

FAUCET CARE AND
MAINTENANCE GUIDE



see what Delta can do™

A close-up photograph of a modern, polished chrome Delta faucet. The faucet has a high-arched spout and a single-lever handle. A hand is shown from the right, with the index finger gently touching the side of the spout. A steady stream of water is flowing from the spout's opening. The background is solid black, which makes the metallic surface of the faucet and the white water stand out.

Answers to frequently asked
questions about how to keep
your Delta® faucets at their best.

Congratulations.

You've made a smart choice.

Your new Delta® faucets are engineered for superior performance inside and out—offering thoughtful features that make a difference in your everyday life.

2 Registration

3 Early maintenance

5 Cleaning tips

7 New technologies

13 Before you call

18 Smart features

23 Lifetime faucet and finish limited warranty



Registration.

Why register your new Delta faucets?

It is to your benefit to register your new Delta faucets. When you do, your information is entered into our proprietary database that will enable us to contact you regarding your Delta faucets should the need arise.

We respect your privacy and will *only* use the information you provide us to better serve you—it will never be sold to or used by another company or third party.

To register your Delta faucets, visit deltafaucet.com/warranty. And, for more detailed care and maintenance information, visit deltafaucet.com/customersupport.



Early maintenance.

I just moved into a newly constructed home. What should I know about my faucets?

Even though a plumber flushes the pipes before completing work on your home, a small amount of construction debris may be flushed out of your pipe system during the first few days you use your faucets. Solder particles, copper chips, plumber tape and other installation materials can also get caught in aerators and showerheads. The tips below will help you avoid problems. It's also a good idea to follow these procedures each time the water has been turned off for repairs in your home.

To Flush a Kitchen or Lavatory Faucet:

- **Remove** aerator using the special tool that came with your faucet (Figure 1). For some faucet models, the aerator (and black sealing gasket above it) may be removed by hand.
- **Turn** hot and cold faucet handle(s) to full-on position(s) and flush lines for two minutes before turning off water. Make sure not to move the handle(s).
- **Replace** aerator (and gasket, depending on your model).

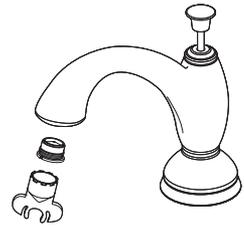


Figure 1

To Flush a Pull-Out/Pull-Down Kitchen Faucet:

If the spray does not come out of the wand as you would expect:

- **Unscrew** the wand from the hose (Figure 2). Aim hose into drain.
- **Turn** faucet handle to full-on hot and cold mixed position and flush for two minutes to remove debris from the lines. Do not move the handle during that time.
- **Tap** the screen in the wand (located at the base of the wand where it connects to the hose) to remove debris (Figure 3). *Note: Do not further disassemble the wand.*
- **Screw** the wand back onto the hose.

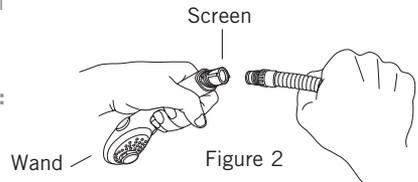


Figure 2

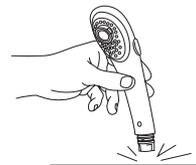


Figure 3

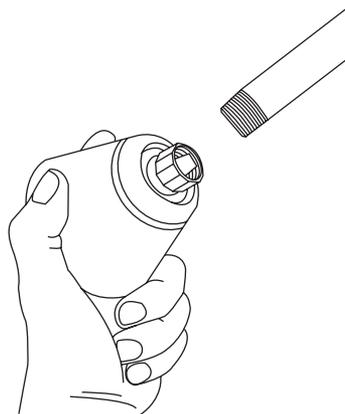
Visit the “How-To” Video Gallery on deltafaucet.com/videogallery or [YouTube.com/deltafaucet](https://www.youtube.com/deltafaucet) to watch videos demonstrating how to flush the lines for your kitchen or bath faucet.





To Flush a Tub/Shower Faucet:

- **Remove** showerhead from arm, if applicable.
- **Turn** handle(s) to full-on hot and cold mixed position(s).
- **Flush** tub spout for two minutes without moving handle(s).
- **Divert** water to shower (if applicable) and flush shower arm for two minutes. If you need to more thoroughly clean your showerhead, go to page 17.
- **BE SAFE!** Make sure cold water flows **FIRST** and that the adjustable rotational limit stop is properly set.* Visit deltafaucet.com/rotationalstop for more information on setting the adjustable rotational limit stop. Due to inlet water temperature changes, you may need to adjust it seasonally.



