

DripWorks 030002-000025

Amiad Scanaway Super Filter Instruction Manual

Model: 030002-000025 (155 Mesh)

Brand: DripWorks

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Amiad Scanaway Super Filter, Model 030002-000025 (155 Mesh). Please read this manual thoroughly before using the product to ensure proper function and longevity. Retain this manual for future reference.

2. PRODUCT OVERVIEW

The Amiad Scanaway Super Filter is a semi-automatic irrigation filtration system designed for efficient removal of debris from water sources in large irrigation setups. Its key features include:

- **Semi-Automatic Self-Cleaning:** Allows for manual cleaning while the irrigation system remains operational, minimizing downtime.
- **High-Capacity Stainless Steel Screen:** Features a large filtration area (108 sq. in.) to reduce the frequency of flushing and enhance filtering efficiency.
- **Powerful Suction Nozzle System:** An internal scanner mechanism spirals across the screen without direct contact, utilizing suction nozzles to effectively remove accumulated debris.
- **Durable & High-Pressure Performance:** Constructed to withstand up to 150 PSI maximum pressure, with a minimum flushing pressure requirement of 35 PSI and a maximum flow rate of 110 GPM.
- **Easy Installation & Maintenance:** Equipped with 2-inch Male Pipe Thread (MPT) connections, a flush valve for debris expulsion, and a visual pop-up indicator for clog detection.





Figure 1: Front view of the Amiad Scanaway Super Filter, showing the main body, handle, and inlet/outlet connections. A yellow label indicates "100 micron 0.1 mm".

3. SAFETY INFORMATION

- Always wear appropriate personal protective equipment (PPE) during installation and maintenance.
- Ensure the system is depressurized before performing any maintenance or disassembly.
- Do not exceed the maximum operating pressure of 150 PSI.
- Verify all connections are secure to prevent leaks and potential water damage.
- Keep children and unauthorized personnel away from the irrigation system during operation.

4. COMPONENTS

The Amiad Scanaway Super Filter consists of several key components:

1. Filter Housing
2. Stainless Steel Screen Element
3. Scanaway Cleaning Handle
4. Flush Valve Connection
5. Inlet/Outlet Ports (2" MPT)
6. Pop-up Clog Indicator



Figure 2: Close-up view of the filter's top section, highlighting the Scanaway cleaning handle and the product label with brand and model information.



Figure 3: Detailed view of the flush valve, typically connected to the bottom of the filter for debris expulsion.

5. SETUP AND INSTALLATION

Follow these steps for proper installation of your Amiad Scanaway Super Filter:

1. **Location:** Install the filter downstream of the main water source and before any sensitive irrigation components (e.g., drip emitters, sprinklers). Ensure easy access for maintenance.
2. **Orientation:** The filter should be installed vertically with the flush valve at the bottom. Observe the flow direction arrow on the filter housing to ensure correct installation (water should flow from the inlet to the outlet).
3. **Connections:** Connect the filter using the 2-inch Male Pipe Thread (MPT) ports. Use appropriate thread sealant (e.g., PTFE tape) to ensure watertight connections. Do not overtighten.
4. **Flush Valve:** Attach a suitable flush valve (as shown in Figure 3) to the bottom port of the filter. Ensure it can be easily opened to discharge debris.
5. **Pressure Gauges (Optional):** For optimal monitoring, it is recommended to install pressure gauges before and after the filter to observe pressure differential, which indicates filter clogging.
6. **Initial Flush:** After installation, slowly open the main water supply. Once the filter is full, open the flush valve briefly to purge any air and initial debris from the system.





Figure 4: Side view of the filter, illustrating the 2-inch MPT inlet and outlet ports. Note the red arrow indicating the direction of water flow.

6. OPERATING INSTRUCTIONS

The Amiad Scanaway Super Filter is designed for semi-automatic cleaning without interrupting the water flow. Regular cleaning is essential for maintaining filtration efficiency.

