

MOUDOAUER FRV100

MOUDOAUER Pool Cleaner Flow Regulator Valve Instruction Manual

Model: FRV100

1. INTRODUCTION

This manual provides instructions for the MOUDOAUER Flow Regulator Valve, designed to optimize the performance and extend the lifespan of your Zodiac MX6 and MX8 series automatic robot pool cleaners. Please read this manual thoroughly before installation and use to ensure proper operation and safety.

2. PRODUCT OVERVIEW

The MOUDOAUER Flow Regulator Valve is an essential component for maintaining the efficiency and longevity of your automatic pool cleaner. It intelligently manages water flow to prevent excessive wear and ensure consistent cleaning performance.

2.1 Key Features

- **Smart Flow Control:** Automatically adjusts excess water flow to maintain optimal cleaner performance, reducing stress on internal components and extending device lifespan.
- **Enhanced Cleaning Efficiency:** Improves the pool cleaner's ability to remove debris, contributing to clearer pool water.
- **Plug-and-Play Installation:** Features a simple snap-on design for quick and hassle-free attachment to your pool cleaner.
- **Energy-Efficient Design:** Optimized for pool systems, contributing to reduced energy consumption while enhancing cleaning.

2.2 Components and Compatibility

The package includes **1 x Flow Regulator Valve Kit**

This valve is compatible with the following automatic robot pool cleaner models:

- Zodiac MX6
- Zodiac MX6 Elite

- Zodiac MX8
- Zodiac MX8 Elite Series



Figure 1: MOUDAUER Flow Regulator Valve. This image shows the complete blue flow regulator valve with a small yellow accessory.

