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› Harmsco ST/155 SuperTuf Filter Cartridge Instruction Manual

Harmsco ST155

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1. INTRODUCTION

This instruction manual provides essential information for the proper use, installation, maintenance, and troubleshooting of the Harmsco ST/155 SuperTuf Filter Cartridge. Please read this manual thoroughly before handling or installing the product to ensure optimal performance and longevity.

The Harmsco ST/155 SuperTuf Filter Cartridge is designed to remove impurities and contaminants, contributing to cleaner and safer water in your pool or filtration system.

2. PRODUCT OVERVIEW



Image 1: Harmsco ST/155 SuperTuf Filter Cartridge. This image displays the cylindrical filter cartridge, characterized by its pleated filtration media and blue end caps.

The Harmsco ST/155 SuperTuf Filter Cartridge is a high-quality replacement filter designed for various water filtration applications, particularly in pool and spa systems. It features a durable polyester material construction and is certified by NSF, ensuring its effectiveness in removing impurities.

Key Features:

- Removes impurities and contaminants for cleaner, safer water.
- Constructed from durable Polyester material.
- NSF External Testing Certification.
- Designed for 155 Sq. Ft. filtration area.

3. SETUP AND INSTALLATION

Proper installation is crucial for the filter cartridge's performance. Always ensure the filtration system is turned off and depressurized before beginning installation.

Safety Precautions:

- Always turn off the pump and filtration system before opening the filter housing.
- Relieve any pressure in the system before proceeding.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- Consult your specific filter housing manual for detailed safety instructions.

Installation Steps:

1. **Prepare the System:** Turn off the pump and close any valves leading to and from the filter housing. Open the air relief valve on the filter to release pressure.
2. **Open Filter Housing:** Follow your filter housing manufacturer's instructions to open and remove the top of the filter housing.
3. **Remove Old Cartridge:** Carefully lift out the old filter cartridge. Dispose of it according to local regulations.
4. **Clean Housing:** Inspect the inside of the filter housing and clean any debris. Check the O-ring for cracks or wear; replace if necessary and lubricate with a silicone-based lubricant.
5. **Install New Cartridge:** Place the new Harmsco ST/155 SuperTuf Filter Cartridge into the housing, ensuring it seats properly on the bottom manifold.
6. **Secure Housing:** Replace the filter housing top, ensuring the O-ring is correctly seated. Tighten the clamp or lid according to the manufacturer's specifications.
7. **Restart System:** Open the air relief valve. Slowly turn on the pump, allowing the filter housing to fill with water. Once a steady stream of water emerges from the air relief valve, close it. Check for leaks.

4. OPERATING PRINCIPLES

The Harmsco ST/155 SuperTuf Filter Cartridge functions as a critical component within your existing water filtration system. Water flows from the outside of the pleated filter media to the inside, trapping suspended particles and impurities on the surface of the media. The clean water then exits the cartridge and returns to the system. The effectiveness of the filter is indicated by the pressure differential across the filter. As the filter collects debris, the pressure drop will increase, signaling that cleaning or replacement may be necessary.

5. MAINTENANCE

Regular maintenance of your filter cartridge is essential for maintaining water quality and system efficiency. While the ST/155 is a cartridge filter, its lifespan depends on water quality and usage.

Cleaning and Replacement:

- **Monitoring:** Monitor the pressure gauge on your filter system. An increase of 8-10 PSI above the clean operating pressure typically indicates that the filter needs attention.
- **Cleaning:** For optimal performance, it is recommended to replace the cartridge when it reaches the end of its service life or when cleaning no longer restores adequate flow. While some pleated cartridges can be rinsed, the SuperTuf is designed for effective filtration and replacement is often the most effective solution for maintaining peak performance.
- **Replacement Frequency:** The lifespan of the filter cartridge varies significantly based on water quality, usage, and environmental factors. It is advisable to inspect the cartridge regularly and replace it as needed, typically every 6-12 months for residential use, or more frequently in high-demand or high-particulate environments.

Storage:

Store new, unused filter cartridges in their original packaging in a cool, dry place away from direct sunlight and chemicals.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your filter cartridge and potential solutions.

Problem	Possible Cause	Solution
Reduced Water Flow / Low Pressure	Clogged filter cartridge; Air in the system; Pump issues.	Inspect and replace the filter cartridge; Bleed air from the system; Check pump operation.
Cloudy Water / Poor Filtration	Damaged or improperly seated cartridge; Cartridge at end of life; Chemical imbalance.	Ensure cartridge is seated correctly; Replace cartridge; Test and balance water chemistry.
Leaks from Filter Housing	Damaged or improperly seated O-ring; Loose clamp/lid.	Inspect and replace O-ring, lubricate; Tighten clamp/lid according to manufacturer's instructions.

7. SPECIFICATIONS

Attribute	Detail
Brand	Harmsco
Model Number	ST155
Material	Polyester
External Testing Certification	NSF
Product Benefits	Removes impurities and contaminants for cleaner, safer drinking water
UPC	682470329692
Unit Count	1.0 Count
Number of Items	1
Product Dimensions	7.75 x 7.75 x 29.06 inches
Item Weight	8.03 pounds
Manufacturer	Harmsco

8. WARRANTY AND SUPPORT

For specific warranty information regarding your Harmsco ST/155 SuperTuf Filter Cartridge, please refer to the documentation provided with your original filtration system or contact Harmsco directly. Harmsco stands behind the quality of its products.

If you require technical assistance, have questions about installation, or need to report an issue, please contact Harmsco customer support through their official website or the contact information provided with your purchase.

Please note: This manual provides general guidance. Always adhere to the specific instructions and safety warnings provided by the manufacturer of your complete filtration system.