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› SEAFLO 51S01 Strainer User Manual

SEAFLO 51S01

SEAFLO 51S01 Strainer User Manual

Model: 51S01 | Brand: SEAFLO

1. PRODUCT OVERVIEW

The SEAFLO 51S01 Strainer is a high-quality inline filter designed to protect your water pump from debris and particles. It features a 1/2" NPSM inlet and outlet, making it compatible with various SEAFLO diaphragm pumps (33/34/42/44/51/54 series) and other compatible systems. Its marine-grade 50-mesh screen ensures efficient straining and high flow rates, contributing to the longevity and optimal performance of your pumping system.



Image: A pack of ten SEAFLO 51S01 strainers, showcasing their compact design and clear filter bowls.

2. KEY FEATURES

- Suitable for SEAFLO 33/34/42/44/51/54 series diaphragm pumps.
- Size: 1/2" NPSM Inlet & Outlet for broad compatibility.
- Mesh Size: 50, Marine Grade for effective filtration.
- Effortless assembly and disassembly with a twist-on design.
- Durable construction for reliable performance.

SEAFLO Water Pump Inline Strainer Filter - 51S01



51S01

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- SEAFLO strainer suitable for 33/34/42/44/51/54/55 series SEAFLO diaphragm pumps
- Size: 1/2" NPSM Inlet & Outlet
- Twists easily onto the pump head for effortless assembly and disassembly
- Mesh Size: 50, Marine Grade

Image: The SEAFLO 51S01 strainer highlighted as universally compatible with various pump brands.

3. PACKAGE CONTENTS

Each SEAFLO 51S01 Strainer package includes the following components:

- Strainer Body (black, with 1/2" NPSM inlet/outlet threads)
- Clear Durable Plastic Shell (filter bowl)
- 50 Mesh Strainer (stainless steel mesh with blue rim)
- O-Ring (for tight seal)

Package Includes



Image: Detailed breakdown of the strainer's components, including the mesh and O-ring.

4. INSTALLATION GUIDE

The SEAFLLO 51S01 Strainer is designed for straightforward installation. Follow these steps for proper setup:

1. **Preparation:** Ensure your water pump system is turned off and depressurized. Have appropriate tools ready if needed, though hand-tightening is often sufficient.
2. **Identify Connection Points:** Locate the 1/2" NPSM inlet and outlet ports on your water pump where the strainer will be connected. The strainer is typically installed on the suction side of the pump.
3. **Assemble Strainer (if disassembled):** If the clear bowl and mesh are separate from the main body, ensure the O-ring is properly seated in the groove of the clear bowl. Then, insert the 50-mesh strainer into the clear bowl and twist the clear bowl onto the main black body of the strainer until hand-tight.
4. **Connect to Pump:** Align the inlet thread of the strainer with the pump's inlet port. Twist the strainer onto the pump head. Hand-tighten only to ensure a secure, leak-free connection. Do not overtighten.
5. **Connect Outlet Hose:** Attach your water system's inlet hose to the outlet side of the strainer, ensuring a tight connection.
6. **Leak Check:** Once installed, slowly turn on your water pump system and check for any leaks around the connections. If leaks occur, re-tighten gently.



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Image: A close-up view of the assembled SEAFLO 51S01 strainer, ready for installation.

5. OPERATING INSTRUCTIONS

The SEAFLO 51S01 Strainer operates passively as part of your water pump system. Once installed, it continuously filters water flowing into your pump. No specific user interaction is required during normal operation.

Important Considerations:

- Ensure the strainer is always submerged in the water source if it's on the suction side of a submersible pump, or that the water line is full if it's on a non-submersible pump's suction line.
- Regularly inspect the clear filter bowl for accumulated debris. A visible buildup of particles indicates that cleaning is necessary to maintain optimal flow and pump protection.

6. MAINTENANCE

Regular cleaning of your SEAFLO 51S01 Strainer is crucial to ensure efficient operation and prolong the life of your water pump. The clear bowl allows for easy visual inspection of the mesh filter.

1. **Turn Off System:** Before any maintenance, ensure your water pump system is completely turned off and any pressure is relieved.
2. **Remove Filter Bowl:** Gently twist the clear plastic bowl counter-clockwise to detach it from the black strainer body.
3. **Remove Mesh Filter:** Carefully pull out the 50-mesh strainer from the clear bowl.
4. **Clean Components:** Rinse the mesh filter and the clear bowl thoroughly under clean running water. For stubborn debris, a soft brush can be used. Avoid abrasive cleaners or tools that could damage the mesh or plastic.
5. **Inspect O-Ring:** Check the O-ring for any signs of wear, cracks, or damage. Ensure it is clean and properly seated in its groove. A damaged O-ring can lead to leaks.
6. **Reassemble:** Place the cleaned mesh filter back into the clear bowl. Align the clear bowl with the black strainer body and twist clockwise until hand-tight.
7. **Test:** Turn the water pump system back on and check for any leaks.



Image: The SEAFLO 51S01 strainer disassembled, illustrating its easy-to-clean components.

7. TROUBLESHOOTING

If you encounter issues with your SEAFLO 51S01 Strainer, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Reduced Water Flow	Clogged mesh filter	Clean the mesh filter as described in the Maintenance section.
Water Leaks at Connections	Loose connections or damaged O-ring	Ensure all connections are hand-tight. Inspect and replace the O-ring if damaged.
Strainer Bowl Cracks	Freezing temperatures (if water is left inside) or physical impact	Replace the strainer. Ensure proper winterization if used in cold climates.

8. SPECIFICATIONS

Attribute	Detail
Model	51S01
Inlet/Outlet Size	1/2" NPSM
Mesh Size	50 Mesh
Material	Marine Grade
Item Weight	1.43 pounds (for 10-pack)
Package Dimensions	8.74 x 6.5 x 3.35 inches (for 10-pack)

9. APPLICATIONS

The SEAFLO 51S01 Strainer is versatile and can be used in a variety of applications where water filtration is needed to protect pumps and systems:

- **Marine:** Ideal for boat fresh water systems, protecting bilge pumps and other marine water pumps.
- **RV:** Essential for recreational vehicle water systems, ensuring clean water for sinks, showers, and toilets.
- **Agriculture:** Suitable for irrigation systems, protecting agricultural pumps from sediment and debris.
- **Lawn Care:** Can be integrated into lawn irrigation systems to prevent clogging of sprinklers and pumps.
- **Kitchen/Residential:** Useful in various residential water applications where pump protection is desired.

Key Features

Universally Compatible: WFCO, Shurflo, SEAFLO, and More!





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Image: Visual examples of the SEAFLO 51S01 strainer's diverse applications.

10. WARRANTY & SUPPORT

SEAFLO stands behind the quality of its products. The SEAFLO 51S01 Strainer comes with **a4-Year Warranty**. For product support, technical assistance, or warranty claims, please visit the official SEAFLO Store on Amazon or contact SEAFLO customer service directly.

Visit the [SEAFLO Store](#) for more information and products.

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