Pentair 195308

Pentair 195308 Lower Pipe Assembly User Manual

For FNS Pool and Spa D.E. Filters

1. Product Overview

The Pentair 195308 Lower Pipe Assembly is a crucial replacement component designed for specific Pentair FNS series D.E. (Diatomaceous Earth) pool and spa filters. This assembly ensures proper water flow and filtration within your pool or spa system.

Key Features:

- Lower pipe assembly replacement part.
- Compatible with Pentair FNS pool and spa D.E. filter models: FNS24, FNS36, FNS48, FNS60.
- Dimensions: Approximately 19-1/2 inches in length, 4-1/4 inches in height, and 5 inches in width.



Figure 1.1: Main view of the Pentair 195308 Lower Pipe Assembly, showing the complete unit with the included O-ring.

2. Safety Information

WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Always follow all local and national electrical and plumbing codes. Ensure power to the pump is disconnected before performing any installation or maintenance.

3. Setup and Installation

This section provides general guidance for replacing the lower pipe assembly. Always refer to your specific Pentair FNS filter model's complete service manual for detailed instructions and safety precautions.

3.1. Tools Required

- Standard screwdriver (flathead and/or Phillips, depending on filter model)
- Wrench (if applicable for filter clamps)
- Bucket or wet/dry vacuum for water removal
- Lubricant for O-rings (silicone-based, safe for pool equipment)

3.2. Installation Steps

1. **Disconnect Power:** Turn off the power to your pool pump at the circuit breaker to prevent accidental startup.
2. **Drain Filter:** Open the air relief valve and drain plug on your D.E. filter to completely drain all water.
3. **Remove Filter Top:** Carefully remove the clamp or band that secures the top of the filter tank. Lift the filter top off and set it aside.
4. **Remove Old Assembly:** Locate the existing lower pipe assembly. It is typically connected to the filter manifold. Carefully detach it. Note its orientation for correct installation of the new part.
5. **Inspect and Clean:** Inspect the filter tank interior for any debris. Clean the area where the new assembly will be seated.
6. **Install New Assembly:** Position the new Pentair 195308 Lower Pipe Assembly into the filter tank, ensuring it seats correctly into the manifold. Apply a thin layer of O-ring lubricant to the included O-ring before placing it onto the assembly or mating surface.
7. **Reassemble Filter:** Carefully place the filter top back onto the tank, ensuring the O-ring is properly seated. Secure the clamp or band tightly according to the manufacturer's specifications.
8. **Refill and Test:** Close the drain plug. Open the air relief valve and slowly turn on the pump to refill the filter. Once water flows from the air relief valve, close it. Check for any leaks around the filter tank and connections.



Figure 3.1: View of the curved section of the lower pipe assembly, which connects to the filter manifold.



Figure 3.2: Close-up of the threaded connection point on the lower pipe assembly, where it secures to the filter system.



Figure 3.3: The O-ring included with the lower pipe assembly, essential for creating a watertight seal during installation.

4. Operating Principles

The Pentair 195308 Lower Pipe Assembly is a static component within the D.E. filter system. Its primary function is to facilitate the proper flow of water from the filter grids back into the pool system after filtration. It ensures that filtered water is efficiently collected and returned, maintaining optimal filter performance. This part does not have active operational controls; its effectiveness relies on correct installation and the overall integrity of the filter system.

5. Maintenance

Regular inspection and proper care of the lower pipe assembly can extend its lifespan and ensure efficient filter operation.

- **Annual Inspection:** During routine filter cleaning or D.E. grid maintenance, visually inspect the pipe assembly for any signs of cracks, damage, or excessive wear.
- **O-Ring Care:** Always inspect the O-ring for cracks or flattening. Replace the O-ring if it shows signs of wear. Lubricate the O-ring with a silicone-based lubricant designed for pool equipment during reassembly to ensure a proper seal and prevent premature wear.
- **Cleaning:** If the assembly becomes coated with scale or debris, gently clean it with a soft brush and a mild, non-abrasive cleaner safe for pool equipment. Rinse thoroughly with water.

6. Troubleshooting

Issues related to the lower pipe assembly typically manifest as problems with the overall filter performance or leaks.

Problem	Possible Cause	Solution
Water leaking from filter tank	Damaged or improperly seated O-ring; cracked pipe assembly.	Inspect and lubricate/replace O-ring. Check pipe assembly for cracks and replace if damaged. Ensure filter clamp is properly secured.
Reduced water flow or poor filtration	Obstruction within the pipe assembly; incorrect installation.	Disassemble and inspect the pipe for blockages. Verify correct installation according to the filter manual.
Air entering the filter system	Loose connection at the pipe assembly; damaged O-ring.	Tighten connections. Inspect and replace O-ring if necessary.

7. Specifications

Attribute	Detail
Product Name	Lower Pipe Assembly Replacement
Model Number	195308
Brand	Pentair
Compatibility	Pentair FNS Pool and Spa D.E. Filter models FNS24, FNS36, FNS48, FNS60
Product Dimensions	19.5 x 5 x 4.25 inches (approx. 19-1/2" L x 4-1/4" H x 5" W)
Item Weight	1.74 pounds
ASIN	B004W4TNVW

8. Warranty and Support

For specific warranty information regarding the Pentair 195308 Lower Pipe Assembly, please refer to the documentation provided with your original Pentair filter system or contact Pentair directly.

Pentair Customer Support:

- Visit the official Pentair website for support resources, FAQs, and contact information.
- You can also find more information and contact details on thePentair Brand Store on Amazon.

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