

# MeterMix™ Faucet Temperature Adjustment

3600 Series

# CHICAGO FAUCETS®

## Overview

The MeterMix faucet provides the water savings of a metering faucet combined with the convenience of temperature adjustment.

## MeterMix Features

- MVP™ Metering Cartridge has proven performance and is backed by a 5-year warranty
- Two in-line check/screen assemblies
- Vandal resistant spray outlet in four flow rates
- Adjustable timing
- Variable temperature control
- Vandal resistant, ADA compliant handle

## Notice to Installer

- **Read this entire instruction sheet before installing to ensure proper installation.**
- **Installation must comply with local codes and ordinances.**

Pressurized plumbing fixtures shall be installed in accordance with manufacturer's recommendations. The supply piping to these devices shall be securely anchored to the building structure to prevent installed device from unnecessary movement when operated by the user. Care shall be exercised when installing the device to prevent marring the exposed surface.

NOTE: The information in this manual is subject to change without notice.

Please leave this manual with the facility manager after completing the faucet installation. This document contains information necessary for routine maintenance and servicing.

## Installation

1. Turn off water supply to existing faucet and remove faucet, if necessary.
2. Clean faucet basin and clear away debris.
3. Install the mounting shanks into the base of the faucet body.
4. Mount the faucet to the sink deck. Install the spacers, flat washers, and locknuts to the faucet from underneath the deck. Securely tighten the locknuts.

NOTE: Use silicon sealant for porous stone or plumbers putty as recommended by countertop manufacturer.

Do not use a wrench on spout or inlet tubes. Flush lines before connecting supply tube to faucet. Faucet has inlet screens that can clog if not flushed.

5. Connect supply hoses from faucet to stop valves. Tighten connections securely.
6. Flush installed faucet before installing outlet.
7. Install outlet using key supplied. Do not overtighten.
8. Make all hot limit stop and timing adjustments (see below and page 2) prior to performing step 8.
9. Install handle button.

## Timing Adjustment

Flow cycle time may be increased or decreased by adjusting the timing. Faucet comes factory preset to meet applicable standards, which require at least 10 seconds and no more than .25 GPM per cycle at 60 PSI for both hot and cold inlet pressures. Based on supply conditions, timing may be adjusted to achieve the desired setting.

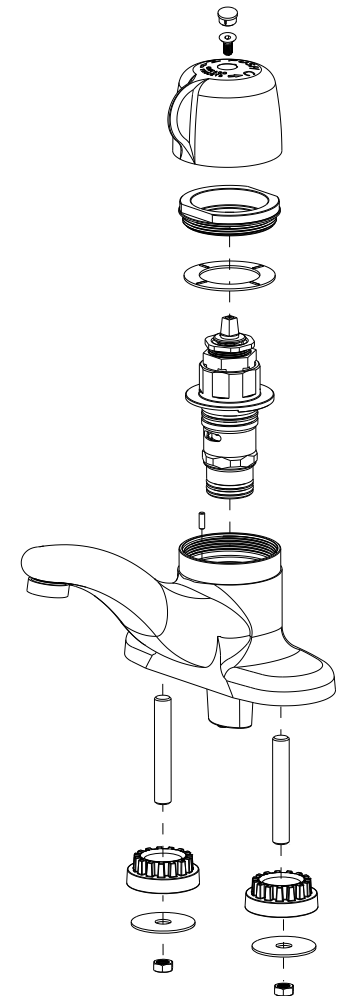
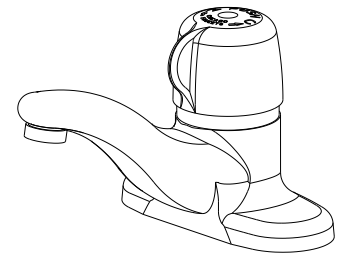
NOTE: Timing must be checked with handle and handle screw in place. Purge any air by activating faucet 8 times rapidly, then check the cycle time.

1. Remove the button, screw and handle. Handle can be removed by gently tapping with rubber mallet or other soft object while pulling up, or wiggle handle to loosen while pulling up.
2. Turn the plastic serrated adjustment nut to adjust the timing: counterclockwise to shorten cycle time, clockwise to lengthen cycle time.
3. Adjust incrementally. After each adjustment, install handle and fully tighten screw before checking cycle time. When desired cycle time is achieved, install handle, screw, and button.

NOTE: Handle fin should face forward on spout.

IMPORTANT: Small variations from cycle to cycle should be expected.

NOTE: Some new installations may produce a slight "closing noise". This is a result of air trapping and the noise will dissipate over time.



# MeterMix™ Faucet Temperature Adjustment

(continued)

# CHICAGO FAUCETS®

## Temperature Adjustment

The output temperature range of the faucet is from full cold to full hot.

- When the faucet handle is turned fully to the right (CCW), the output temperature is the same as the cold water inlet temperature.
- When the faucet handle is turned fully to the left (CW), the output temperature is the same as the hot water inlet temperature.
- In the center position the output temperature will be a combination of both hot and cold inlet temperatures.

If your operating conditions are different from the ones shown in the box at right, you may have to replace the hot orifice seat located inside the faucet body. Alternatively, the output temperature setting of the hot water supply may be adjusted to achieve the same results.

A temperature adjustment kit has been provided with four different hot orifice seats. The center hole diameter is the only difference between them.

