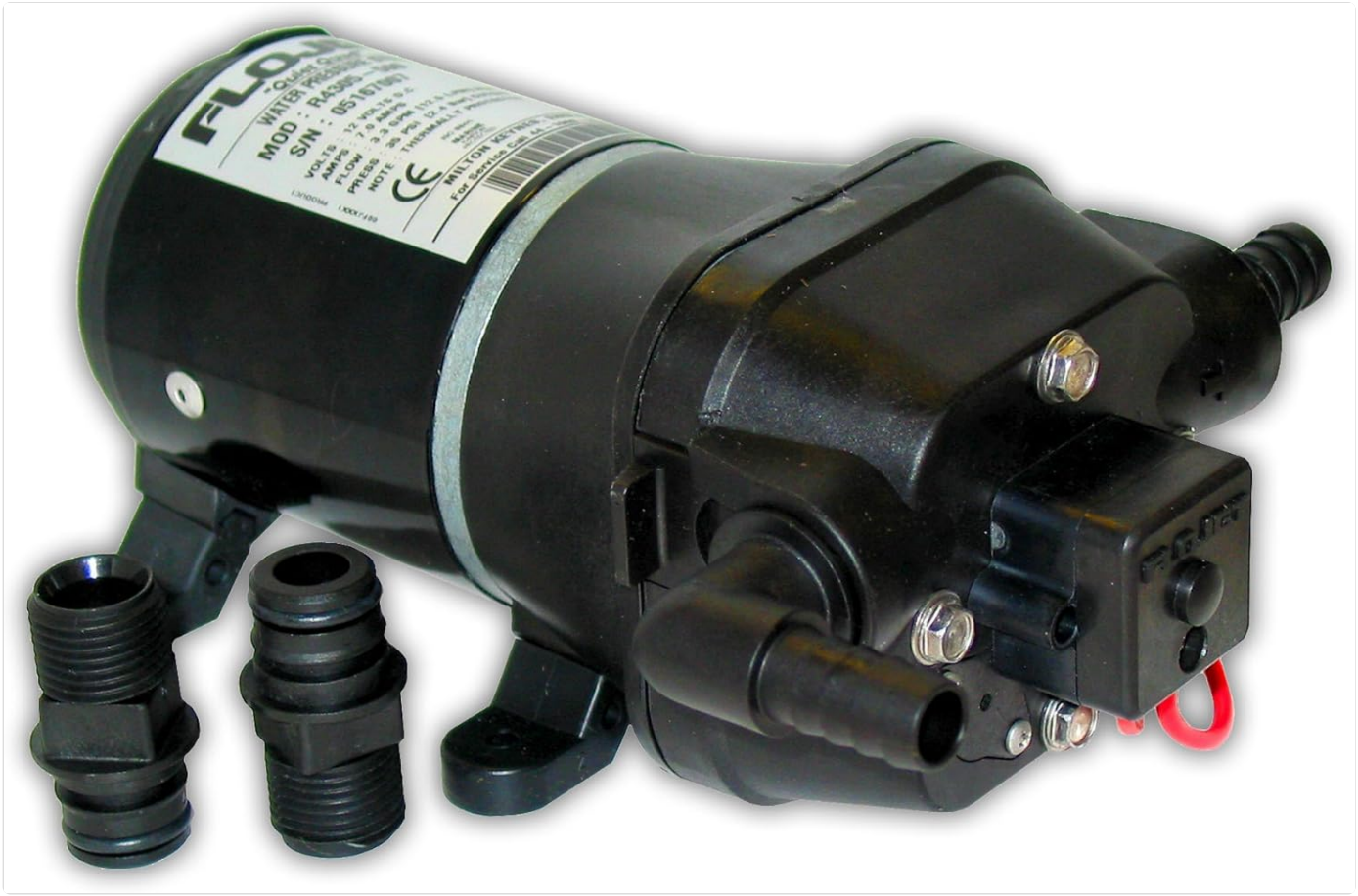


Image: The Flojet Quad DC Water System Pump, black in color, shown with two quick-connect fittings. The pump features a cylindrical motor housing and a pump head with inlet and outlet ports. The label on the motor indicates "FLOJET WATER PUMP MOD: R4305 S/N: 05167007 VOLTS: 12 VOLTS DC AMPS: 7.0 AMPS FLOW: 3.3 GPM PRESS: 25 PSI".

Setup

Mounting

Mount the pump in a dry, accessible location, protected from direct sunlight and freezing temperatures. The pump can be mounted in any position, but it is recommended to mount it with the pump head lower than the water tank to aid in priming. Use appropriate fasteners to secure the pump through its mounting feet.

Plumbing Connections

1. Identify the inlet and outlet ports on the pump head. The inlet is typically marked with an arrow pointing towards the pump, and the outlet with an arrow pointing away.
2. Connect the quick-connect fittings to the pump ports. Ensure a secure, leak-free connection.
3. Connect the inlet side of the pump to your water supply tank using appropriate flexible hose or tubing. Use a strainer/filter on the inlet line to prevent debris from entering the pump.
4. Connect the outlet side of the pump to your water distribution system (e.g., faucets, shower).
5. Ensure all plumbing connections are tight to prevent air leaks, which can affect pump performance and priming.

Electrical Connections

This pump operates on 12 Volts DC. Ensure your power source matches this requirement.

1. Connect the positive (+) wire from your 12V DC power source to the positive terminal of the pump.
2. Connect the negative (-) wire from your 12V DC power source to the negative terminal of the pump.
3. It is highly recommended to install an appropriately sized fuse (e.g., 10-amp) in the positive power line, close to the power

source, to protect the pump and wiring.

