Pentair 24800-0121

Pentair 24800-0121 Air Bleed Assembly Replacement Manual for Sta-Rite System 2 PLM Series Filters

Model: 24800-0121

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the Pentair 24800-0121 Air Bleed Assembly. This component is a replacement part designed for use with Sta-Rite System 2 PLM Series pool and spa sand filters, specifically models PLM100 and PLM150. Proper installation and maintenance ensure efficient operation of your pool filtration system.

2. SAFETY INFORMATION

Always observe basic safety precautions when installing and maintaining pool equipment. Failure to follow these instructions can result in serious injury or property damage.

- Ensure all power to the pump and filter system is turned off and disconnected before beginning any work.
- Relieve all pressure from the filter system before opening or servicing.
- Wear appropriate personal protective equipment, such as safety glasses and gloves.
- If you are unsure about any step, consult a qualified pool service professional.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation.

- Pentair 24800-0121 Air Bleed Assembly (1 unit)

Figure 1: The Pentair 24800-0121 Air Bleed Assembly. This image shows the clear plastic tube with a blue mesh filter at one end, designed to allow air to escape the filter system while retaining filter media.

4. INSTALLATION

This section outlines the steps for replacing the air bleed assembly in your Sta-Rite System 2 PLM Series sand filter.

1. **Prepare the Filter System:** Turn off the pool pump and disconnect its power supply. Close any valves leading to and from the filter to isolate it.

2. **Relieve System Pressure:** Open the air relief valve on top of the filter tank to release any trapped air and pressure. Ensure the pressure gauge reads zero before proceeding.

3. **Drain the Filter:** Open the drain plug at the bottom of the filter tank to allow water to drain completely.

4. **Access the Old Assembly:** Depending on your specific PLM model (PLM100 or PLM150), you may need to remove the filter tank lid or access panel to reach the existing air bleed assembly. Refer to your main filter manual for specific access procedures.

5. **Remove the Old Assembly:** Carefully detach the old air bleed assembly. It is typically secured by a fitting or clips. Note its orientation for correct installation of the new part.

6. **Install the New Assembly:** Insert the new Pentair 24800-0121 Air Bleed Assembly into its designated position. Ensure it is securely fastened and properly oriented.

7. **Reassemble the Filter:** Close the filter tank lid or access panel, ensuring all seals and O-rings are correctly seated and lubricated. Close the filter drain plug.

8. **Restore System Pressure:** Open the valves to and from the filter. With the air relief valve still open, turn on the pool pump. Allow water to fill the filter tank and air to escape through the air relief valve.

9. **Close Air Relief Valve:** Once a steady stream of water emerges from the air relief valve, close it. Check for any leaks around the filter system.

Your browser does not support the video tag.

Video 1: This video demonstrates the replacement process for a similar air bleed kit (WC8-126Z) compatible with Pentair Sta-Rite filters. While not identical to the 24800-0121, it provides a visual guide to the general steps involved in replacing an air bleed assembly in a pool filter system.

5. OPERATION

The air bleed assembly functions automatically to release trapped air from the filter tank during operation. This ensures proper water flow and filtration efficiency. After installation, monitor your filter's pressure gauge. If pressure builds up rapidly or water flow is significantly reduced, ensure the air relief valve is functioning correctly and that no air is trapped in the system.

6. MAINTENANCE

Regular maintenance of your air bleed assembly helps prolong its lifespan and ensures optimal filter performance.

- **Inspection:** Periodically inspect the air bleed assembly for signs of wear, cracks, or damage. Check the mesh screen for any debris accumulation.
- **Cleaning:** If the mesh screen appears clogged, carefully remove the assembly (following the installation steps in reverse) and rinse it thoroughly with clean water. Do not use harsh chemicals or abrasive tools.
- **Replacement:** Replace the air bleed assembly if it shows significant wear, damage, or if you experience persistent air-related issues with your filter system that cannot be resolved by cleaning.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Air trapped in filter system	Air bleed assembly clogged or damaged; improper installation.	Inspect and clean or replace the air bleed assembly. Ensure proper installation and that the air relief valve is opened during startup.
Reduced water flow	Clogged air bleed assembly, preventing proper air release.	Clean or replace the air bleed assembly. Check other filter components for clogs.
Water leaking from assembly area	Improperly seated assembly or damaged O-rings/seals.	Turn off pump, relieve pressure, and re-seat the assembly. Inspect and replace any damaged O-rings or seals.

8. Specifications

- **Part Number:** Pentair 24800-0121
- **Compatibility:** Sta-Rite System 2 PLM Series Pool and Spa Sand Filters (Models PLM100, PLM150)
- **Material:** Plastic
- **Color:** Clear plastic with blue mesh
- **Item Weight:** 0.32 ounces (approximately 0.02 pounds)
- **Product Dimensions:** 1 x 1 x 1 inches (approximate)

9. Warranty and Support

For warranty information or technical support, please refer to the official Pentair website or contact Pentair customer service directly. Keep your purchase receipt as proof of purchase.