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› [Neoperl](#) /

› Neoperl 1.0 gpm Laminar Stream Cache Aerator Pressure Compensating All Four Sizes with Keys Instruction Manual

Neoperl CCL-0100-ALL

Neoperl 1.0 gpm Laminar Stream Cache Aerator Instruction Manual

Model: CCL-0100-ALL

INTRODUCTION

The Neoperl 1.0 gpm Laminar Stream Cache Aerator is designed to provide a consistent, non-aerated water flow while conserving water. This product is particularly suitable for environments where air-free water is preferred, such as healthcare settings. It features pressure compensating technology to maintain a steady flow rate regardless of water pressure fluctuations. This multi-pack includes four common sizes of cache aerators along with their corresponding installation keys, ensuring compatibility with various faucet types.

PRODUCT CONTENTS

- One (1) Standard (M24 x 1 threads) Cache Aerator
- One (1) Junior (M21.5 x 1 threads) Cache Aerator
- One (1) Tiny Junior (M18.5 x 1 threads) Cache Aerator
- One (1) Tom Thumb (M16.5 x 1 threads) Cache Aerator
- Four (4) Neoperl Mounting Keys (one for each size)



Image showing the complete set of Neoperl cache aerators in various sizes, their corresponding installation keys, and an example of the laminar water stream produced.

KEY FEATURES

- **Water Conservation:** 1.0 gallons per minute (gpm) flow rate helps save water, energy, and money.
- **Laminar Stream:** Delivers a clear, non-aerated water flow, ideal for sensitive applications and preventing splashing.
- **Pressure Compensating:** Maintains a consistent flow rate even with varying water pressures.
- **Multi-Size Compatibility:** Includes Standard, Junior, Tiny Junior, and Tom Thumb sizes to fit a wide range of cache faucets.
- **Easy Installation:** Comes with dedicated Neoperl mounting keys for simple removal and replacement.
- **Certifications:** NSF-61 approved and WaterSense certified.



A visual representation of the smooth, clear laminar water stream produced by the aerator, demonstrating its non-aerated flow.

UNDERSTANDING AERATOR SIZES

Cache aerators are designed to be hidden within the faucet spout. Identifying the correct size is crucial for proper fit and function. This pack includes four common sizes, each identifiable by its corresponding key and approximate diameter.

Standard (M24 x 1): Typically the largest, often found in kitchen faucets.

Junior (M21.5 x 1): A common size for bathroom faucets.

Tiny Junior (M18.5 x 1): Smaller bathroom or specialty faucets.

Tom Thumb (M16.5 x 1): The smallest size, used in compact or designer faucets.

Note for Delta Faucet Models: For Delta faucet models 2551, 3551, 4551 (500, 501, 502, 511, 515, 516, 520, 522, 523, 540, 541, 542, 544 DST), 119/319/419 (DST & non-DST models), and 155/156 (DST models), as well as model 4380, a Junior size aerator and Junior Size Wrench are typically required. A Junior size can also convert 2.2 gpm to 1.5 gpm on Talbott, Pilar Waterfall, and Victorian Single models.

AERATOR SIZE EXAMPLES



Standard (ST)
= Quarter Size



Junior (JU)
= Nickel Size



Tiny Junior (TJ)
= Penny Size



Tom Thumb (TT)
= Dime Size

This image illustrates the relative sizes of the Standard, Junior, Tiny Junior, and Tom Thumb aerators, comparing them to common US coins (Quarter, Nickel, Penny, Dime) for easy identification.

SETUP AND INSTALLATION

Installing the Neoperl Cache Aerator is a straightforward process. Ensure you have the correct size aerator and its corresponding Neoperl mounting key before beginning.

- 1. Identify Current Aerator Size:** If replacing an existing cache aerator, use the provided keys to determine which one fits your current aerator. This will indicate the size you need for replacement. If unsure, try each key until one engages properly.
- 2. Remove Old Aerator (if applicable):** Insert the appropriate Neoperl mounting key into the slots of the existing cache aerator. Turn the key counter-clockwise to unscrew and remove the old aerator.
- 3. Clean Faucet Spout:** Gently clean any debris or mineral buildup from the inside of the faucet spout where the aerator sits.
- 4. Insert New Aerator:** Select the new Neoperl cache aerator of the correct size. Ensure the rubber gasket is properly seated on the aerator.
- 5. Install New Aerator:** Insert the new aerator into the faucet spout. Use the corresponding Neoperl mounting key to gently turn the aerator clockwise until it is snug. **Do not overtighten**, as this can damage the aerator or faucet threads.
- 6. Test for Leaks:** Turn on the water supply and check for any leaks around the aerator. If leaks occur, ensure the aerator is

properly seated and tightened.



Simply use the
Cache[®] key to
easily remove
and replace the
Cache[®] aerator



This image demonstrates the simple process of using the Cache key to remove and replace the Cache aerator from a faucet spout.

OPERATION

Once installed, the Neoperl Laminar Stream Cache Aerator operates automatically. It will provide a consistent 1.0 gpm laminar (non-aerated) water flow whenever the faucet is turned on. The pressure compensating feature ensures the flow rate remains stable across varying water pressures.

MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your aerator.

- **Cleaning:** Periodically remove the aerator using the appropriate key and rinse it under running water to remove any loose debris.
- **Mineral Buildup:** If water flow becomes restricted or uneven, mineral deposits may have accumulated. Soak the aerator in a solution of equal parts white vinegar and water for a few hours (or overnight for heavy buildup). Use a soft brush to gently scrub away any remaining deposits. Rinse thoroughly before reinstallation.
- **Inspection:** Inspect the rubber gasket for any signs of wear or damage. Replace the aerator if the gasket is compromised or if the aerator itself is cracked.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Reduced or Uneven Water Flow	Mineral buildup or debris in aerator.	Remove and clean the aerator as described in the Maintenance section.
Water Leaking Around Aerator	Aerator not tightened sufficiently, or damaged gasket.	Ensure aerator is snug (do not overtighten). Inspect gasket for damage; replace aerator if necessary.
Aerator Does Not Fit	Incorrect size selected.	Verify the correct aerator size for your faucet using the provided keys and size guide. This pack includes four common sizes.

SPECIFICATIONS

- Brand: Neoperl
- Model Number: CCL-0100-ALL
- Flow Rate: 1.0 Gallons per Minute (gpm)
- Material: Metal
- Finish Type: Brushed
- Included Sizes: Standard (M24x1), Junior (M21.5x1), Tiny Junior (M18.5x1), Tom Thumb (M16.5x1)
- Certifications: NSF 61, WaterSense
- Item Weight: Approximately 3 ounces (for the set)
- UPC: 740450968344



A detailed close-up of a single Neoperl cache aerator, showing its design and internal components.

WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the manufacturer's official website or contact the seller directly. Keep your purchase receipt as proof of purchase.

Manufacturer: Neoperl

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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