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Neoperl 16002xx

Neoperl Faucet Aerator Instruction Manual - Model 16002xx

Compatible with Kohler Service Kit 1278467 Cache Eco-Flow Hidden Insert

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your Neoperl Faucet Aerator, Model 16002xx. This aerator is designed to provide an aerated stream while conserving water, and is compatible with Kohler Service Kit 1278467.

The Neoperl Cache Aerator features a patented construction that delivers a splash-free, well-aerated, and soft-to-the-touch water stream. It is pressure compensating, ensuring a constant flow rate from 20 to 80 psi, and is WaterSense listed for water efficiency.



Image 1.1: The Neoperl Faucet Aerator, its installation key, and an example of the aerated water stream it produces. The aerator is a small, cylindrical insert, and the key is used for its removal and installation.

2. PACKAGE CONTENTS

Verify that all components are present in the package:

- Neoperl Cache Faucet Aerator (Blue 1.0 gpm, Tiny Junior M18.5)
- Installation/Removal Key
- O-Ring (pre-installed on aerator)

3. INSTALLATION

The Neoperl Cache Aerator is designed for easy installation directly into the faucet spout without the need for an external housing. It replaces existing cache aerators.

1. **Turn off Water Supply:** It is recommended to turn off the water supply to the faucet before beginning installation to prevent accidental water flow.
2. **Remove Existing Aerator:** If an existing cache aerator is present, insert the provided installation key into the aerator slots and turn counter-clockwise to unscrew and remove it. Clean any debris from the

faucet spout.

3. **Insert New Aerator:** Place the new Neoperl Cache Aerator into the faucet spout opening. Ensure the blue O-ring is properly seated.
4. **Tighten Aerator:** Use the installation key to gently turn the aerator clockwise until it is snug. Do not overtighten.
5. **Restore Water Supply:** Turn the water supply back on and check for leaks. If leaks occur, ensure the aerator is properly seated and tightened.



Image 3.1: A hand holding the red installation key, inserting or removing the Neoperl Cache Aerator from a faucet spout. This illustrates the simple process of using the key to manage the aerator.

4. OPERATION

Once installed, the Neoperl Faucet Aerator operates automatically with the flow of water. It is designed to provide a consistent 1.0 gallons per minute (gpm) flow rate, regardless of water pressure fluctuations between 20 and 80 psi.

- **Aerated Stream:** The aerator introduces air into the water stream, creating a soft, white, and splash-free flow.
- **Water Conservation:** The 1.0 gpm flow rate helps conserve water without compromising performance, contributing to lower water consumption.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your aerator.

- **Cleaning:** If the water flow becomes irregular or reduced, the aerator may need cleaning. Use the installation key to remove the aerator. Rinse it under running water to remove any loose sediment. For stubborn mineral deposits, soak the aerator in a solution of equal parts white vinegar and water for 30 minutes, then scrub gently with a soft brush.
- **Anti-Clogging Design:** The integrated anti-liming honeycomb screen and anti-clogging dome screen are designed to filter sediment and resist lime build-up, reducing the frequency of cleaning.
- **Replacement:** If the aerator is damaged or performance significantly degrades after cleaning, it may need to be replaced. Use the model number 16002xx or compatibility with Kohler Service Kit 1278467 when purchasing a replacement.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Reduced or irregular water flow	Sediment or mineral build-up in aerator	Remove and clean the aerator (refer to Section 5).
Water leaks from faucet spout	Aerator not seated correctly or O-ring damaged	Remove aerator, check O-ring for damage, re-insert and tighten securely. Replace O-ring or aerator if damaged.
Excessive splashing	Aerator clogged or incorrect type	Clean aerator. Ensure the correct aerator type (aerated stream) is installed.