*The rotational limit stop should not be considered an anti-scald device.

Cleaning tips.

How should I clean or maintain the finish on my faucet?

- **Wipe** your faucet with a damp cloth and mild household cleanser.
- **Dry** with a soft cloth to retain luster and shine.
- **Remove** hard water stains with a 50/50 solution of white vinegar and water. Rinse thoroughly with water afterward.

What cleaning products can cause damage to faucet finishes?

Although your faucet's finish is extremely durable, it can be damaged or scratched by harsh cleaners or abrasives. Here's what to avoid:

- Industrial cleaners
- Abrasive cleaners
- Toilet bowl cleaners
- Bleach-based cleaners
- Polish
- Ammonia solutions
- Heavy-duty scrub sponges
- Products that state on the label that they remove tarnish and rust
- Products containing hydrofluoric, hydrochloric and/or phosphoric acids and caustic agents



What's the best way to remove lime and mineral deposits from my faucet?

If using a mild household cleanser doesn't do the job, place a cloth soaked in white vinegar over the deposits for several hours, then try the mild cleanser again. *Note: Drying the faucet with a soft cloth after each use will help prevent mineral deposits.*

How do I remove mineral deposits from the aerator?

- **Unscrew** aerator or use the special tool that came with your faucet. If your aerator has a separate black sealing gasket, rinse it in clear water.
- **Soak** the aerator in a 50/50 vinegar and water solution for several hours.
- **Flush** the aerator with water.
- **Rub** stubborn deposits with a toothbrush.

How do I clean/remove mineral deposits from my pull-out/pull-down wand, showerhead or handshower?

The face of your pull-out/pull-down wand, showerhead or handshower most likely incorporates Delta® Touch-Clean® technology. To ensure proper spraying, follow these steps:

- **Wipe** over the soft rubber spray holes on your Touch-Clean pull-out/pull-down wand, showerhead or handshower face, using your fingertips to loosen and break away residue and mineral deposits.



For a Deeper Cleaning:

- **Unscrew** the showerhead, handshower or wand.
- **Soak** it in a 50/50 vinegar and water solution for several hours.
- **Rub** stubborn deposits with a toothbrush.



Visit the "How-To" Video Gallery on deltafaucet.com/videogallery or YouTube.com/deltafaucet to watch a video demonstrating how to clean or replace an aerator.

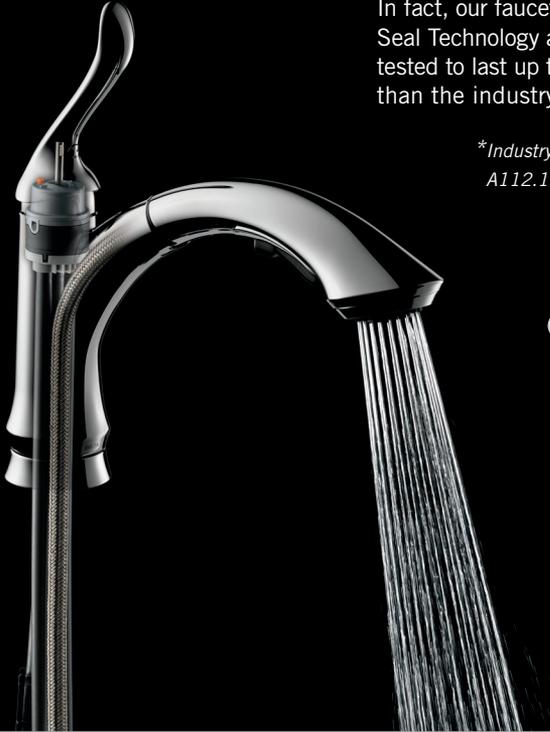


New technologies.

DIAMOND™ Seal Technology

Our patented DIAMOND Seal Technology combines a disc embedded with real diamonds with InnoFlex® PEX waterways, resulting in incredible durability and reliability. In fact, our faucets with DIAMOND Seal Technology are designed and tested to last up to 10 times longer than the industry standard*.

**Industry standard based on ASME A112.18.1 of 500,000 cycles.*



Leak-Free.

The threat of leaks is all but eliminated thanks to the exclusive one-piece supply lines, DIAMOND™ valve and no dynamic seals.

Longer Lasting.

Delta's DIAMOND™ Seal Technology is forever, requiring no lubrication and eliminating wear on seals to ensure like new operation for the life of the faucet.

Lead-Free.

Satisfies all current state and federal drinking water legislation.

Less Hassle.

With integrated InnoFlex® supply lines, no intermediate risers are required. DURAMOUNT® mounting system provides durable, fast and corrosion resistant installation.

