

## Whale UF1215

# Whale Universal Electric Pressure Pump UF1215 User Manual

[Overview](#)

[Safety](#)

[Features](#)

[Setup](#)

[Operation](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Support](#)

## 1. PRODUCT OVERVIEW

The Whale Universal Electric Pressure Pump UF1215 is designed for reliable water transfer in various applications. This automatic freshwater pressure pump features 4 outlets and a flow rate of 3.2 gallons per minute (GPM). It is suitable for pumping both saltwater and freshwater, offering a smooth, constant flow and quiet operation. The pump is self-priming up to 3 meters (10 feet) and includes an inlet strainer for protection. Its universal mounting arrangement allows for flexible installation.



Figure 1: Whale Universal Electric Pressure Pump UF1215. This image shows the compact design of the pump unit.

## 2. SAFETY INFORMATION

---

Read all instructions carefully before installation and operation. Failure to follow these instructions may result in property damage, injury, or death.

- **Electrical Safety:** Ensure all electrical connections are made by a qualified professional and comply with local regulations. Disconnect power before servicing. The pump operates on 12 Volts (DC) and requires a 12 amp fuse.
- **Water Safety:** Do not operate the pump dry for extended periods, although it is designed to run dry without damage for short durations. Ensure proper ventilation.
- **Installation:** Mount the pump securely to prevent vibration and movement. Ensure hoses are properly connected and sealed to prevent leaks.
- **Environment:** Protect the pump from extreme temperatures and direct exposure to harsh weather conditions.

## 3. PRODUCT FEATURES

---

The Whale UF1215 pump incorporates several design elements for efficient and reliable performance:

- **Universal Mounting:** Designed for easy integration into existing systems.
- **Smooth, Constant Flow:** Provides consistent water pressure.
- **Quiet Operation:** Engineered to minimize noise during use.
- **Versatile Use:** Suitable for both saltwater and freshwater applications.
- **Dry Run Capability:** Can run dry without sustaining damage.
- **Internal Protection:** Wires and pressure switch are housed internally for extra safety.
- **Self-Priming:** Primes itself up to 3 meters (10 feet).
- **Inlet Strainer:** Included to protect the pump from debris.

## 4. SETUP AND INSTALLATION

---

Proper installation is crucial for the pump's performance and longevity. Follow these general guidelines:

1. **Mounting:** Select a dry, well-ventilated location. Securely mount the pump using appropriate fasteners to a stable surface. The universal mounting design allows for various orientations.
2. **Plumbing Connections:**
  - Connect the inlet hose (1/2" ports) from the water source to the pump's inlet. Ensure the included inlet strainer is installed.
  - Connect the outlet hose (1/2" ports) from the pump to your water distribution system.
  - Use appropriate hose clamps and sealants to ensure all connections are watertight and leak-free.
3. **Electrical Connections:**
  - Ensure the power source is 12 Volts DC.
  - Connect the pump's wiring to the power supply, observing correct polarity (positive to positive, negative to negative).
  - Install a 12 amp fuse in the positive line as close to the power source as possible to protect the

circuit.

- All electrical connections should be secure and protected from moisture.

4. **Priming:** The pump is self-priming. Once plumbing and electrical connections are complete, open a faucet in your system to allow air to escape. The pump will draw water and prime itself.

## 5. OPERATING INSTRUCTIONS

---

The Whale UF1215 is an automatic pressure pump designed for ease of use.

1. **Initial Start-up:** After installation, ensure all connections are secure. Open a faucet in your system. Apply power to the pump. The pump will run, draw water, and build pressure. Once pressure is built, the pump will shut off automatically.
2. **Normal Operation:** The pump will automatically turn on when a faucet is opened and the system pressure drops, and turn off when the faucet is closed and pressure is restored.
3. **Monitoring:** Periodically check for leaks at connections and listen for unusual noises during operation.
4. **Running Dry:** While the pump can run dry without damage, it is best practice to ensure a continuous water supply to prevent unnecessary wear.

## 6. MAINTENANCE

---

Regular maintenance ensures optimal performance and extends the life of your pump.

- **Inlet Strainer:** Regularly inspect and clean the inlet strainer to prevent debris from entering the pump and restricting flow.
- **Connections:** Periodically check all hose and electrical connections for tightness and signs of wear or corrosion. Tighten as necessary.
- **Winterization (if applicable):** If the pump is in an environment where freezing temperatures occur, drain all water from the pump and plumbing system to prevent freeze damage.
- **General Cleaning:** Keep the exterior of the pump clean and free from dirt and debris.

## 7. TROUBLESHOOTING

---

Refer to this section for common issues and their potential solutions.

| Problem                                  | Possible Cause   | Solution   |
|--|--|--|
| Pump does not run                        | No power; Blown fuse; Loose electrical connection; Faulty switch.                | Check power supply; Replace fuse (12 amp); Secure connections; Consult a technician if switch is faulty.           |
| Low flow or no pressure                  | Clogged inlet strainer; Air leak in suction line; Low water supply; Kinked hose. | Clean strainer; Check and seal suction line connections; Ensure adequate water supply; Straighten hose.            |
| Pump runs continuously or cycles rapidly | Leak in plumbing system; Air in system; Pressure switch malfunction.             | Inspect all plumbing for leaks and repair; Bleed air from system; Consult a technician for pressure switch issues. |

| Problem                      | Possible Cause                                 | Solution   |
|------------------------------|--|--|
| Excessive noise or vibration | Loose mounting; Air in system; Debris in pump. | Securely mount pump; Bleed air from system; Inspect for debris (disconnect power first). |

If troubleshooting steps do not resolve the issue, contact Whale customer support.

## 8. SPECIFICATIONS

|                            |                              |
|----------------------------|------------------------------|
| <b>Model Number</b>        | UF1215                       |
| <b>Brand</b>               | Whale                        |
| <b>Flow Rate</b>           | 3.2 Gallons Per Minute (GPM) |
| <b>Voltage</b>             | 12 Volts (DC)                |
| <b>Fuse Requirement</b>    | 12 Amp                       |
| <b>Ports</b>               | 1/2 inch                     |
| <b>Self-Priming Height</b> | Up to 3 meters (10 feet)     |
| <b>Material</b>            | Metal                        |
| <b>Item Weight</b>         | 6 Pounds                     |
| <b>Suitable For</b>        | Saltwater and Freshwater     |

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact Whale customer service.

Keep your purchase receipt and model number (UF1215) handy when contacting support.

Visit the official Whale website for the most up-to-date contact information and resources:

[www.whalepumps.com](http://www.whalepumps.com)