7. SPECIFICATIONS

- **Brand:** Neoperl
- **Model Number:** 16002xx
- **Flow Rate:** 1.0 Gallons Per Minute (gpm)
- **Thread Size:** Male 18.5 (M18.5) / Tiny Junior (.77")
- **Material:** Acetal
- **Finish Type:** Polished
- **Color:** Blue (O-ring color indicates flow rate)
- **Compatibility:** Compatible with Kohler Service Kit 1278467
- **Certifications:** WaterSense Listed
- **Dimensions:** Approximately 0.75 x 0.75 x 0.75 inches
- **Item Weight:** Approximately 1.92 ounces

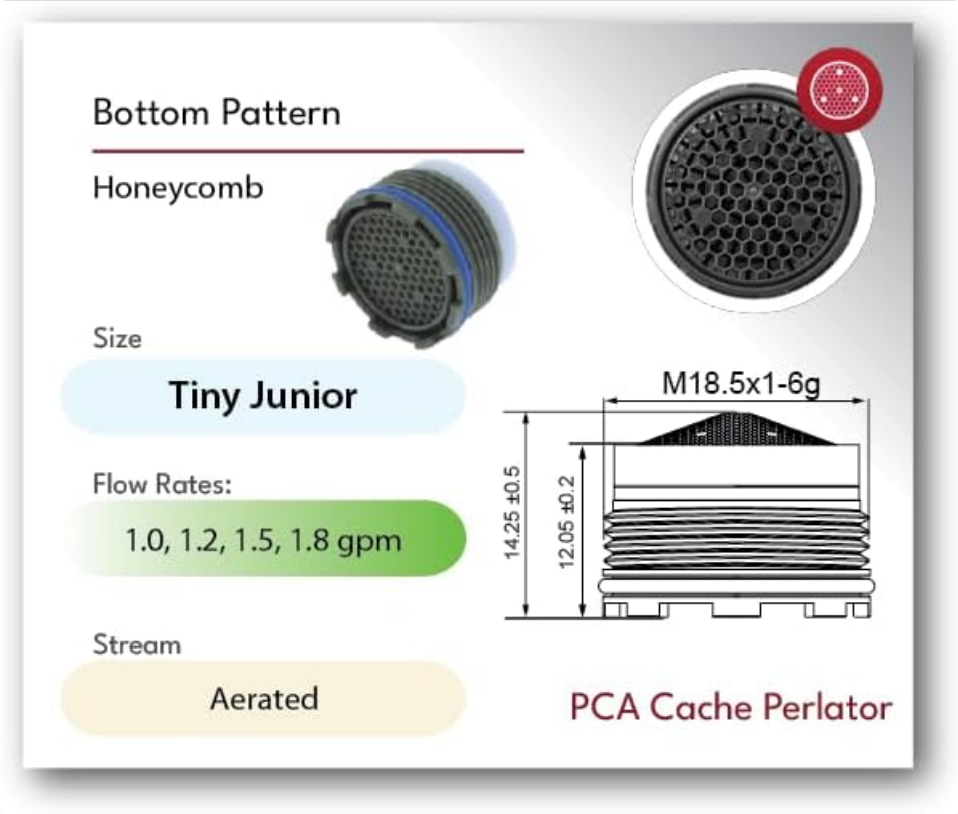


Image 7.1: Detailed diagram showing the dimensions (M18.5x1-6g, 14.25mm height, 12.05mm thread length) and available flow rates (1.0, 1.2, 1.5, 1.8 gpm) for the Tiny Junior PCA Cache Perlator. The image highlights the honeycomb bottom pattern.