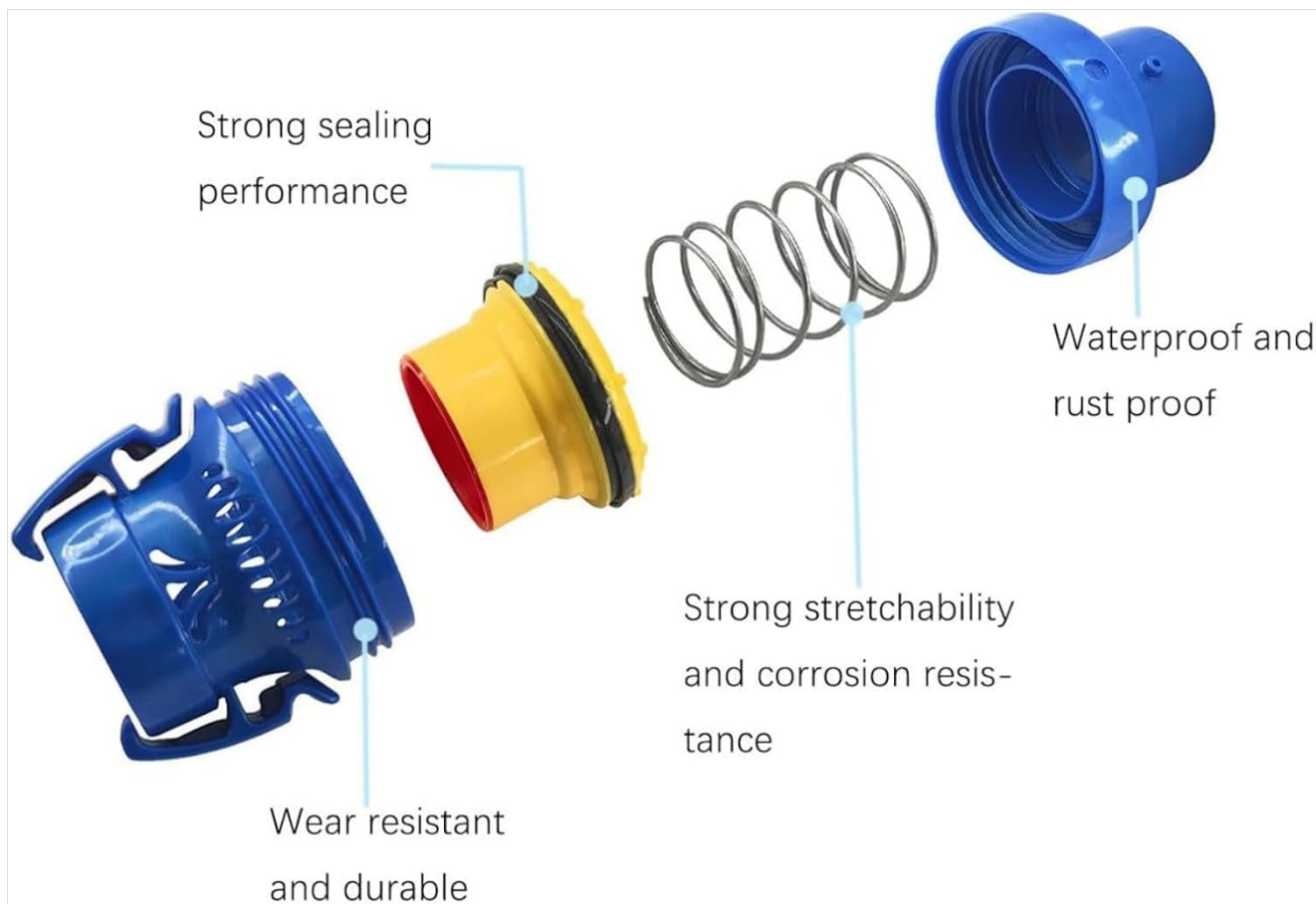


Figure 2: Exploded view of the valve components. This image illustrates the internal parts of the valve, including the blue outer casing, yellow inner components, and a spring, highlighting features like strong sealing, wear resistance, and corrosion resistance.

EASY TO INSTALL

1. Connect the interface of the cleaning machine at one end, just press gently.
2. Align the hose interface on the other end, rotate fixing after aligning the buckle.

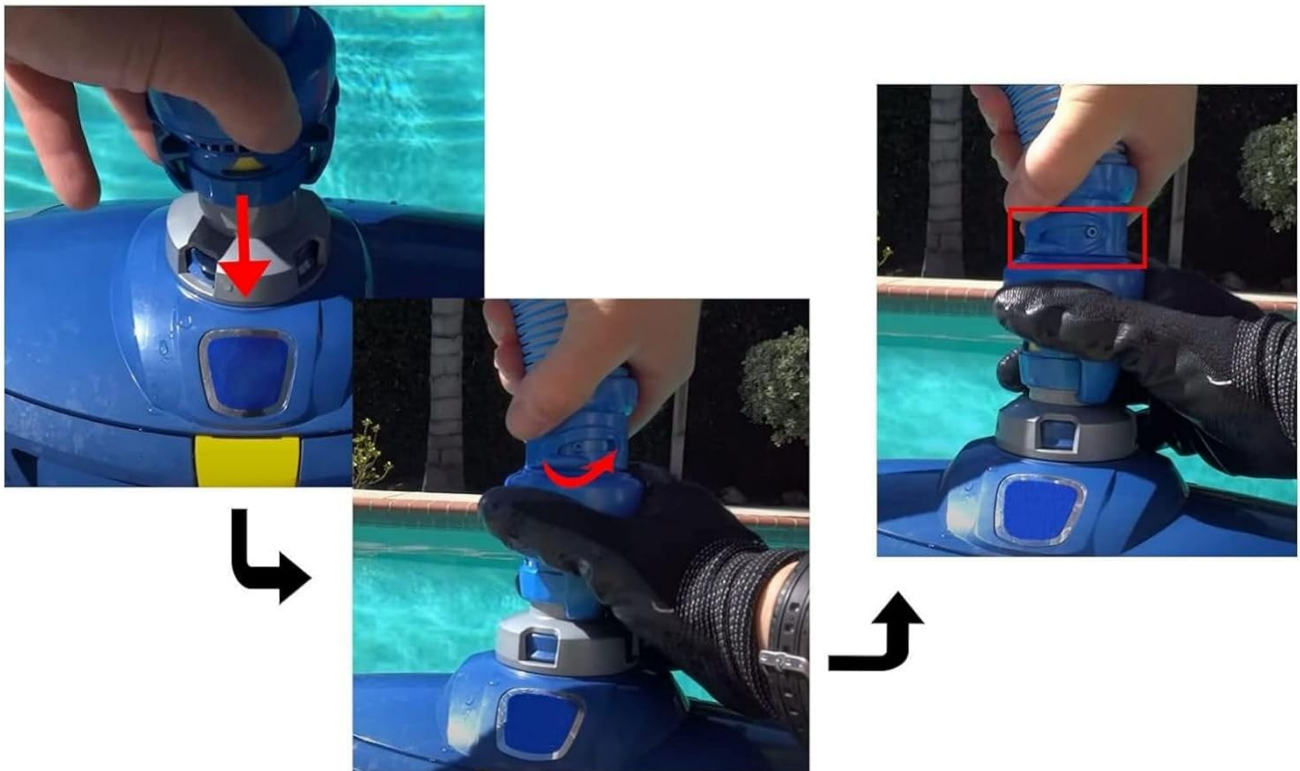


Figure 3: Internal view of the Flow Regulator Valve. A hand holds the blue valve, showing the multi-colored internal rings and spring mechanism.

