

Neoperl 13 0520 2

Neoperl Cache 1.0 gpm Faucet Aerator Instruction Manual

Model: 13 0520 2

Brand: Neoperl

INTRODUCTION

The Neoperl Cache 1.0 gpm Faucet Aerator is designed to provide a consistent, aerated water stream for kitchen and bathroom faucets. This hidden insert aerator features a patented construction that ensures a splash-free, soft-to-the-touch stream. It is pressure compensating, maintaining a constant flow rate of 1.0 gallons per minute (gpm) across a pressure range of 20 to 80 psi. The integrated anti-liming honeycomb screen and anti-clogging dome screen help filter sediment and prevent mineral buildup. This aerator is designed with male threads for direct installation into the faucet cavity and requires a special key for installation and removal.

PACKAGE CONTENTS

- Neoperl Cache 1.0 gpm Faucet Aerator (JR. 2 Pack)
- Installation Key
- O-Ring

PRODUCT FEATURES

- **1.0 GPM Flow Rate:** Provides a water-efficient flow.
- **Aerated Stream:** Introduces air into the water stream for a soft, splash-free flow.
- **Hidden Design:** Virtually invisible once installed, creating a clean faucet appearance.
- **Pressure Compensating:** Maintains consistent flow from 20 to 80 psi.
- **Anti-Liming Honeycomb:** Resists lime buildup, reducing maintenance.
- **Anti-Clogging Dome Screen:** Filters sediment and particles to prevent clogs.
- **Easy Installation/Removal:** Utilizes a dedicated key for simple servicing.
- **WaterSense Certified:** Meets EPA criteria for water efficiency.

INSTALLATION

Follow these steps to install your Neoperl Cache Faucet Aerator:

1. **Identify Aerator Type:** Ensure your faucet is designed for a Cache hidden aerator. Cache aerators thread directly into the faucet spout without an external housing.
2. **Remove Existing Aerator (if applicable):** If an old Cache aerator is present, insert the provided red Neoperl 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:** Insert the red Neoperl key into the aerator slots and turn clockwise to screw the aerator firmly into place. Do not overtighten.
5. **Test for Leaks:** Turn on the water supply and check for any leaks around the aerator. If leaks occur, gently tighten the aerator further with the key.



Figure 1: Installation of the Neoperl Cache Aerator using the provided key.



Figure 2: The Neoperl installation key.

OPERATION

Once installed, the Neoperl Cache aerator will provide a consistent 1.0 gpm aerated stream. The aerator automatically mixes air into the water, creating a soft, non-splashing flow that is comfortable for washing hands and dishes. The pressure compensating feature ensures that the flow rate remains constant even with varying water pressures in your home.

MAINTENANCE

The Neoperl Cache aerator is designed for low maintenance due to its anti-liming and anti-clogging features. However, periodic cleaning may be necessary depending on your water quality.

- **Cleaning:** If you notice reduced flow or an irregular stream, remove the aerator using the installation key. Rinse the aerator under running water to dislodge any trapped particles. For mineral buildup, soak the aerator in a solution of equal parts white vinegar and water for 30 minutes, then scrub gently with a soft brush.
- **Replacement:** The aerator is a consumable part and may need replacement after several years of use or if it becomes damaged. Use the installation key to remove the old aerator and install a new one following the installation steps.

TROUBLESHOOTING

- **Low Water Flow:** If the water flow is significantly reduced, the aerator may be clogged. Remove and clean the aerator as described in the Maintenance section.
- **Irregular Water Stream:** An uneven or split stream often indicates partial clogging. Clean the aerator thoroughly.
- **Leaking Around Aerator:** Ensure the aerator is fully tightened with the installation key. Check that the O-ring is properly seated and not damaged. If the O-ring is damaged, it may need to be replaced.

SPECIFICATIONS

Attribute	Value
Brand	Neoperl
Model Number	13 0520 2
Part Number	13 0280 2
Maximum Flow Rate	1.0 Gallons Per Minute (gpm)
Thread Size	Male M21.5
Material (Body)	Acetal
Material (Internal O-ring)	EPDM
Material (External O-ring)	Silicone
Specification Met	WaterSense
Item Weight	1.92 ounces
Product Dimensions	0.5 x 0.5 x 0.5 inches
Color	Blue (O-ring)
Shape	JR. 2 Pack



Figure 3: Technical data and components of the Neoperl Cache Aerator.