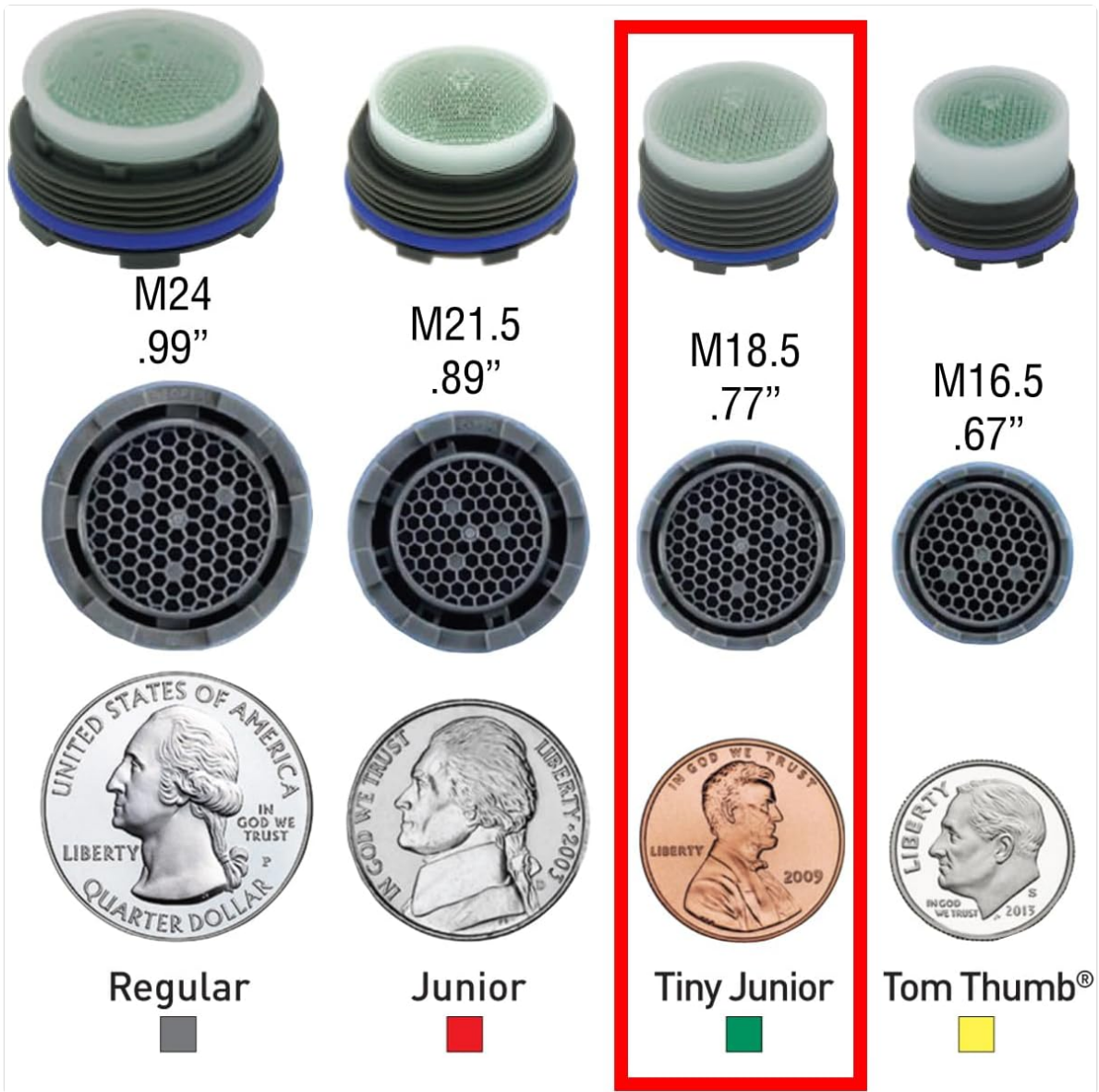


Image 7.2: A visual comparison of different Neoperl Cache Aerator sizes, including Regular (M24, .99"), Junior (M21.5, .89"), Tiny Junior (M18.5, .77"), and Tom Thumb (M16.5, .67"). The Tiny Junior size, relevant to this product, is highlighted with a red box, shown alongside a US penny for scale.

8. WARRANTY AND SUPPORT

For specific warranty information or technical support, please refer to the official Neoperl website or contact their customer service directly. Keep your purchase receipt for warranty claims.

Neoperl products are manufactured to high-quality standards. If you encounter any issues not covered in this manual, professional assistance may be required.