4. Ensure all electrical connections are clean, secure, and protected from corrosion.

Operating Instructions

1. Once plumbing and electrical connections are complete, ensure the water tank has sufficient water.
2. Open a faucet in your system to allow air to escape.
3. Apply power to the pump. The pump will begin to run and self-prime, drawing water from the tank.
4. Allow the pump to run until a steady stream of water flows from the open faucet, indicating that all air has been purged from the system.
5. Close the faucet. The pump should build pressure and then shut off automatically.
6. When a faucet is opened, the pressure will drop, and the pump will automatically restart to maintain pressure.

Pressure Switch Adjustment

The pump features an adjustable pressure switch. If the pump is cycling rapidly or not maintaining consistent pressure, the pressure switch may need adjustment. To adjust, locate the small cap on the end of the pump head (opposite the motor). Carefully remove this cap to expose an adjustment screw. Turning the screw clockwise will increase the cut-off pressure, and counter-clockwise will decrease it. Make small adjustments and test the pump's operation after each adjustment until desired performance is achieved. Replace the cap securely after adjustment.

Maintenance

- **Regular Inspection:** Periodically check all plumbing and electrical connections for leaks, corrosion, or loose fittings.
- **Inlet Strainer:** If an inlet strainer is used, clean it regularly to prevent debris from restricting flow and damaging the pump.
- **Winterization:** In freezing climates, the pump must be drained or winterized with non-toxic RV antifreeze to prevent damage from freezing water. Disconnect inlet and outlet lines and allow water to drain completely, or pump antifreeze through the system.
- **Storage:** If storing the pump for an extended period, ensure it is clean, dry, and stored in a non-freezing environment.

Troubleshooting

Problem	Possible Cause	Solution
Pump does not run.	No power; Blown fuse; Loose wiring; Motor fault.	Check power supply; Replace fuse; Secure connections; Contact support if motor is faulty.
Pump runs but no water flows.	No water in tank; Air leak on inlet side; Clogged inlet strainer; Pump not primed.	Fill tank; Check inlet connections for leaks; Clean strainer; Ensure pump is primed (open faucet).
Low flow or pressure.	Clogged strainer; Kinked hose; Low voltage; Worn pump head.	Clean strainer; Straighten hose; Check voltage; Contact support for worn parts.
Pump cycles on and off rapidly.	Air in system; Pressure switch needs adjustment; Small leak in system.	Purge air by opening faucets; Adjust pressure switch (see Operating Instructions); Check for leaks in plumbing.
Excessive noise.	Vibration; Air in system; Debris in pump.	Ensure pump is securely mounted; Purge air; Inspect for debris (disconnect power first).

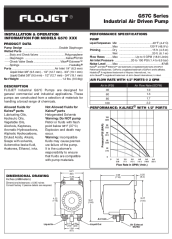
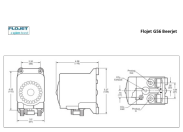
Specifications

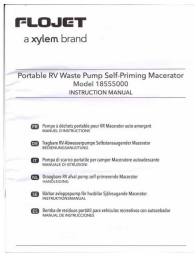
Model Number	04405143A
Voltage	12 Volts DC
Flow Rate	3.3 Gallons Per Minute (GPM)
Pressure (Cut-off)	Approximately 25 PSI (as per product label)
Current Draw	7.0 Amps (as per product label)
Material	Polypropylene (PP)
Dimensions (L x W x H)	20.32 x 12.7 x 7.62 cm (8 x 5 x 3 inches approx.)
Item Weight	1.77 kg (3.9 lbs)
Power Source	DC
Self-Priming	Up to 2.4 meters (8 feet)

Warranty and Support

This Flojet pump comes with a **1 Year Warranty** from the date of purchase, covering defects in materials and workmanship. For warranty claims or technical support, please contact Flojet customer service or the authorized dealer from whom you purchased the product. Please have your model number (04405143A) and proof of purchase ready when contacting support.
For further assistance, you may visit the official Flojet website or consult their online resources.

Related Documents

	FLOJET G57C Series Industrial Air Driven Pump: Installation, Operation & Specifications This document provides comprehensive installation, operation, and performance details for the FLOJET G57C Series Industrial Air Driven Pump. It covers product data, specifications, allowed/not allowed fluids, mounting, plumbing, operation, troubleshooting, parts, warranty, and return procedures.
	Flojet G56 Beerjet Pump Technical Specifications and Diagram Detailed technical specifications and dimensional diagram for the Flojet G56 Beerjet pump, a product from Flojet, a xylem brand.

	[Flojet BevJet Compact Beverage Dispense Pump Installation and Operation Manual] Comprehensive guide for installing and operating the Flojet BevJet Compact beverage dispense pump, including specifications, features, troubleshooting, and warranty information.
	[FLOJET 18555000 Portable RV Waste Pump Self-Priming Macerator: Instruction Manual] Instruction manual for the FLOJET 18555000 Portable RV Waste Pump Self-Priming Macerator. Details features, specifications, application, wiring, operation, disassembly, assembly, and parts for RV waste management.

Documents - Flojet – 04405143A

[Defender Marine Outfitter Inflatable Boats & Accessories Catalog]
Explore the comprehensive Defender Marine Outfitter catalog featuring a wide selection of inflatable boats from leading brands like Zodiac, Achilles, AB Inflatables, and Mercury. Discover essential marine accessories, parts, and maintenance products with detailed specifications and pricing for boating enthusiasts.
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