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Pentair 191329

Pentair 191329 Air Relief Strainer Replacement Manual

Model: 191329 | Brand: Pentair

1. Introduction

This manual provides instructions for the installation, operation, and maintenance of the Pentair 191329 Air Relief Strainer. This component is designed for use with Pentair Star Polymeric and Star Pool and Spa D.E. Filter Systems, ensuring proper air relief and efficient filtration.
Please read this manual thoroughly before proceeding with any installation or maintenance to ensure safe and correct usage.

2. Safety Information

- Always turn off the pool pump and disconnect power before performing any service or maintenance on the filter system.
- Relieve all pressure from the filter system before opening it. Refer to your main filter system manual for specific pressure relief procedures.
- Use only genuine Pentair replacement parts to ensure compatibility and system integrity.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 warning). Handle with care and wash hands after contact.

3. Product Overview

The Pentair 191329 Air Relief Strainer is a critical component for maintaining optimal performance in compatible D.E. filter systems. It facilitates the release of trapped air from the filter, preventing air pockets that can impede water flow and filtration efficiency.



Figure 3.1: Front view of the Pentair 191329 Air Relief Strainer, showing the fine mesh screen and black plastic base.

This strainer measures approximately 1-1/4 inches in length, 1 inch in height, and 1-1/4 inches in width, and is constructed from durable plastic with a fine mesh screen.

4. Setup and Installation (Replacement)

This section outlines the general steps for replacing an existing air relief strainer. Always consult your specific D.E. filter system's manual for detailed instructions.

1. **Prepare the Filter System:** Turn off the pool pump and disconnect power at the circuit breaker. Open the air relief valve on top of the filter and wait for all pressure to dissipate. Drain the filter if necessary, following your filter's manual.
2. **Access the Filter Internals:** Open the filter tank according to the manufacturer's instructions. This typically involves removing a clamp or lid.
3. **Locate the Old Strainer:** Identify the existing air relief strainer, usually located on the manifold or internal piping of the filter.
4. **Remove the Old Strainer:** Carefully unscrew or detach the old strainer. Note its orientation for correct installation of the new part.

5. **Install the New Strainer:** Position the Pentair 191329 Air Relief Strainer in the same orientation as the old one. Securely screw or attach it into place. Do not overtighten.
6. **Reassemble the Filter:** Close and secure the filter tank according to your filter's manual. Ensure all seals and O-rings are properly seated and lubricated.
7. **Restart the System:** Close the air relief valve. Restore power to the pump and turn it on. Open the air relief valve slowly until a steady stream of water emerges, then close it. Check for leaks.



Figure 4.1: Angled view of the air relief strainer, illustrating its conical mesh design and attachment point.

5. Operating Instructions

The Pentair 191329 Air Relief Strainer operates passively within the D.E. filter system. Its primary function is to allow air to escape from the filter tank during startup and normal operation, preventing air locks and ensuring the filter operates at maximum efficiency.
No direct user interaction is required with the strainer itself during normal operation. Its proper function is critical for the overall performance of your D.E. filter.

6. Maintenance

Regular inspection and cleaning of the air relief strainer are recommended to ensure its longevity and the efficient operation of your D.E. filter system.

- **Inspection:** During routine filter cleaning or disassembly, visually inspect the strainer for any signs of damage, cracks, or excessive debris accumulation on the mesh screen.
- **Cleaning:** If the mesh screen appears clogged with D.E. powder or other debris, gently rinse it with a garden hose. Avoid using high-pressure washers, which could damage the delicate mesh.
- **Replacement:** If the strainer is cracked, torn, or the mesh is significantly damaged, it should be replaced immediately to prevent D.E. powder from entering the pool or compromising filter performance.



Figure 6.1: Top view of the air relief strainer, highlighting the fine mesh surface that filters debris while allowing air to escape.

7. Troubleshooting

Issues related to the air relief strainer often manifest as problems with the overall filter system's performance.

Problem	Possible Cause	Solution
Air bubbles returning to pool	Damaged or improperly seated air relief strainer.	Inspect strainer for damage. Ensure it is securely installed. Replace if damaged.
Filter not priming / low flow	Clogged air relief strainer preventing air escape.	Clean the strainer mesh. Ensure the air relief valve on the filter is functioning correctly.
D.E. powder returning to pool	Torn or damaged strainer mesh.	Replace the air relief strainer immediately.

8. Specifications

Attribute	Detail
Model Number	191329
Brand	Pentair
Product Dimensions	1.25 x 1.25 x 1 inches (3.18 x 3.18 x 2.54 cm)
Item Weight	0.32 ounces (9.07 grams)
Material	Plastic
Compatible Devices	Pentair Star Polymeric, Star Pool and Spa D.E. Filter Systems
Country of Origin	United States

9. Warranty and Support

For specific warranty information regarding the Pentair 191329 Air Relief Strainer, please refer to the documentation provided with your original Pentair D.E. filter system or visit the official Pentair website. Warranty terms may vary.
For technical support, replacement parts, or further assistance, please contact Pentair customer service or visit their official website:

www.pentair.com

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