

Neoperl 11600 Series

Neoperl Full Flow Aerator Instruction Manual

Model: 11600 Series (1.8 GPM / 2.2 GPM)

1. PRODUCT OVERVIEW

The Neoperl Full Flow Aerator is designed to provide an aerated, soft, and non-splashing water stream for your kitchen or bathroom faucet. It introduces air into the water flow, creating a larger, whiter stream that is gentle to the touch and minimizes splashing. This aerator is engineered for optimal performance and durability, featuring a precision honeycomb screen for maximum aeration and reduced splash.



This image displays the Neoperl Full Flow Aerator in action, producing a smooth, aerated water stream. Alongside the flowing water, two aerator components are shown: a chrome-finished aerator housing with a black gasket and a brown honeycomb insert, and a separate green honeycomb insert with a white rim.

Key features include:

- Produces a full, aerated stream that is soft to the touch.
- Minimizes splashing for a cleaner sink area.
- Disassembles easily for cleaning and maintenance.
- Available in 1.8 GPM and 2.2 GPM flow rates to suit various needs.
- NSF 61 approved for quality and safety.

2. SETUP AND INSTALLATION

2.1 Identifying Your Aerator Type

Neoperl aerators come in various configurations to fit different faucet types. Common types include Regular Male Thread, Junior Male Thread, Regular Female Thread, Junior Female Thread, Dual Thread, and Insert. The model covered by this manual is primarily the Regular Male Thread 15/16"-27, but the general installation steps apply to other threaded types as well.

2.2 Tools Required

- Adjustable wrench or pliers (optional, for stubborn aerators)
- Soft cloth (to protect faucet finish if using tools)
- Aerator key (if your faucet requires one, not included)

2.3 Step-by-Step Installation

Follow these steps to install your Neoperl Full Flow Aerator:

1. **Remove the Old Aerator:** Turn off the water supply to the faucet. Grasp the old aerator and twist counter-clockwise to remove it. If it is too tight, use an adjustable wrench or pliers wrapped in a soft cloth to loosen it.
2. **Clean the Faucet Spout:** Inspect the inside of the faucet spout for any debris, mineral buildup, or old washer remnants. Clean thoroughly to ensure a proper seal with the new aerator.
3. **Install the New Aerator:**
 - **For Threaded Aerators (Male or Female):** Align the threads of the new Neoperl aerator with the threads on the faucet spout. Gently turn clockwise by hand until it is snug.
 - **For Insert Aerators:** Place the insert into the faucet spout opening, ensuring it sits flush. Then, thread the aerator housing (if separate) onto the spout.
4. **Tighten and Check for Leaks:** Once hand-tight, turn the water supply back on and check for leaks. If a leak occurs, gently tighten the aerator a bit more with your hand. If necessary, use an adjustable wrench or pliers with a soft cloth for a final quarter-turn, being careful not to overtighten, which can damage the aerator or faucet threads.



This image illustrates the installation process for both male and female faucet aerators. The left panel shows a hand threading a male aerator into a female faucet opening. The right panel shows a hand threading a female aerator onto a male faucet spout. Both images emphasize hand-tightening for initial installation.

3. OPERATION

The Neoperl Full Flow Aerator operates automatically once installed. When water flows through the faucet, the aerator mixes air into the water stream, creating a consistent, aerated flow. This process results in a whiter, softer stream that feels pleasant and reduces splashing in the sink.



This diagram provides detailed specifications for the Neoperl aerator. It highlights the honeycomb bottom pattern, indicates a 'Regular' size, and lists available flow rates of 1.5, 1.8, and 2.2 gallons per minute (gpm). Dimensional measurements are provided as A (20.88 mm), B (12.00 mm), and C (19.97 mm), along with a note indicating 'Restricted Flow Perlator'.

4. MAINTENANCE

Regular cleaning of your Neoperl aerator will ensure optimal performance and extend its lifespan. Mineral deposits and debris can accumulate over time, reducing water flow and affecting stream quality.

4.1 Cleaning Procedure

1. **Remove the Aerator:** Turn off the water supply. Unscrew the aerator from the faucet spout by hand or with a wrench/pliers as described in the installation section.

2. **Disassemble:** Carefully separate the aerator components, including the housing, insert, and washer. The honeycomb screen can often be gently pushed out from the insert.
3. **Clean Components:** Rinse all parts under running water. For mineral buildup, soak the components, especially the honeycomb screen, in a solution of equal parts white vinegar and water for 30 minutes to an hour. Use a small brush (like an old toothbrush) to gently scrub away any remaining deposits.
4. **Rinse and Reassemble:** Rinse all parts thoroughly with clean water. Ensure no vinegar residue remains. Reassemble the aerator, making sure the washer is correctly seated.
5. **Reinstall:** Thread the cleaned and reassembled aerator back onto the faucet spout, following the installation steps. Turn on the water and check for leaks.

5. TROUBLESHOOTING GUIDE

If you encounter issues with your Neoperl Full Flow Aerator, refer to the following guide:

5.1 Issue: Reduced Water Flow

- **Possible Cause:** Clogged aerator screen due to mineral buildup or debris.
- **Solution:** Remove and clean the aerator as described in the Maintenance section.

5.2 Issue: Leaking Around the Aerator

- **Possible Cause:** Aerator not tightened sufficiently, or the washer is improperly seated or damaged.
- **Solution:** Gently tighten the aerator. If the leak persists, remove the aerator, inspect the washer for damage, ensure it is seated correctly, and reinstall. Replace the washer if it is worn or damaged.

5.3 Issue: Excessive Splashing

- **Possible Cause:** Aerator screen is damaged, or the aerator type is not ideal for your specific faucet pressure.
- **Solution:** Inspect the honeycomb screen for any damage. If damaged, the aerator may need replacement. Ensure the correct GPM aerator is used for your water pressure.

6. PRODUCT SPECIFICATIONS

Brand	Neoperl
Model Series	11600 Series
Material	Brass
Finish Type	Polished
Maximum Flow Rate	1.8 Gallons Per Minute (GPM) / 2.2 Gallons Per Minute (GPM)
Thread Size (Regular Male)	15/16"-27
Approximate Dimensions	0.75 x 0.75 x 0.75 inches
Approximate Item Weight	1.92 ounces
Certifications	ANSI 61, ASME A112.18.1, CSA B125.1

Included Components	Housing, Insert, Washer
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7. WARRANTY AND SUPPORT

7.1 Warranty Information

Neoperl products are manufactured to high-quality standards. For specific warranty details regarding your aerator, please refer to the official Neoperl website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

7.2 Customer Support

If you require further assistance, have questions not covered in this manual, or need to report a product issue, please contact Neoperl customer support. Contact information can typically be found on the official Neoperl website or product packaging.