Includes 3/8" stop connections. Adapters may be required for other stop configurations.

My single-handle faucet with a DIAMOND Valve has an orange handle limit stop. How do I set it?

Some single-handle faucets with DIAMOND Seal Technology that were produced after October 1, 2008, feature a two-function handle limit stop. The handle limit stop—which enables you to limit movement of the handle, so it cannot move to the full-on hot position—offers the choice of two settings:

1. Full range of handle motion (this option is pre-set at the factory).
2. A stop option that restricts handle motion to a 50/50 mix of hot and cold water.*

To Change Your Handle Limit Stop Setting to a 50/50 Mix of Hot and Cold Water:

- **Remove** handle.
- **Move** the orange switch to the half circle setting.



*The handle limit stop should not be considered an anti-scald device.

New technologies.

Touch₂O® and Touch₂O.xt™ Technologies

Sometimes your hands could use a hand. With Delta® Touch₂O Technology faucets in the kitchen and bath, the intuitive touch activation allows you to tap anywhere on the spout or handle to start or stop the flow of water (when the handle is in the ON position). You can also go completely hands-free with new Touch₂O.xt Technology bath faucets. Simply move your hand near the faucet and this innovative technology activates the flow of water.

What if my Touch₂O faucet handle or spout doesn't respond to touch?

Depending on the possible cause, different solutions may work. Try the tips below. You may not need to go through each of these steps to correct the problem.

- **Check** the batteries/power.
- **Check** the handle to make sure it is in the ON position.
- **Use** a deliberate touch like playing a piano. The touch should not be:
(1) too long; (2) too short; (3) with fingernails; or (4) with a dry cloth.





- **Check** the Installation Instructions/Owner’s Manual—which can be found by visiting deltafaucet.com and searching for your faucet model—to ensure proper installation of all electrical connections and spout insulating elements.
- **Reset** the unit by disconnecting the battery or power supply; wait 30 seconds and re-connect battery or power supply.

What if my LED does not come on?

- **Check** the LED plug to ensure it is fully engaged in the control box.
- **Replace** the batteries, if needed.

What if my faucet is not responding to touch and/or hands-free operation and the manual handle doesn’t turn on the water?

- **Replace** the batteries.
- **Contact 1-800-345-DELTA (3358)** to speak with Delta Faucet customer service or visit deltafaucet.com to review the information in the Installation Instructions/Owner’s Manual for your model, if needed.

For more information about Delta Touch₂O Technology, visit deltafaucet.com/touch. The Touch₂O Technology User’s Guide—which can be downloaded from the “Literature” section on the site—provides additional details about using and maintaining your faucet with Touch₂O Technology.

New technologies.

Touch2O® and Touch2O.xt™ Technologies (continued)

What if the hands-free mode isn't working on my faucet with Touch2O.xt Technology?

- **Reactivate** the hands-free mode by performing the following tap sequence:
 - (a) Put the handle in the OFF position.
 - (b) Do not touch the faucet for 10 seconds.
 - (c) Tap the faucet six times within four seconds.
 - (d) Wait for the red/blue light to stop flashing.
 - (e) Tap the faucet again six times within four seconds. This step must be completed within four seconds of Step (d).
 - (f) The red/blue light will flash to confirm that the hands-free mode is activated. If the red/blue light does not flash, wait 10 seconds and repeat these steps.





If you're still experiencing issues, **contact 1-800-345-DELTA (3358)** or visit **deltafaucet.com/customersupport** for assistance.

You may also visit Smart Solutions on **deltafaucet.com** to learn more about faucets with Touch2O_{xt} Technology. For more detailed care and maintenance information, visit **deltafaucet.com/customersupport**.

Before you call.

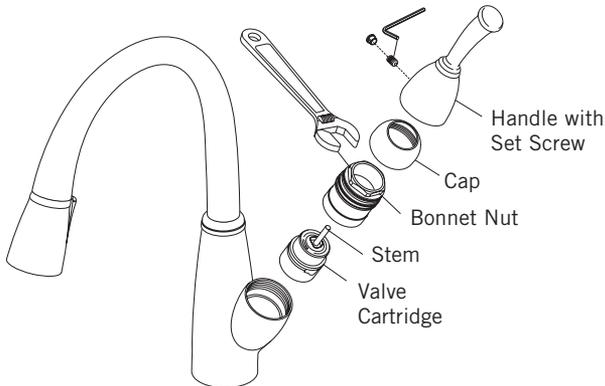
Below, you'll find some frequently asked questions and troubleshooting tips. For more information on any topic—or to find information on a problem you don't see here—visit deltafaucet.com/customer-support where you can search for more detailed instructions. You can also find helpful “How-To” videos on deltafaucet.com/video-gallery and YouTube.com/deltafaucet.

