



Manuals.plus /

- › Chicago Faucets /
- › ECONO-FLO (1.0 G.P.M.) Instruction Manual

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ECONO-FLO (1.0 G.P.M.) Instruction Manual

Chicago Faucets - Model: ECONO-FLO (1.0 G.P.M.)

1. PRODUCT OVERVIEW

The ECONO-FLO (1.0 G.P.M.) is a specialized component designed for faucet systems, primarily functioning as an aerator or flow restrictor. It is crucial for maintaining water efficiency and preventing leaks in various faucet applications. This component includes essential parts such as washers and O-rings, which are vital for creating a secure seal between faucet elements.

Its primary function is to regulate water flow to 1.0 Gallons Per Minute (G.P.M.), contributing to water conservation while ensuring adequate water pressure for daily use. The durable construction and precise engineering of this component ensure long-lasting performance and reliability.



This image displays the ECONO-FLO (1.0 G.P.M.) component, which is a faucet aerator or flow restrictor. It features a chrome-plated metal body with external threads for attachment, a black rubber gasket, and a white mesh filter visible inside the opening. The brand name 'CHICAGO FAUCETS' is embossed on the side.

2. SPECIFICATIONS

The following table outlines the key specifications for the ECONO-FLO (1.0 G.P.M.) component:

Attribute	Detail
Brand	Chicago Faucets
Model	ECONO-FLO (1.0 G.P.M.)
Finish Type	Chrome
Maximum Flow Rate	1 Gallon Per Minute
Package Dimensions	7 x 6 x 1 inches
Item Weight	1 Pound
ASIN	B00CIAPE1K
UPC	611943578206
Date First Available	April 24, 2013

3. SETUP AND INSTALLATION

The ECONO-FLO (1.0 G.P.M.) component is designed for straightforward installation as a replacement part for existing faucet aerators or flow restrictors. Proper installation ensures optimal performance and prevents leaks.

Installation Steps:

- Turn off Water Supply:** Before beginning any work, locate the main water shut-off valve for your sink or the entire house and turn it off to prevent water flow.
- Remove Old Component:** Carefully unscrew the existing aerator or flow restrictor from the faucet spout. You may need a wrench or pliers, but be cautious not to scratch the faucet finish.
- Clean Faucet Spout:** Clean any debris, mineral buildup, or old gasket material from the inside and outside of the faucet spout threads.
- Inspect New Component:** Ensure the new ECONO-FLO component, including its washers and O-rings, is free from defects and properly seated.
- Install New Component:** Screw the ECONO-FLO (1.0 G.P.M.) component into the faucet spout by hand until it is snug. Avoid overtightening, as this can damage the threads or the component.
- Tighten (if necessary):** If hand-tightening is not sufficient to prevent leaks, use a wrench or pliers with a cloth to gently tighten the component an additional quarter turn.
- Restore Water Supply:** Slowly turn the water supply back on and check for any leaks around the newly installed component.
- Test Flow:** Run water through the faucet to confirm proper flow and operation.

4. OPERATING INSTRUCTIONS

The ECONO-FLO (1.0 G.P.M.) component operates passively as part of your faucet system. Once installed, it automatically regulates the water flow to a maximum of 1.0 gallons per minute, ensuring efficient water usage without requiring any user interaction.

To operate your faucet with the ECONO-FLO component, simply use your faucet as you normally would. The component will ensure a consistent and controlled water stream, optimizing water consumption for washing, rinsing, and other tasks.

5. MAINTENANCE

Regular maintenance of your ECONO-FLO (1.0 G.P.M.) component can extend its lifespan and ensure continued optimal performance. The primary areas of maintenance involve cleaning and inspecting for wear.

Maintenance Tips:

- **Regular Cleaning:** Over time, mineral deposits (limescale) and debris can accumulate within the aerator's mesh screen, reducing water flow. Periodically unscrew the component and rinse the mesh screen under running water. A soft brush can be used to gently remove stubborn deposits.
- **Vinegar Soak:** For heavy mineral buildup, soak the component in a solution of equal parts white vinegar and water for 30 minutes to an hour. This helps dissolve mineral deposits. Rinse thoroughly afterward.
- **Inspect Washers and O-rings:** When cleaning, inspect the rubber washers and O-rings for any signs of wear, cracking, or hardening. Damaged seals are a common cause of leaks.
- **Replacement:** If washers or O-rings appear worn or if the component itself is damaged, replace it with a new ECONO-FLO (1.0 G.P.M.) unit to maintain proper sealing and flow.

6. TROUBLESHOOTING

Most issues related to the ECONO-FLO (1.0 G.P.M.) component are minor and can be resolved with simple troubleshooting steps.

Common Issues and Solutions:

- **Reduced Water Flow:**
 - **Cause:** Clogged mesh screen due to mineral deposits or debris.
 - **Solution:** Remove the component and clean the mesh screen as described in the Maintenance section.
- **Leaks Around the Faucet Spout:**
 - **Cause:** Improperly seated component, damaged washers/O-rings, or damaged threads.
 - **Solution:** Ensure the component is screwed on tightly but not overtightened. Inspect the washers and O-rings for damage and replace if necessary. If threads are damaged, the faucet spout or component may need replacement.
- **Water Spraying Irregularly:**
 - **Cause:** Partial clogging of the mesh screen or internal components.
 - **Solution:** Thoroughly clean the component, paying attention to all small openings and the mesh.

If these troubleshooting steps do not resolve the issue, it may indicate a problem with other parts of your faucet system or require professional assistance.

7. WARRANTY AND SUPPORT

For information regarding the warranty of your ECONO-FLO (1.0 G.P.M.) component, please refer to the warranty documentation provided at the time of purchase or visit the official Chicago Faucets website. Warranty terms typically cover manufacturing defects under normal use.

Should you require technical assistance, have questions about installation, or need to report a defective product, please contact Chicago Faucets customer support. Have your product model information and purchase details ready when contacting support.

Chicago Faucets Official Website: www.chicagofaucets.com

