

[Manuals.plus](#) /

› [Poafamx](#) /

› Poafamx Automatic Water Booster Pump (Model PF-28M) Instruction Manual

Poafamx PF-28M

Poafamx Automatic Water Booster Pump

Model: PF-28M - Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Poafamx Automatic Water Booster Pump, Model PF-28M. Please read this manual thoroughly before using the product and keep it for future reference.

Product Overview



Figure 1.1: Poafamx Automatic Water Booster Pump (Model PF-28M).

The Poafamx Automatic Water Booster Pump is designed to enhance water pressure in household applications, such as showers, water heaters, and general tap water systems. It features automatic operation, safety mechanisms, and a compact design for convenient use.

Important Notice

This product is manufactured overseas. Before placing an order, please verify the product specifications and your contact information. Each unit undergoes a thorough check for functionality and appearance before shipment. In rare cases, damage may occur during transportation or customs clearance, preventing normal operation. Should you encounter any issues, please contact us immediately for a replacement or refund.

2. SAFETY PRECAUTIONS

To ensure safe operation and prevent damage to the pump or injury, please observe the following precautions:

- The pump must be securely fixed to a wall before use.
- Ensure the pump draws only clean water. Foreign objects can cause internal damage to the pump.
- This is not a submersible pump. It must be used on land, not submerged in water.
- The pump provides pressure boosting only and does not have a self-priming function. It cannot be used as a drainage pump.
- A prerequisite for operation is that the water flow in the supply pipe must be at least 2 liters per minute (2L/min).
- The power adapter provides a safe 24V output. Do not attempt to bypass the adapter or use an incompatible power source.

3. PRODUCT FEATURES

- **Two Fixing Methods:** The package includes both strong adhesive and screws, offering flexible installation options. The adhesive method helps minimize wall damage.
- **Safe 24V Operation:** Equipped with a power adapter that converts input voltage to a safe 24V (4A output), reducing the risk of electrical accidents.
- **Automatic Operation:** In automatic mode, the pump activates and deactivates in sync with the opening and closing of the faucet, optimizing energy and water usage.
- **Automatic Protection:** Real-time monitoring of water volume. The pump automatically stops operation if the inlet pipe detects insufficient water, preventing dry running and damage.
- **Convenient Installation:** Designed for tool-free installation, making it easy to set up. Its compact, space-saving design allows for wide application in areas like washbasins, showers, and kitchens.

