

## Flojet 04300143A

# Flojet 12 Volt Self-Priming Water Pump

Model: 04300143A

Brand: Flojet

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Flojet 12 Volt Self-Priming Water Pump, Model 04300143A. This pump is designed for various applications including boats and RVs, delivering up to 40 working PSI. It is suitable for liquids up to 130°F and features an automatic pressure switch for efficient operation. Its compact design and plug-in port fittings facilitate easy installation.

### Key Features:

- Can run dry without damage.
- Four-piston design for higher flow rates.
- Chemical-resistant polypropylene pump head for long life.
- Quick-connect plug-in ports for easy installation.
- Self-priming up to 8 feet above the level of liquid.

## 2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating the pump. Failure to follow these instructions could result in serious injury or property damage.

- **Electrical Safety:** Ensure the power source is disconnected before performing any installation or maintenance. Connect the pump only to a 12 Volt DC power supply. Incorrect voltage can damage the pump and pose a safety hazard.
- **Water Temperature:** Do not use this pump for liquids exceeding 130°F (54°C).
- **Chemical Compatibility:** The pump head is made of chemical-resistant polypropylene. However, always verify compatibility with the specific liquid being pumped to prevent damage or hazardous reactions.
- **Mounting:** Securely mount the pump to a stable surface to prevent vibration and movement during operation.
- **Ventilation:** Ensure adequate ventilation around the pump to prevent overheating.
- **Children and Pets:** Keep the pump and its connections out of reach of children and pets.

## 3. PACKAGE CONTENTS

Please check the package contents to ensure all items are present:

- Flojet 12 Volt Self-Priming Water Pump (Model 04300143A)
- Instruction Manual
- Quick-connect port fittings (quantity may vary)

## 4. SETUP AND INSTALLATION

Follow these steps for proper installation of your Flojet water pump:

1. **Mounting:** Select a dry, well-ventilated location for mounting the pump. The pump can be mounted in any position. Secure the pump using appropriate fasteners through the mounting feet. Ensure the mounting surface is stable and can support the pump's weight and vibrations during operation.
2. **Plumbing Connections:**



An image showing the Flojet 12 Volt Self-Priming Water Pump, a compact black unit with visible inlet and outlet ports and a label on the motor housing.

Connect the inlet and outlet hoses to the pump's 3/4-inch ports using the provided quick-connect fittings. Ensure all connections are tight to prevent leaks. It is recommended to use flexible hoses to minimize vibration and noise. The pump is self-priming up to 8 feet, but for optimal performance, position the pump as close to the water source as possible.

3. **Electrical Connections:** Connect the pump to a 12 Volt DC power source. Ensure the wiring is correctly polarized (positive to positive, negative to negative). It is recommended to install an inline fuse (not included) appropriate for the pump's current draw to protect the electrical circuit. Consult the specifications section for current draw details.
4. **System Priming:** Once all connections are secure, open all faucets or outlets in the system to allow air to escape. Turn on the pump. The pump will self-prime, and water should begin to flow steadily. Once water flows consistently, close the faucets. The pump's automatic pressure switch will then shut off the pump.

## 5. OPERATING INSTRUCTIONS

The Flojet 12 Volt Self-Priming Water Pump is designed for automatic operation:

- **Automatic Operation:** The pump is equipped with an automatic pressure switch. When a faucet or outlet is opened, the system pressure drops, and the pump automatically turns on to supply water. When the faucet is closed, the pressure builds up, and the pump automatically turns off.
- **Running Dry:** This pump is designed to run dry without damage. However, prolonged dry running is not recommended and can lead to premature wear. Ensure a consistent water supply to the pump.
- **Flow Rate:** The pump delivers up to 294 GPH (Gallons Per Hour) and maintains pressure up to 40 PSI. Actual flow and pressure may vary depending on system resistance and voltage.

## 6. MAINTENANCE

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

- **Periodic Inspection:** Regularly inspect all connections for leaks, especially at the inlet and outlet ports. Check electrical connections for corrosion or loose wiring.
- **Filter Cleaning:** If an inlet strainer is used (recommended, but not included), periodically clean it to prevent debris from entering the pump and reducing flow.
- **Winterization:** In freezing temperatures, the pump must be drained to prevent damage from ice expansion. Disconnect the inlet and outlet hoses and allow all water to drain from the pump head. Running the pump briefly (for a few seconds) after draining can help expel any remaining water.
- **Storage:** If storing the pump for an extended period, ensure it is clean and dry. Store in a cool, dry place.

## 7. TROUBLESHOOTING

Refer to the table below for common issues and their solutions:

Problem	Possible Cause	Solution
Pump does not turn on	No power to pump; Blown fuse; Loose wiring; Faulty pressure switch.	Check power supply and connections; Replace fuse; Secure wiring; Contact support if switch is faulty.
Pump runs but no water flows	Air in system; Inlet clogged; Suction line leak; Pump not primed.	Open faucets to purge air; Clean inlet strainer; Check all suction line connections for leaks; Ensure water source is available.
Low flow or pressure	Clogged inlet/outlet; Kinked hose; Low voltage; Worn pump head.	Clean connections; Straighten hoses; Check voltage at pump; Contact support for worn parts.
Pump cycles on and off rapidly	Small leak in system; Pressure switch setting too low; Accumulator tank (if used) needs air.	Check for leaks in plumbing; Adjust pressure switch (if adjustable); Check accumulator tank pressure.

