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› Neoperl PCA Perlator HC Aerator User Manual

Neoperl 14 5700 5

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Model: 14 5700 5

1. INTRODUCTION

The Neoperl PCA Perlator HC California Economy Flow Male Aerator is designed to provide a consistent, non-splashing, and aerated water stream while conserving water. This aerator features pressure compensating technology, ensuring a constant flow rate across a wide range of water pressures. Its unique anti-clogging and lime-resistant design enhances durability and reduces maintenance.



An image showing the Neoperl PCA Perlator HC Aerator. It is a small, cylindrical device with a chrome finish, a black rubber gasket at the top, and a visible honeycomb screen filter inside. The word 'NEOPERL' is embossed on the side.

2. KEY FEATURES

- **Consistent Water Flow:** Provides a constant, non-splashing, soft-to-the-touch, aerated stream.
- **Pressure Compensating:** Maintains a constant flow rate from 20 to 80 psi, ensuring optimal performance regardless of water pressure fluctuations.
- **Anti-Liming Honeycomb:** Features an integrated anti-liming Honeycomb screen that replaces conventional wire mesh screens, reducing lime buildup and extending product life.
- **Anti-Clogging Design:** A clear dome screen effectively filters sediment and particles, preventing clogs.
- **Standard Thread Size:** Equipped with 13/16"-27 male threads for compatibility with various faucets.
- **Water Efficiency:** 1.2 Gallons Per Minute (GPM) flow rate helps conserve water.

3. SPECIFICATIONS

Attribute	Detail
Model Number	14 5700 5
Brand	Neoperl
Flow Rate	1.2 Gallons Per Minute (GPM)
Thread Size	13/16"-27 Male Threads
Material	Brass
Finish Type	Chrome
Dimensions	Approx. 5 x 3 x 0.2 inches (Package)
Weight	Approx. 0.16 ounces

4. INSTALLATION INSTRUCTIONS

Before beginning installation, ensure the water supply to the faucet is turned off.

- 1. Remove Old Aerator:** If an existing aerator is present, unscrew it from the faucet spout. You may need an aerator wrench or pliers for stubborn aerators. Be careful not to scratch the faucet finish.
- 2. Clean Faucet Spout:** Clean any debris, mineral buildup, or old gasket material from the inside threads of the faucet spout. This ensures a proper seal.
- 3. Insert Gasket:** Ensure the rubber gasket (usually black) is properly seated within the new Neoperl aerator. This gasket is crucial for preventing leaks.
- 4. Screw in New Aerator:** Carefully align the Neoperl PCA Perlator HC Aerator with the faucet spout threads. Screw it in clockwise by hand until it is snug.
- 5. Tighten (if necessary):** If hand-tightening is not sufficient to prevent leaks, use an aerator wrench or pliers with a cloth to gently tighten it a quarter turn more. *Do not overtighten*, as this can damage the aerator or faucet threads.
- 6. Test for Leaks:** Turn the water supply back on slowly and check for any leaks around the aerator. If leaks occur, tighten slightly more or re-check the gasket's position.

5. OPERATION

The Neoperl PCA Perlator HC Aerator operates automatically once installed. Simply turn on your faucet as usual. The aerator will mix air into the water stream, providing a soft, splash-free flow while maintaining a consistent 1.2 GPM flow rate, regardless of fluctuations in water pressure between 20 and 80 psi.

6. MAINTENANCE

Regular maintenance will ensure the longevity and optimal performance of your aerator.

- Cleaning:** Periodically unscrew the aerator from the faucet. Rinse the honeycomb screen and clear dome under running water to remove any trapped sediment or particles.
- Mineral Buildup:** While the aerator is designed to be lime-resistant, hard water can still cause mineral buildup over time. If you notice a reduced flow or distorted stream, soak the aerator in a solution of equal parts white vinegar and water for 30 minutes to an hour. Use a soft brush (like an old toothbrush) to gently scrub away any remaining

deposits. Rinse thoroughly before re-installing.

- **Gasket Inspection:** When cleaning, inspect the rubber gasket for any signs of wear, cracking, or damage. A damaged gasket can lead to leaks. Replace if necessary.
- **Avoid Harsh Chemicals:** Do not use abrasive cleaners, strong acids, or harsh chemicals on the aerator, as these can damage the chrome finish or internal components.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Water leaks around the aerator	Aerator not tightened enough; damaged or misaligned gasket.	Gently tighten the aerator. Remove, inspect, and reposition or replace the gasket.
Reduced water flow or spray is uneven	Sediment or mineral buildup in the screen.	Remove the aerator and clean the honeycomb screen and clear dome. Soak in vinegar solution if mineral buildup is severe.
Aerator is difficult to remove	Mineral buildup on threads; overtightened.	Apply a penetrating lubricant (like WD-40) around the threads and let it sit. Use an aerator wrench or pliers with a cloth for better grip.

8. WARRANTY AND SUPPORT

For specific warranty information regarding your Neoperl PCA Perlator HC Aerator, please refer to the packaging or contact Neoperl customer support directly.

Neoperl Contact Information:

Please visit the official Neoperl website or refer to the product packaging for the most current contact details for customer service and technical support.

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