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## Neoperl 13023

# Neoperl PCA Cache Faucet Aerator M16.5x1 User Manual

Brand: Neoperl | Model: 13023

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your Neoperl PCA Cache Faucet Aerator. Designed for faucets without external metal housing, these hidden aerators offer a smooth, aerated water stream while maintaining a consistent flow rate despite pressure changes. Please read this manual thoroughly before installation and use.

## 2. PRODUCT FEATURES

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- **PCA (Pressure Compensating Aerator):** Maintains a consistent flow rate of 1.5 Gallons Per Minute (GPM) regardless of water pressure fluctuations.
- **Cache Design:** Threads directly into the faucet spout, eliminating the need for a metal housing and providing a sleek, integrated appearance.
- **Honeycomb Filter Screen:** Creates a soft, non-splashing, fully aerated stream of water.
- **M16.5x1 Thread Size:** Specifically designed for faucets requiring this thread dimension, often referred to as 'Tom Thumb' size.
- **Vandal-Proof:** The hidden design and requirement of a special key for removal enhance security.

## 3. PACKAGE CONTENTS

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- Two (2) Neoperl PCA Cache Aerators (M16.5x1, 1.5 GPM)
- One (1) Installation/Removal Tool Key



Image shows two Neoperl PCA Cache aerators and one yellow installation key. The aerators are small, cylindrical, with a white body, black threading, and a blue ring at the base. The top features a green honeycomb filter screen. The yellow key is T-shaped, designed to fit the aerator for removal and installation.

#### 4. INSTALLATION INSTRUCTIONS

Follow these steps to install your Neoperl PCA Cache Faucet Aerator:

1. **Turn Off Water Supply:** Locate the water shut-off valves under your sink and turn them off to prevent water flow during installation.
2. **Remove Existing Aerator:** If an old aerator is present, use the provided yellow tool key to unscrew it from the faucet spout. Insert the key into the aerator slots and turn counter-clockwise. Remove the old aerator and any old washers or debris.
3. **Clean Faucet Spout:** Thoroughly clean the inside of the faucet spout threads to ensure a proper seal for the new aerator.
4. **Apply Plumber's Tape (Optional but Recommended):** For an extra secure, leak-free seal, wrap plumber's tape (also known as Teflon tape) clockwise around the threads of the new Neoperl aerator.
5. **Install New Aerator:** Insert the new Neoperl PCA Cache Aerator into the faucet spout. Use the yellow tool key to gently screw it in clockwise until it is snug. **Do not overtighten**, as this can damage the aerator or faucet threads.
6. **Restore Water Supply:** Turn the water shut-off valves back on.
7. **Check for Leaks:** Turn on the faucet and inspect for any leaks around the aerator. If leaks occur, gently tighten the aerator further with the key, or re-apply plumber's tape and reinstall.

#### 5. OPERATING INSTRUCTIONS

Once installed, the Neoperl PCA Cache Faucet Aerator operates automatically. Simply turn on your faucet as usual. The aerator will mix air into the water stream, creating a soft, white, and splash-free flow. The pressure compensating feature ensures that the water flow remains consistent at 1.5 GPM, contributing to water conservation without sacrificing performance.

## 6. MAINTENANCE

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To ensure optimal performance and longevity of your aerator:

- **Regular Cleaning:** Periodically remove the aerator using the tool key and rinse the honeycomb screen under running water to remove any accumulated sediment or debris.
- **Mineral Deposit Removal:** If water flow becomes restricted due to hard water deposits, soak the aerator in a solution of equal parts white vinegar and water for a few hours, then scrub gently with a soft brush and rinse thoroughly.
- **Replacement:** If the aerator becomes damaged or excessively clogged and cannot be cleaned effectively, it is recommended to replace it with a new Neoperl PCA Cache Aerator.

## 7. TROUBLESHOOTING

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- **Low Water Flow:**  
**Solution:** Remove the aerator and clean the honeycomb screen. Mineral deposits or debris can restrict flow.
- **Leaking Around Aerator:**  
**Solution:** Ensure the aerator is securely tightened with the tool key. If leaking persists, remove the aerator, check for any damaged washers (though these aerators typically seal directly), and consider reapplying plumber's tape to the threads before reinstalling.
- **Water Spraying Irregularly:**  
**Solution:** This usually indicates a partially clogged screen. Remove and clean the aerator as described in the Maintenance section.

## 8. SPECIFICATIONS

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<b>Brand</b>	Neoperl
<b>Model Number</b>	13023
<b>Thread Size</b>	M16.5x1 (Tom Thumb Size)
<b>Maximum Flow Rate</b>	1.5 Gallons Per Minute (GPM)
<b>Finish Type</b>	Polished
<b>Item Weight</b>	0.634 ounces
<b>Product Dimensions</b>	0.65 x 0.65 x 0.65 inches

## 9. WARRANTY AND SUPPORT

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Specific warranty details for this product are not provided within this manual. For warranty information or technical support, please refer to the product packaging or contact Neoperl customer service directly through their official website or contact channels.