## 8. SPECIFICATIONS

Brand	Flojet
Model Number	04300143A
Voltage	12 Volts DC



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## Flojet Pump

Grâce à notre réseau de distribution mondial, nous fournissons aux entreprises une large gamme de produits et de pièces de rechange de **Flojet Pump**. Vous trouverez ci-dessous une liste des produits **Flojet Pump**. Si le produit que vous souhaitez ne figure pas dans la liste, veuillez nous contacter à un moment où nous pourrions le trouver. Pour obtenir des renseignements sur les parts et les pièces de rechange, veuillez nous contacter à un moment où nous pourrions le trouver.

Pour savoir que votre société travaille directement avec de nombreux fabricants, vous pouvez obtenir rapidement les marchandises au prix le plus bas. Nous ne vendons que des produits neufs et originaux.

### Flojet Pump produits

Produit	Description
24000-001	Kit d'entretien de pompe
24000-002	Kit de maintenance pour Flojet 4100
24000-003	Kit de pièces de rechange pour pompes de la série G57
21000-001	Quellet
21000-002	Pompe à membrane à vitesse variable VFLO 12 V CC
21000-003	Water Revolver System
21000-004	Pompe à membrane
21000-005	Système de distribution d'eau embouteille
21000-006	Système de distribution d'eau embouteille PLUS
21000-007	Pompe
21000-008	Pompe à membrane à commande pneumatique
21000-009	Distributeur d'eau embouteille FLOJET
21000-010	Pompe à bossons et à bête à gaz
21000-011	Pompe à bossons et à bête à gaz
21000-012	Pompe à bossons et à bête à gaz
21000-013	Sac à eau Flojet
21000-014	Pompe à bossons et à bête à gaz
21000-015	Pompe à bossons et à bête à gaz
21000-016	Distributeur d'eau en bouteille Flojet
21000-017	Pompe
21000-018	Pompe à membrane à commande électronique
21000-019	Pompe
21000-020	Pompe à membrane
21000-021	déchargeur pump
21000-022	PUMP
21000-023	Pompe à membrane
21000-024	Pompe pneumatique à double membrane
21000-025	Pompe pneumatique à double membrane
21000-026	Pompe pneumatique à double membrane
21000-027	Pompe à bête à gaz

Page Pump

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[pdf] Flojet Pump FABRIMAT FRANCE fabrimat sarl fr 04100 143 Pompe à membrane 20403 040 12V diaphragme AD4 90 service kit for R4405 343 Kit d entretien de pompe 21000739A Tube d document ||| Fabrimat 2 Rue Charles Cros, Saint-Leu-La-Fort 95320, France / VAT ID: FR89878958768 sales fabrimat. ... -050 G57-320GD G57520GA G581022 G80E022A R3426148A FJ-02091-025 FJ-20407-034 FJ-D31X015F I301050110 **04300143A** 04300-545A JE18912-3040 JE18911-7030 JE02090118 G55G012A 04325343 4.5GPM 17.0LPM SN:19K26... lang:fr score:24 filesize: 296 K page\_count: 7 document date: 2025-08-05

### QUAD PUMPS

#### 4000 SERIES PUMPS

Quad developed the quad pumps to deliver higher flows up to 5.6 GPM using a four-piston design with excellent self-priming capability.

**SPECIAL FEATURES**

- Built-in pressure switch automatically starts and stops pump instantaneously when discharge valve opens and closes.
- Compact design and plug-in port fittings make installation easy.
- Can run dry without damage and handle liquids up to 100° F (38° C).
- Re-seals automatically after being pumped.
- Self-priming design allows pump to start when reservoir is empty.
- Excellent self-priming capability. Pump may be flooded above the liquid level.
- Powerful 4-piston design makes pump with low run-in time and long life.

**TECHNICAL SPECIFICATIONS**

Flow: 0.5 to 5.6 GPM (19 to 211 LPM)

Pressure: 0 to 100 PSI (0 to 6.9 bar)

Temperature: 0 to 100° F (38 to 38° C)

Material: Cast Iron, Stainless Steel, Aluminum

Power: 1/2 HP (0.37 kW)

Weight: 1.5 lbs (0.68 kg)

Dimensions: 4.5" x 4.5" x 4.5" (114 x 114 x 114 mm)


Connections: 1/2" NPT, 1/4" NPT, 1/8" NPT

Options: 1/2" NPT, 1/4" NPT, 1/8" NPT

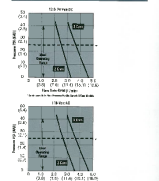
Accessories: 1/2" NPT, 1/4" NPT, 1/8" NPT

Warranty: 1 Year

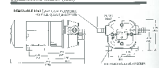
Price: \$199.95




**PUMP PERFORMANCE**



**Dimensions (inches)**



[pdf] Specifications Borchure Sales Brochure Flojet 12v 5 GPM Demand Pump FLO 04300143A SB vanislewater site supporting docs F ||| QUAD PUMPS 4000 SERIES PUMPS Flojet developed the quad pumps to deliver higher flows up to 5.6 GPM using a four-piston design with excellent self-priming capability. SPECIAL FEATURES Built-in pressure switch automatically starts and stops pump instantaneously when discharge valve opens and closes.... lang:en score:23 filesize: 88.53 K page\_count: 1 document date: 2012-06-19



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