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› SHURFLO 158196 Slim Line Filtration System User Manual

SHURFLO 158196

SHURFLO 158196 Slim Line Filtration System User Manual

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your SHURFLO 158196 Slim Line Filtration System. Please read these instructions thoroughly before proceeding with installation or use to ensure safe and efficient performance.

The SHURFLO 158196 Slim Line Filtration System is designed to provide effective water filtration. It features a 10-inch housing and is equipped with 1/2-inch female ports for connection to your water system.



Figure 1: SHURFLO 158196 Slim Line Filtration System. This image displays the complete filtration unit, featuring a blue cylindrical housing and a black top manifold with threaded ports for water connections.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent injury and damage to the product:

- Always depressurize the water system before attempting any installation, maintenance, or filter replacement.
- Ensure all connections are secure and leak-free to prevent water damage.
- Do not exceed the maximum operating pressure specified for the system.

- Use appropriate tools and follow all local plumbing codes during installation.
- Keep the system away from direct sunlight or freezing temperatures.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1x SHURFLO 158196 Slim Line Filtration System (10" Housing with 1/2" Female Ports)
- Instruction Manual (this document)

Note: Filter cartridges are typically sold separately and are not included with the housing.

4. SPECIFICATIONS

Feature	Detail
Model Number	158196
Housing Size	10 inches
Port Size	1/2 inch Female NPT
Dimensions (L x W x H)	4.4 x 4.4 x 11.8 inches
Item Weight	1.77 pounds
Manufacturer	SHURFLO

5. SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your filtration system. If you are unsure about any step, consult a qualified plumber.

5.1 Pre-Installation Steps

1. **Choose Location:** Select a suitable location for the filter housing. It should be easily accessible for filter changes and protected from freezing temperatures and direct sunlight.
2. **Turn Off Water Supply:** Locate the main water shut-off valve and turn off the water supply to the area where the filter will be installed.
3. **Depressurize System:** Open a nearby faucet to relieve any remaining water pressure in the lines.
4. **Prepare Plumbing:** Cut into the existing water line at the chosen installation point. Ensure clean, straight cuts for proper fitting.

5.2 Installation Procedure

1. **Mount Housing:** Securely mount the filter housing to a sturdy surface using appropriate mounting hardware (not included). Ensure it is level and can support the weight of the housing when full of water.
2. **Install Filter Cartridge:** Unwrap the new filter cartridge (sold separately) and carefully insert it into the housing sump. Ensure it is seated correctly.

3. **Assemble Housing:** Thread the housing sump onto the filter head, turning clockwise until hand-tight. Do not overtighten. A filter wrench may be used for a snug fit, but avoid excessive force.
4. **Connect Plumbing:** Connect the incoming water line to the inlet port (typically marked 'IN' or indicated by an arrow) and the outgoing water line to the outlet port (typically marked 'OUT') using appropriate fittings and thread sealant (e.g., PTFE tape). The ports are 1/2-inch female NPT.
5. **Check for Leaks:** Slowly turn on the main water supply. Inspect all connections for leaks. If leaks are detected, turn off the water, depressurize, and re-tighten connections.
6. **Flush System:** Open a downstream faucet and allow water to run for several minutes to flush out any air or carbon fines from a new filter cartridge.

6. OPERATING INSTRUCTIONS

Once installed and flushed, the SHURFLO 158196 Slim Line Filtration System operates continuously as water flows through it. No specific user interaction is required during normal operation.

- Ensure the water supply remains on for continuous filtration.
- Monitor water flow and quality. A noticeable drop in flow or change in water quality may indicate that the filter cartridge needs replacement.

7. MAINTENANCE

Regular maintenance, primarily filter cartridge replacement, is essential for optimal performance.

7.1 Filter Cartridge Replacement

The frequency of filter replacement depends on water quality and usage. Generally, filter cartridges should be replaced every 3-6 months, or sooner if a significant drop in water pressure or quality is observed.

1. **Turn Off Water Supply:** Shut off the main water supply to the filter housing.
2. **Depressurize System:** Open a downstream faucet to relieve pressure.
3. **Open Housing:** Place a bucket underneath the housing to catch any spilled water. Use a filter wrench to slowly loosen the housing sump by turning it counter-clockwise.
4. **Remove Old Cartridge:** Once the sump is removed, carefully pull out the old filter cartridge and dispose of it properly.
5. **Clean Housing:** Clean the inside of the housing sump with warm, soapy water and a non-abrasive brush. Rinse thoroughly. Inspect the O-ring for any damage or wear; replace if necessary. Lubricate the O-ring with a food-grade silicone grease.
6. **Install New Cartridge:** Insert a new, compatible 10-inch filter cartridge into the housing sump, ensuring it seats correctly.
7. **Reassemble Housing:** Carefully thread the sump back onto the filter head, turning clockwise until hand-tight. Use a filter wrench for a snug fit, but do not overtighten.
8. **Restore Water Supply:** Slowly turn on the main water supply and check for leaks.
9. **Flush System:** Open a downstream faucet and run water for several minutes to flush out air and any loose media from the new filter.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your filtration system.

Problem	Possible Cause	Solution
Water Leakage	Loose connections Damaged O-ring Cracked housing	Tighten all plumbing connections. Inspect and replace O-ring if damaged; ensure it is properly seated and lubricated. If housing is cracked, replace the unit.
Low Water Flow/Pressure	Clogged filter cartridge Air in the system	Replace the filter cartridge. Flush the system by running water from a downstream faucet to remove trapped air.
Poor Water Quality (after filter change)	New filter not properly flushed Incorrect filter type	Run water for several minutes to flush the new filter. Ensure you are using the correct type and size of filter cartridge for your needs.

9. WARRANTY AND SUPPORT

For specific warranty information regarding your SHURFLO 158196 Slim Line Filtration System, please refer to the documentation provided at the time of purchase or visit the official SHURFLO website.

Warranty terms typically cover manufacturing defects and material flaws under normal use.

If you require technical assistance, have questions about installation, or need to report a product issue, please contact SHURFLO customer support directly. Contact information can usually be found on the manufacturer's website or product packaging.

SHURFLO Contact Information:

Please refer to the official SHURFLO website for the most current contact details.