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› [Neoperl](#) /

› NEOPERL Perlator Faucet Aerator Instruction Manual

Neoperl 5404205

NEOPERL Perlator Faucet Aerator Instruction Manual

Brand: Neoperl | Model: 5404205

PRODUCT OVERVIEW

The Neoperl Perlator Faucet Aerator (Model 5404205) is a chrome-finished, small male threaded aerator designed for kitchen or bathroom faucets. It features a 2.2 GPM (Gallons Per Minute) flow rate and is NSF 61 approved, ensuring high quality and performance. This aerator introduces air into the water stream, producing a larger, whiter, soft-to-the-touch, and non-splashing flow. It is engineered to provide optimal performance at prevailing line pressures, control stream straightness and diameter, reduce splash, and contribute to water and energy savings by meeting local plumbing codes and standards.



Figure 1: Front view of the Neoperl Perlator Faucet Aerator, showcasing its chrome finish and red dome screen.

SETUP AND INSTALLATION

This section provides instructions for replacing an existing faucet aerator with the Neoperl Perlator. Ensure the water supply to the faucet is turned off before beginning the installation process.

1. **Identify the Existing Aerator:** Locate the aerator at the tip of your faucet spout. It is typically a small, threaded component.
2. **Loosen the Old Aerator:** Depending on how tight it is, you may need a pair of channel locks or an aerator wrench to initially loosen the aerator. Turn counter-clockwise to loosen.
3. **Unscrew and Remove:** Once loosened, continue to unscrew the aerator by hand until it detaches completely from the faucet spout.
4. **Inspect and Discard Old Components:** Carefully remove the old aerator, including any internal components like the screen

and gasket. These components may be degraded or clogged.

5. **Prepare the New Aerator:** The Neoperl Perlator comes as a complete unit. Ensure the internal components (honeycomb screen, flow restrictor, and gasket) are properly seated within the aerator housing.
6. **Install the New Aerator:** Align the new aerator with the threads on the faucet spout. Gently screw it in clockwise by hand. Ensure it is straight and not cross-threaded.
7. **Tighten by Hand:** Tighten the aerator firmly by hand. Avoid over-tightening with tools, as this can damage the aerator or faucet threads.
8. **Test for Leaks and Flow:** Slowly turn on the water supply to the faucet. Check for any leaks around the aerator connection. Observe the water flow to ensure it is consistent and aerated.



Figure 2: Side view of the aerator, indicating its 2.2 GPM flow rate.



Figure 3: Close-up of the honeycomb screen, designed to filter sediment and aerate the water.



Figure 4: Disassembled view of the aerator components, including the housing, red dome honeycomb screen, insert, and washer.

OPERATING INSTRUCTIONS

The Neoperl Perlator Faucet Aerator operates automatically once installed. When water flows through the faucet, the aerator mixes air with the water, creating a soft, splash-free, and consistent stream. This aerated stream feels fuller and helps conserve water without reducing the perceived water pressure.

MAINTENANCE

To ensure optimal performance and longevity of your Neoperl Perlator Faucet Aerator, periodic maintenance is recommended, especially if you notice reduced water flow or irregular spray patterns.

- **Cleaning the Screen:** The aerator features an anti-clogging dome screen that filters sediment and particles. If water flow diminishes, unscrew the aerator (as described in the Setup section) and gently clean the screen under running water. A soft

brush can be used to remove stubborn deposits.

- **Mineral Buildup:** In areas with hard water, mineral deposits (limescale) can accumulate on the aerator components. Soak the disassembled aerator parts in a solution of equal parts white vinegar and water for a few hours to dissolve mineral buildup. Rinse thoroughly before reassembling.
- **Gasket Inspection:** Periodically check the rubber gasket for signs of wear, cracking, or degradation. A damaged gasket can lead to leaks. Replace the gasket if necessary.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Reduced Water Flow	Clogged aerator screen due to sediment or mineral buildup.	Remove and clean the aerator screen. Soak in vinegar solution if mineral buildup is present.
Sputtering or Irregular Stream	Partial clog in the aerator or air intake holes.	Disassemble and thoroughly clean all aerator components. Ensure air intake is clear.
Leakage Around Aerator	Aerator not tightened sufficiently, damaged gasket, or cross-threaded.	Ensure aerator is hand-tightened properly. Check the gasket for damage and replace if necessary. Re-thread carefully to avoid cross-threading.

SPECIFICATIONS

Feature	Detail
Brand	Neoperl
Model Number	5404205
Material	Brass
Finish Type	Chrome Finish
Specification Met	NSF 61
Thread Size	13/16 in. - 27 Male
Maximum Flow Rate	2.2 Gallons Per Minute (GPM)
Item Weight	0.16 ounces
Package Dimensions	2.76 x 2.28 x 0.51 inches
Color	Red/Chrome
Item Package Quantity	1

WARRANTY AND SUPPORT

The Neoperl Perlator Faucet Aerator comes with a **Limited Warranty**. For specific details regarding warranty coverage, terms, and conditions, please refer to the product packaging or contact Neoperl customer support directly. For further assistance, technical support, or inquiries about your product, please visit the official Neoperl website or contact their customer service department.

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

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