What should I do if my single-handle kitchen or lavatory faucet drips from the spout?

Your Delta® faucet is designed for leak-free performance, and all of our faucets are performance-tested before they leave our manufacturing facilities. If you experience a drip from the spout, follow the Early Maintenance instructions on page 3 of this guide. If you continue to experience the problem, follow these steps:

For Single-Handle Faucets, First:

- **Remove** the handle to determine what type of valve is inside.
- **Look** for an orange handle limit stop or a square stem in a yellow-green color. If you have either of these, you have a DIAMOND™ Valve. If you don't have an orange handle limit stop or a yellow-green, square stem, you most likely have a ball valve.

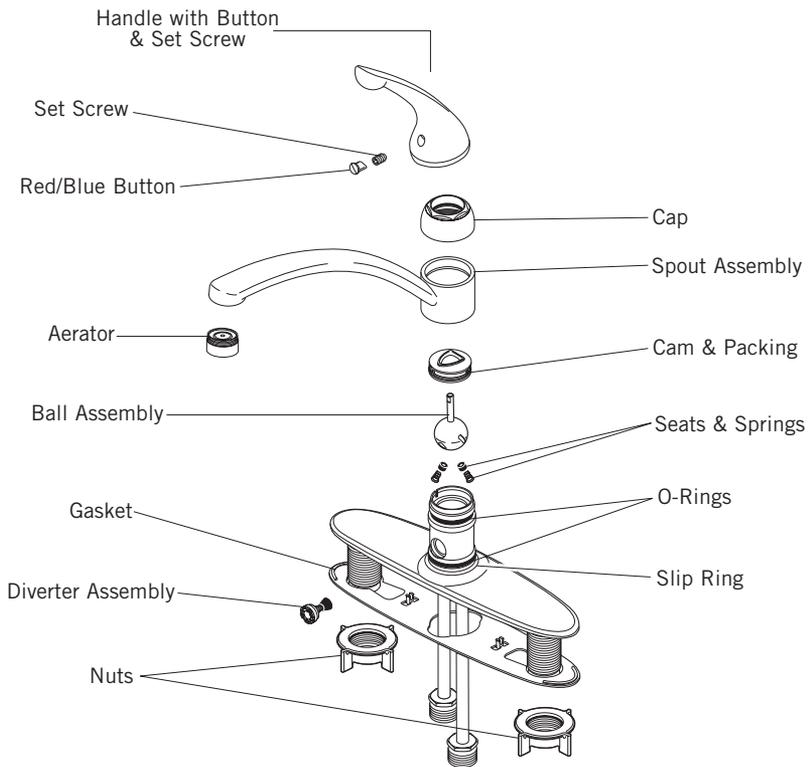


For DIAMOND Valve Models:

- **Turn** water off at the stops.
- **Unthread** cap.
- **Use** a wrench to tighten the bonnet nut. Be careful not to overtighten.
- **Replace** the handle.
- **Contact 1-800-345-DELTA (3358)** or visit deltafaucet.com/customer-support for assistance if you continue to experience issues.

For Ball Valve Models:

- **Replace** the seats and springs—which can become worn through normal use, depending on the water conditions in your area. To obtain replacement seats and springs, call **1-800-345-DELTA (3358)** or visit a local Delta Genuine Parts dealer.
- **Go to deltafaucet.com/customersupport** and choose the appropriate link or use the search tool for complete instructions on how to replace your faucet's seats and springs.



Visit the “How-To” Video Gallery on deltafaucet.com/videogallery or [YouTube.com/deltafaucet](https://www.youtube.com/deltafaucet) to watch a video demonstrating how to replace seats and springs.



Before you call.

What should I do if my two-handle kitchen or lavatory faucet drips from the spout?

For Two-Handle Faucets, First:

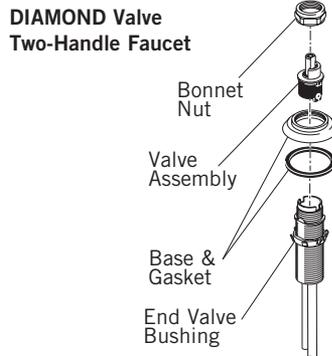
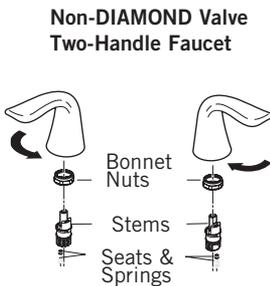
- **Check** under the sink to determine what type of valve is installed.
- **Look** for the supply tubes coming out from under your faucet. If they are flexible gray tubes, you have a model with a DIAMOND™ Valve. If you don't have gray PEX supply tubes, you most likely have a two-handle valve with seats and springs.