3. SETUP AND INSTALLATION

The MOUDOAUER Flow Regulator Valve is designed for easy, tool-free installation. Follow these steps to attach it to your pool cleaner:

1. **Connect to Cleaner:** Connect the valve's interface to the cleaning machine's inlet. Gently press to secure.
2. **Attach Hose:** Align the pool hose interface with the other end of the valve. Rotate to fix it in place after ensuring the buckle is aligned.



Figure 4: Step-by-step installation guide. This image shows three sequential pictures demonstrating how to connect the valve to the pool cleaner and then attach the hose, with arrows indicating the direction of connection and rotation.

Note: To ensure optimal performance and safety, professional installation is recommended. Users may also refer to online installation tutorials for self-installation.

4. OPERATING PRINCIPLES

The Flow Regulator Valve does not adjust the speed of the cleaner. Instead, it functions by bypassing excess water when the flow through the system exceeds the recommended limit for your pool cleaner. This ensures that the cleaner operates at its optimal flow rate, preventing damage from over-pressurization.

- **Normal Flow:** When the water flow is correct for the cleaner, only the yellow indicator area will be visible in the bypass window.
- **Excessive Flow:** If the water flow exceeds the upper limit, a red line will become visible at the bottom of the yellow bypass indicator, signaling that excess water is being bypassed.

Working Principle

- The 'Flow Regulator' is not used to adjust the speed to the cleaner, it simply bypasses excess water when the flow through the system exceeds the recommended limit
- When the flow is correct for the cleaner, the yellow area will be all that shows in window of the bypass, when the flow exceeds the upper limit a red line will show at the bottom of the yellow bypass



Figure 5: Illustration of the valve's working principle. This image displays two states: 'Normal Flow' where only the yellow indicator is visible, and 'Excessive Flow' where a red line appears, indicating water bypass.

5. MAINTENANCE

To ensure the continued optimal performance and longevity of your MOUDOAUER Flow Regulator Valve, periodic inspection and cleaning are recommended.

- **Regular Inspection:** Periodically check the valve for any signs of wear, cracks, or damage.
- **Clean Debris:** Ensure that no debris or foreign objects are obstructing the flow path or the bypass mechanism. Clean gently with water if necessary.
- **Storage:** If storing the pool cleaner for an extended period, remove the valve, clean it, and store it in a cool, dry place away from direct sunlight.

6. TROUBLESHOOTING

If you experience any issues with the MOUDOAUER Flow Regulator Valve or your pool cleaner's performance after installation, consider the following:

- **Review Installation:** Double-check that the valve is correctly installed and securely attached to both the cleaner and the hose, as described in Section 3.
- **Check for Obstructions:** Ensure there are no blockages within the valve or the cleaner's intake that might impede water flow.
- **Verify Flow:** Observe the bypass indicator (Figure 5) to confirm if the valve is regulating flow as expected.

If problems persist, please contact MOUDOAUER customer support for further assistance.

7. SPECIFICATIONS

Model	FRV100
Brand	MOUDOAUER
Material	Plastic
Color	Blue
Approximate Dimensions (Valve)	9 cm (3.54 in) Height x 4.7 cm (1.85 in) Width x 4 cm (1.61 in) Depth
Included Components	1 x Flow Regulator Valve Kit



Figure 6: Detailed dimensions of the Flow Regulator Valve. This image provides measurements for the valve and its small yellow accessory in both centimeters and inches.

8. SAFETY INFORMATION

Please observe the following safety guidelines:

- Always ensure the pool pump is turned off before installing, removing, or performing maintenance on the flow regulator valve or pool cleaner.
- Keep the product out of reach of children.
- Do not attempt to modify the valve. Use only as intended.

9. WARRANTY AND SUPPORT

MOUDOAUER is committed to providing quality products and customer satisfaction. For any questions, technical support, or warranty inquiries regarding your Flow Regulator Valve, please contact MOUDOAUER customer service through your purchase platform or the official brand website.

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