Visual Guide to Features

1 固定方式



ねじなくても固定でき、壁へのダメージを効果的に 軽減できます

2 固定方式



ねじをご需要の場合は、
パッケージにねじ 2 つが付きます

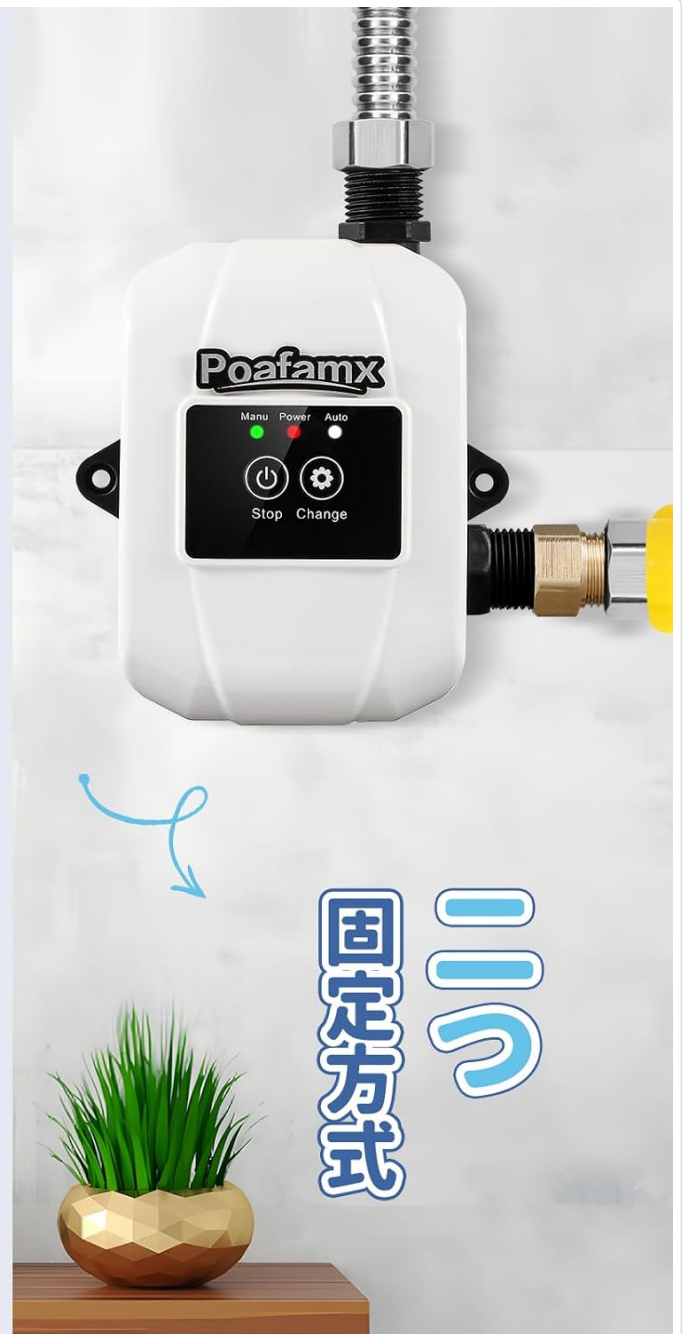


Figure 3.1: Two available methods for fixing the pump: adhesive for minimal wall damage or screws for a secure mount.



Figure 3.2: The pump's automatic switch function, activating with faucet use.

増圧効果がよい



Figure 3.3: Visual representation of the pressure boosting effect on faucet and shower water flow.

応用分野が広い

シャワーヘッド

湯沸かし器

洗面台

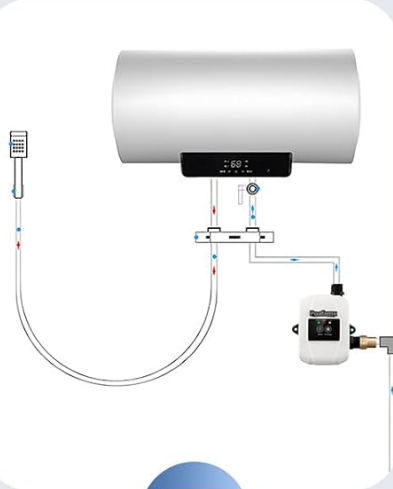
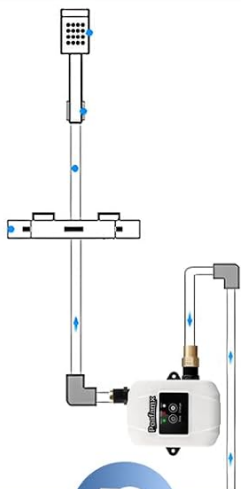


Figure 3.4: Examples of wide application areas for the booster pump, including showers, water heaters, and washbasins.

4. PRODUCT SPECIFICATIONS

Table 4.1: Technical Specifications of Poafamx PF-28M Pump

Parameter	Value
Model Type	PF-28M
Power	150W
Maximum Flow Rate	32 L/min
Dimensions (L x W x H)	12.5 x 9 x 14 cm

Parameter	Value
Weight	2 KG
Input Voltage	100-240V AC, 50/60Hz
Output Voltage	24V DC, 4A
Maximum Head Lift	20-28 m
Inner Pipe Diameter	1.35 cm
Outer Pipe Diameter	2 cm
Recommended Water Temperature	4-65 °C



Figure 4.1: Product dimensions and key specifications.