6.1. Normal Operation

During normal operation, water flows through the filter, and the screen traps suspended solids. The pop-up clog indicator will rise as debris accumulates on the screen, signaling that cleaning is required.

6.2. Cleaning Procedure (Scanaway Process)

To clean the filter while the system is under pressure:

1. Ensure the system is operating with at least 35 PSI of pressure for effective flushing.
2. Open the flush valve located at the bottom of the filter.
3. Rotate the Scanaway cleaning handle (located at the top of the filter) clockwise for 5-10 full turns. This action causes the internal suction nozzles to spiral across the screen, dislodging trapped debris.
4. Observe the water discharging from the flush valve. Continue rotating the handle until the discharge water runs clear.
5. Close the flush valve.
6. The filter is now clean and ready for continued operation.

The frequency of cleaning depends on the water quality. Monitor the pop-up indicator and pressure differential (if gauges are installed) to determine the optimal cleaning schedule.

7. MAINTENANCE

Regular maintenance ensures the optimal performance and extends the lifespan of your filter.

7.1. Periodic Inspection

- Visually inspect the filter housing for any signs of damage, cracks, or leaks.
- Check all connections for tightness.
- Ensure the Scanaway handle rotates smoothly.

7.2. Deep Cleaning (Annual or As Needed)

For thorough cleaning, especially if the Scanaway process becomes less effective:

1. Depressurize the system and shut off the water supply to the filter.
2. Open the flush valve to drain any remaining water.
3. Unscrew the bottom cover of the filter housing to access the screen element.
4. Carefully remove the screen element and rinse it thoroughly with clean water. A soft brush can be used to remove stubborn debris.
5. Inspect the screen for any tears or damage. Replace if necessary.
6. Clean the inside of the filter housing and the Scanaway mechanism.
7. Reassemble all components, ensuring O-rings are properly seated and lubricated (if applicable) to prevent leaks.
8. Restore water pressure and perform an initial flush as described in the installation section.

7.3. Winterization

In regions subject to freezing temperatures, it is crucial to winterize the filter to prevent damage:

- Shut off the water supply to the filter.
- Open the flush valve and drain the filter completely.
- Remove the screen element and store it in a dry, frost-free location.
- Ensure all water is drained from the housing and connections.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Reduced water flow through the system.	Filter screen is clogged.	Perform the Scanaway cleaning procedure. If flow remains low, perform a deep clean.
Pop-up indicator remains up after cleaning.	Insufficient flushing pressure or incomplete cleaning.	Ensure system pressure is at least 35 PSI during cleaning. Rotate the handle more turns or perform a deep clean.
Water leaking from connections.	Loose connections or damaged seals.	Depressurize the system. Tighten connections. Inspect and replace O-rings or seals if damaged.
Debris still present in water after filtration.	Damaged screen element or incorrect mesh size for debris type.	Inspect the screen for tears and replace if damaged. Consider if a finer mesh filter (e.g., 200 Mesh) is required for your water source.

9. SPECIFICATIONS

Brand	DripWorks (Manufacturer: Amiad)
Model Number	030002-000025
Mesh Size	155 Mesh (Yellow)
Material	Plastic Housing, Stainless Steel Screen
Connection Size	2 inches Male Pipe Thread (MPT)
Maximum Operating Pressure	150 PSI
Minimum Flushing Pressure	35 PSI
Maximum Flow Rate	110 Gallons Per Minute (GPM)
Filtration Area	108 sq. inches
Item Weight	15 Pounds
Product Dimensions	24 x 12 x 10 inches

10. WARRANTY AND SUPPORT

This product is sold by DripWorks. For specific warranty information, please refer to the documentation provided at the time of purchase or contact DripWorks directly. General return policies typically allow for returns within 30 days of purchase.

For technical assistance, troubleshooting beyond this manual, or to inquire about replacement parts, please contact DripWorks customer support. Contact information can usually be found on their official website or on your purchase invoice.

Note: Protection plans may be available for purchase separately. Refer to your purchase options for details on extended protection.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question