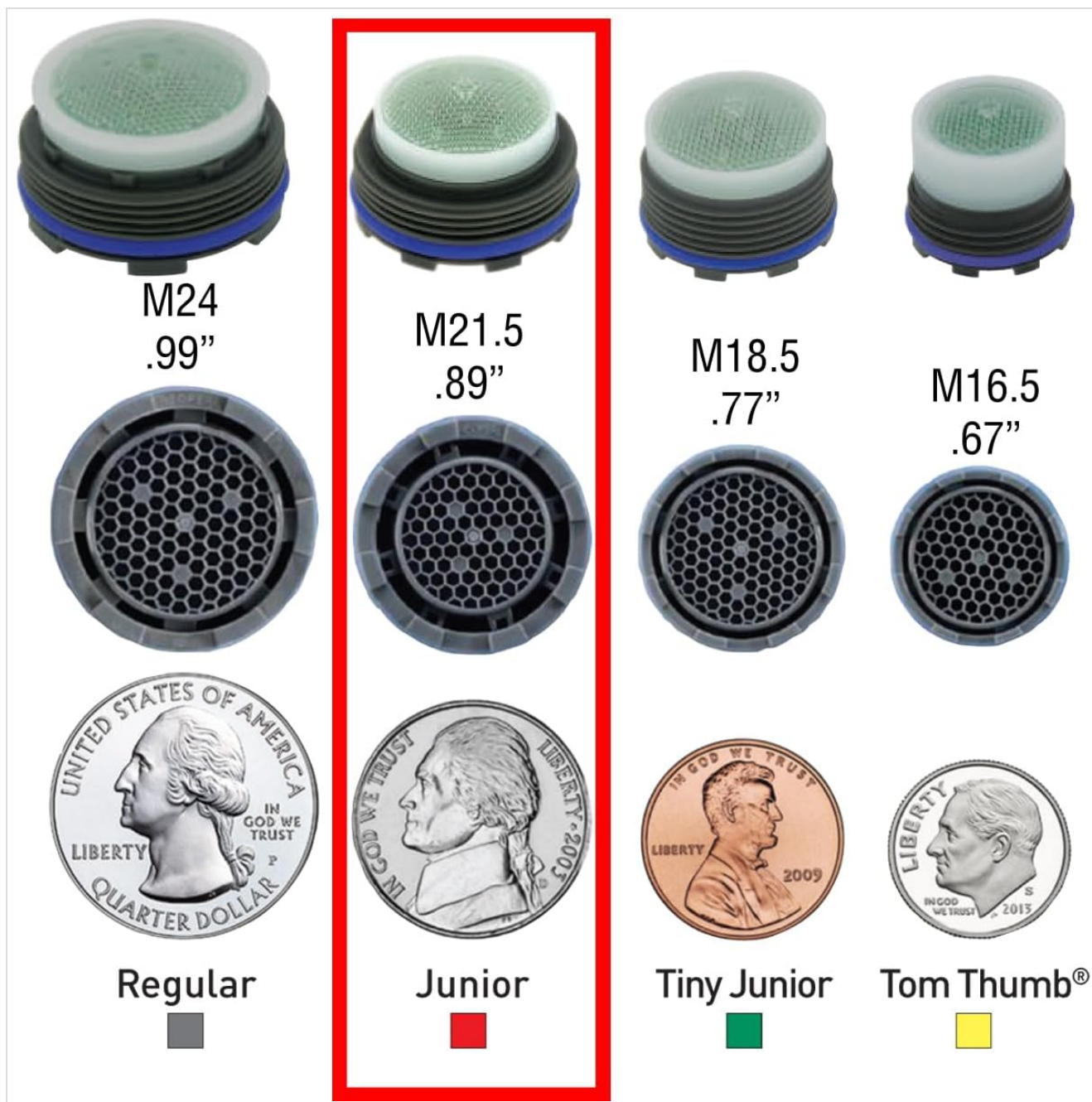


Figure 4: Comparison of Neoperl Cache aerator sizes. This product is the Junior (M21.5) size.

WARRANTY AND SUPPORT

Specific warranty information for this product is not provided in the available details. For warranty claims, technical support, or further assistance, please contact Neoperl customer service directly or refer to the official Neoperl website.