5. SETUP AND INSTALLATION

Follow these steps for proper installation of your booster pump:

- Choose a Location:** Select a dry, well-ventilated area near your water supply and the point where pressure boosting is needed. Ensure the pump is not exposed to direct sunlight or freezing temperatures.
- Mount the Pump:** Securely fix the pump to a solid wall using either the provided strong adhesive or screws.
 - Adhesive Method:** Clean the wall surface thoroughly. Apply the strong adhesive to the back of the pump and press firmly against the wall. Hold in place for the recommended time (refer to adhesive instructions) and allow sufficient curing time before connecting pipes.
 - Screw Method:** Mark the drilling points on the wall using the pump's mounting holes as a template. Drill holes, insert wall anchors (if necessary), and secure the pump with the provided screws.
- Connect Water Pipes:** Connect the inlet pipe to the pump's inlet and the outlet pipe to the pump's outlet. Ensure all connections are tight and leak-free. Use appropriate sealants if required. Remember, the pump requires a minimum

water flow of 2 L/min in the supply pipe to operate correctly.

4. **Connect Power:** Plug the power adapter into a standard electrical outlet (100-240V AC, 50/60Hz) and connect the 24V output to the pump.
5. **Initial Check:** Before turning on the pump, ensure all connections are secure and there are no visible leaks.

6. OPERATING INSTRUCTIONS

The Poafamx booster pump is designed for automatic operation:

1. **Power On:** Once installed and connected to power, the pump will enter standby mode.
2. **Automatic Mode:** The pump automatically detects water flow. When a faucet or shower connected to the boosted line is opened, and the water flow exceeds 2 L/min, the pump will automatically activate to boost pressure.
3. **Automatic Shut-off:** When the faucet or shower is closed, and water flow stops, the pump will automatically turn off after a short delay.
4. **Automatic Protection:** The pump continuously monitors the water supply. If the inlet water flow drops below the required minimum or stops completely (e.g., due to a dry tap), the pump will automatically shut down to prevent dry running and potential damage. It will resume operation once sufficient water flow is restored.

Ensure the water temperature remains within the recommended range of 4-65 °C for optimal performance and longevity.

7. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your pump:

- **Use Clean Water:** Always ensure the pump draws clean water. Sediment or foreign particles can clog the pump or cause internal wear. Consider installing a pre-filter if your water supply contains impurities.
- **Check for Leaks:** Periodically inspect all pipe connections for any signs of leaks. Tighten connections as needed.
- **Keep Area Dry:** Ensure the pump's installation area remains dry and free from excessive moisture to prevent electrical hazards and corrosion.
- **Winterization (if applicable):** If the pump is installed in an area prone to freezing, ensure it is drained or protected from freezing temperatures to prevent damage.

8. TROUBLESHOOTING

If you encounter issues with your pump, consider the following common problems and solutions:

- **Pump does not turn on:**
 - Check if the power adapter is securely plugged in and receiving power.

- Ensure the 24V output is correctly connected to the pump.
- Verify that the water flow in the supply pipe is at least 2 L/min. The pump will not activate if the flow is too low.
- Check for any blockages in the inlet pipe.

- **Pump runs continuously or cycles frequently:**

- Check for leaks in the plumbing system after the pump. Even small leaks can cause the pump to cycle.
- Ensure all faucets are fully closed.
- Verify that the automatic protection function is not being triggered by intermittent low water supply.

- **Reduced pressure or flow:**

- Check for blockages in the inlet or outlet pipes.
- Ensure the pump is receiving adequate water supply (minimum 2 L/min).
- Inspect the pump for any signs of internal damage (if safe to do so, or contact support).

If these steps do not resolve the issue, please contact customer support.

9. WARRANTY AND SUPPORT

Warranty Information

This Poafamx product is covered by a one-year warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

Customer Support

Should you encounter any problems or have questions regarding your pump, please do not hesitate to contact us. We are committed to providing prompt assistance and ensuring your satisfaction.

Contact Information: Please refer to your purchase documentation or the seller's contact details on the platform where you purchased the product.

Our customer support operates Monday through Friday, excluding public holidays.

© 2023 Poafamx. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question