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Rusco FS-1-1/2-100

Rusco/Vu-Flow FS-1-1/2-100 Spin-Down Polyester Replacement Filter Instruction Manual

Introduction

This document provides essential instructions for the proper installation, operation, and maintenance of the Rusco/Vu-Flow FS-1-1/2-100 Spin-Down Polyester Replacement Filter. Adhering to these guidelines will ensure optimal performance and longevity of your filtration system.

Product Overview

The Rusco/Vu-Flow FS-1-1/2-100 is a polyester replacement filter screen designed for use in Rusco and Vu-Flow spin-down filter systems. It features a 100 mesh (152 micron) filtration capability, effectively removing sediment from water. This filter is 8-1/8 inches long with a top diameter of 1-5/8 inches, specifically designed for 1.5-inch spin-down filter housings. Its robust polyester construction allows for cleaning and reuse, making it an efficient solution for various water filtration needs, including irrigation, drinking water, agriculture, and industrial applications.



Image: Rusco/Vu-Flow FS-1-1/2-100 Spin-Down Polyester Replacement Filter. This image displays the cylindrical polyester filter screen, highlighting its mesh material and structural design for sediment filtration.

Compatibility

This replacement filter screen is compatible with Rusco and Vu-Flow spin-down filter systems, specifically designed for 1.5-inch filter housings. It is also suitable for use in certain 3/4-inch, 1-inch, and 2-inch systems where the dimensions (8-1/8 inch length, 1-5/8 inch top diameter) match the existing filter screen requirements. Always verify the required filter screen dimensions for your specific spin-down filter housing before purchase.

Installation

1. **Safety First:** Before beginning installation, ensure the main water supply to the spin-down filter system is turned off. Relieve any pressure in the system by opening a nearby faucet.
2. **Drain System:** Open the flush valve at the bottom of the spin-down filter housing to drain any remaining water and

sediment.

3. **Remove Housing:** Carefully unscrew or unclamp the clear filter housing from the filter head. Be prepared for residual water.
4. **Remove Old Filter:** Extract the old filter screen from the housing. Inspect the housing and O-rings for any damage or debris. Clean if necessary.
5. **Insert New Filter:** Place the new Rusco/Vu-Flow FS-1-1/2-100 replacement filter screen into the clear housing, ensuring it seats properly.
6. **Reassemble Housing:** Carefully reattach the clear housing with the new filter screen to the filter head. Hand-tighten or secure clamps firmly, but do not overtighten. Ensure the O-ring is correctly seated to prevent leaks.
7. **Restore Water Supply:** Slowly turn on the main water supply. Check for any leaks around the filter housing.
8. **Flush System:** Open the flush valve briefly to allow any trapped air or fine sediment to escape. Close the flush valve once water runs clear.

For detailed visual guidance, refer to the original spin-down filter system's installation manual or manufacturer's video resources, if available.

Operation

Once installed, the Rusco/Vu-Flow FS-1-1/2-100 filter screen operates as an integral part of your spin-down filter system. Water enters the filter housing and is directed in a centrifugal motion, forcing heavier sediment particles to the bottom of the housing. The 100 mesh screen then filters out finer suspended solids, allowing cleaner water to pass through. The accumulated sediment can be periodically flushed out via the bottom valve without interrupting the main water flow.

Maintenance

Regular maintenance of your Rusco/Vu-Flow replacement filter screen is crucial for maintaining optimal water flow and filtration efficiency. This filter is designed to be cleanable and reusable.

Cleaning Procedure:

1. **Flush:** Periodically open the flush valve at the bottom of the spin-down filter housing to purge accumulated sediment. The frequency depends on the sediment load in your water.
2. **Deep Clean (as needed):** If water flow significantly decreases or the filter appears heavily clogged, a deeper clean is required.
   - Turn off the main water supply and drain the system as described in the installation steps.
   - Remove the filter housing and extract the filter screen.
   - Rinse the filter screen thoroughly under running water, preferably from the inside out, to dislodge trapped particles. A soft brush can be used to gently scrub the mesh if necessary.
   - Inspect the screen for any tears or damage. Replace if damaged.
   - Reinstall the clean filter screen and reassemble the system.

The reusability of this polyester filter screen contributes to its cost-effectiveness and environmental benefits.

Troubleshooting

- **Reduced Water Flow:**
  Possible Cause: Clogged filter screen.
  Solution: Perform a flush. If flow does not improve, remove and deep clean the filter screen. If the screen is

damaged, replace it.

- **Leaks from Housing:**
  Possible Cause: Improperly seated O-ring, damaged O-ring, or loose housing.
  Solution: Turn off water, relieve pressure, and carefully re-seat the housing, ensuring the O-ring is correctly positioned and not pinched. Inspect the O-ring for cracks or damage and replace if necessary. Ensure the housing is tightened securely but not excessively.
- **Sediment in Filtered Water:**
  Possible Cause: Damaged filter screen or incorrect mesh size for the application.
  Solution: Inspect the filter screen for tears or holes and replace if damaged. Verify that the 100 mesh (152 micron) is appropriate for the type of sediment you are trying to remove. For finer particles, a lower micron (higher mesh number) filter may be required.

Specifications

Model Number	FS-1-12-100
Material	Polyester
Mesh Size	100 Mesh (152 Microns)
Length	8-1/8 inches
Top Diameter	1-5/8 inches
Item Weight	0.1 Kilograms
Product Benefits	Removes sediment, maintains high water flow rate, easy to clean and reuse.
UPC	659498005426

Warranty Information

Specific warranty details for replacement filter screens are typically provided by the manufacturer or the point of purchase. Please retain your proof of purchase. For information regarding potential defects or material issues, contact Rusco customer service or refer to the warranty documentation included with your original spin-down filter system or the replacement filter packaging.

Customer Support

For further assistance, technical inquiries, or to purchase additional replacement parts, please visit the official Rusco website or contact their customer support department. Contact information can usually be found on the manufacturer's website or product packaging.
Note: Always refer to the specific instructions provided with your complete spin-down filter system for comprehensive guidance.

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