If the outlet temperature of the center position is too warm, the Hot Orifice Seat is too large. Replace the Hot Orifice Seat with a smaller one from the kit.

If the outlet temperature of the center position is too cool, the Hot Orifice Seat is too small. Replace the Hot Orifice Seat with a larger one from the kit.

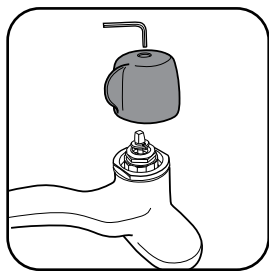
After changing the Hot Orifice Seat, run the faucet for 1 minute and check the output temperature in the center handle position. If acceptable, no further action is required.

If the output temperature is still not satisfactory after changing the Hot Orifice Seat, or if the smallest or largest Hot Orifice Seat is already installed, the installer may adjust the inlet pressure of the hot and/or cold water lines to adjust the temperature.

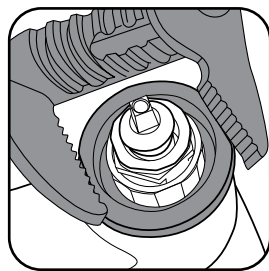
The 3600 family of MeterMix faucets have been optimized to perform best under the following conditions:

Inlet hot water temperature 140°F (46°C)  
Inlet cold water temperature 70°F (21°C)  
Inlet pressure (Hot & Cold) 50 PSI (345 kPa)

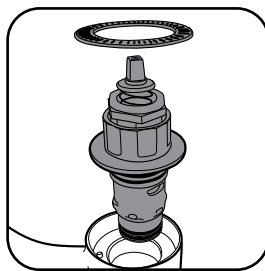
## Temperature Adjustment



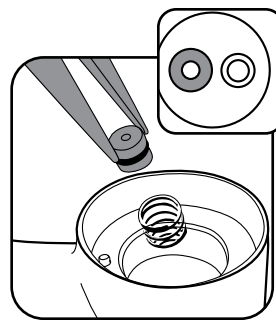
1. Using wrench, remove hex screw and handle. Depress actuator stem to purge any residual pressure.



2. Loosen cartridge assembly using channel locks.

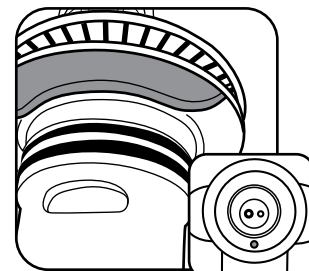


3. Remove cartridge assembly.



4. Remove hot orifice seat using needle nose pliers. The hot orifice seat is on the left.

Inset: Replace hot orifice seat until desired temperature and pressure is reached.



5. Align mounting pin to groove in brass nut when replacing cartridge assembly. Pin orientation should face front.

## Care and Maintenance

All Chicago Faucets fittings are designed and engineered to meet or exceed industry performance standards.

Care should be taken when cleaning this product. Do not use abrasive cleaners, chemicals or solvents as they can result in surface damage. Use mild soap with warm water for cleaning and protecting the surface of Chicago Faucets fittings.

*For additional technical assistance, call 800/TEC-TRUE (800-832-8783) or visit our website at [chicagofaucets.com](http://chicagofaucets.com).*

## CHICAGO FAUCETS LIMITED WARRANTY

**TO WHOM DOES THIS WARRANTY APPLY?** — The Company extends the following limited warranty to the original user only.

**WHAT DOES THIS WARRANTY COVER AND HOW LONG DOES IT LAST?**

This warranty covers the following Commercial Products:

**LIFETIME FAUCET WARRANTY** — The "Faucet," defined as any metal cast, forged, stamped or formed portion of the Product, not including electronic or moving parts or other products separately covered by this Limited Warranty or water restricting components or other components, is warranted against material manufacturing defects for the life of the Product.

**FIVE YEAR FAUCET WARRANTY** — Certain Products and portions of the Product are warranted against material manufacturing defects for a period of five (5) years from the date of Product purchase. Products warranted against material manufacturing defects for a period of five (5) years from the date of Product purchase are referred to by the product numbers 42X, 43X, 15XX and E-Tronic™ - 4X, 5X, 6X, 7X, 8X and 9X. All zinc die cast portions of Product are warranted against material manufacturing defects for a period of five (5) years from the date of Product purchase.

**FIVE YEAR CARTRIDGE WARRANTY** — The "Cartridge", defined as the metal portion of any Product typically referred to by the product numbers containing 1-099, 1-100, 1-310, 377X, 217X and 274X, excluding any rubber or plastic components, is warranted against material manufacturing defects for a period of five (5) years from the date of Product purchase. All Cartridges included in the Company's Single Control or Shower Products also are warranted against material manufacturing defects for a period of five (5) years from the date of Product purchase.

**ONE YEAR FINISH WARRANTY – COMMERCIAL** — For Products used in commercial applications, the finish of the Product is warranted against material manufacturing defects for a period of one (1) year from the date of Product purchase.

**OTHER WARRANTIES** — All other Products not covered above are warranted against material manufacturing defects for a period of one (1) year from the date of Product purchase.

Other restrictions and limitations apply. For complete warranty details, call Chicago Faucets Customer Service at 847-803-5000 or visit [chicagofaucets.com](http://chicagofaucets.com).

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