

Red Sea 40583

Red Sea Max Nano Circulation Pump (Part # 40589) Instruction Manual

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient installation, operation, and maintenance of your Red Sea Max Nano Circulation Pump. Please read this manual thoroughly before using the product and retain it for future reference.

2. PRODUCT OVERVIEW

The Red Sea Max Nano Circulation Pump is designed to provide consistent water flow for your aquarium, contributing to a healthy aquatic environment. It is a replacement part for the Red Sea Max Nano aquarium system.



Image of the Red Sea Max Nano Circulation Pump. The pump is black with a ribbed body and a hose barb connector at the top. A label on the side displays technical specifications including voltage, frequency, power, and flow rate.

Key features include a flexible structure for easy disassembly and cleaning.

3. SAFETY INSTRUCTIONS

- Always disconnect the pump from the power supply before performing any maintenance, installation, or cleaning.
- Ensure your hands are dry when handling the power plug.
- Do not operate the pump if the power cord or plug is damaged.
- This pump is designed for submersible use in aquariums only. Do not operate it dry.
- Keep out of reach of children.
- Ensure the pump is securely placed to prevent accidental movement.

4. SETUP

1. **Unpacking:** Carefully remove the pump from its packaging and inspect for any damage.
2. **Placement:** Position the pump in the designated area within your Red Sea Max Nano aquarium's filtration system. Ensure it is fully submerged in water.
3. **Connections:** Connect the appropriate tubing to the pump's outlet barb. Ensure all connections are secure to prevent leaks.
4. **Power Connection:** Once the pump is correctly positioned and connected, plug the power cord into a grounded electrical outlet.

5. OPERATING INSTRUCTIONS

After setup, the pump will begin operating once connected to power. The pump is designed for continuous operation. Monitor the water flow to ensure it is consistent and free from obstructions.

- Ensure the pump is always fully submerged during operation.
- Regularly check for any unusual noises or vibrations, which may indicate a need for maintenance.

6. MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your circulation pump.

1. **Disconnection:** Always unplug the pump from the power outlet before any maintenance.
2. **Disassembly:** The pump features a flexible structure for easy disassembly without tools. Carefully separate the pump components, including the impeller cover and impeller.
3. **Cleaning:** Rinse all components under clean water. Use a soft brush or cloth to remove any algae, debris, or mineral deposits from the impeller, impeller shaft, and pump housing. Pay close attention to the impeller's blades and the chamber it rotates within.
4. **Reassembly:** Once all parts are clean, reassemble the pump, ensuring the impeller is correctly seated and the cover is securely fastened.
5. **Frequency:** Perform cleaning every 2-4 weeks, or more frequently if you notice reduced flow or increased noise.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start	No power; Impeller jammed; Damaged motor	Check power connection; Clean impeller and housing; Contact support if motor is damaged.
Reduced water flow	Impeller or intake/outlet clogged; Air in pump	Clean pump components and tubing; Ensure pump is fully submerged and free of air bubbles.
Excessive noise or vibration	Impeller obstructed or worn; Pump not securely placed	Clean or replace impeller; Securely position the pump.

8. SPECIFICATIONS

- **Brand:** Red Sea
- **Model Number:** 40583 (also referred to as Part # 40589)
- **Voltage:** 110-120V

- **Frequency:** 60Hz
- **Power:** 16W
- **Maximum Flow Rate (Qmax):** 950 l/h
- **Maximum Head (H-max):** 1.55m
- **Item Weight:** Approximately 12 ounces (0.34 kg)
- **Product Dimensions (LxWxH):** 3.5 x 1.75 x 3.75 inches (8.9 x 4.4 x 9.5 cm)
- **Manufacturer:** Red Sea
- **Country of Origin:** Made in Italy by Sicce S.p.A


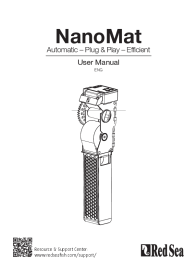


9. WARRANTY AND SUPPORT

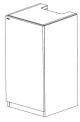




For warranty information, technical support, or replacement parts, please refer to the official Red Sea website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

Red Sea Official Website: www.redseafish.com

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