For DIAMOND Valve Models:

- **Refer** to the Installation Instructions/Owner's Manual (available on deltafaucet.com) for your specific model to ensure the handles are properly installed. If they are not correctly installed, the valves may not completely close, causing the spout to drip.
- **Reinstall** handles if necessary.
- **Contact 1-800-345-DELTA (3358)** or visit deltafaucet.com/customersupport for assistance if you continue to experience issues.

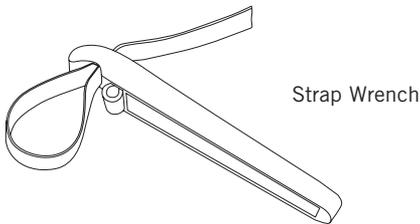
For Non-DIAMOND Valve Models:

- **Follow** the Early Maintenance instructions on page 3 of this guide.
- **Replace** the seats and springs (see illustration below) if the faucet continues to drip. To obtain replacement seats and springs, call **1-800-345-DELTA (3358)** or visit a local Delta® Genuine Parts dealer.
- **Visit deltafaucet.com/customersupport** and choose the appropriate link or use the search tool for complete instructions on how to replace your faucet's seats and springs.



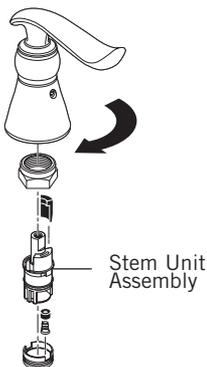
What should I do if my single- or two-handle faucet leaks under the handle?

- **Turn** water off at the stops.
- **Remove** the handle. (For single-handle DIAMOND Valve models, also remove the cap.)
- **Use** an adjustable wrench or channel locks to tighten the bonnet nut (on two-handle models and single-handle DIAMOND Valve models), or use a strap wrench to tighten the cap (on other single-handle models). If you don't have a strap wrench, put a towel over the cap to protect the finish and use channel locks.
- **Replace** the handle.

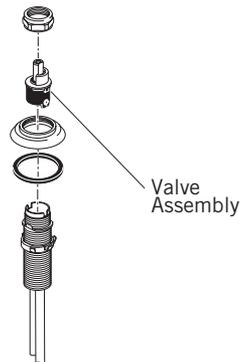


If that does not solve the problem, you may need to replace the cam assembly for a single-handle faucet with a ball valve (see illustration on page 14), or the stem unit assembly for a two-handle faucet (see illustration below). For single- and two-handle DIAMOND Valve models, you may need to replace the DIAMOND Valve assembly (see illustration below). Visit deltafaucet.com/customer-support for detailed instructions.

Non-DIAMOND Valve Two-Handle Faucet



DIAMOND Valve Two-Handle Faucet



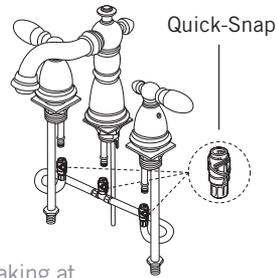
Before you call.

My two-handle widespread faucet is dripping underneath the counter. How can I fix it?

It is extremely rare for a faucet to develop a leak under the counter. Typically, leaks under the counter occur upon installation.

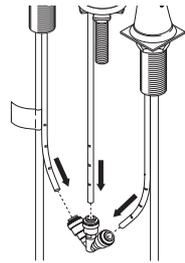
For Delta® Widespread Faucets with Quick-Snap® Installation:

If you have Quick-Snap connections and experience leaking at the connection points, the Quick-Snap connections may not have been properly installed. Visit deltafaucet.com/customer-support for detailed information on how to properly engage your Quick-Snap connections—or to find out how to solve the issue if your faucet does not have Quick-Snap connections.



For Delta Widespread Faucets with DIAMOND™ Seal Technology:

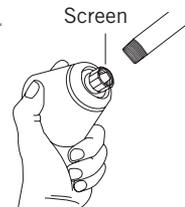
Two-handle faucets with DIAMOND Seal Technology feature a John Guest® push-connect fitting that securely joins the InnoFlex® PEX waterways in the handles to the spout inlet tube. If you experience leaking at one of these connection points, the John Guest fitting may not have been properly installed. If the leak is occurring at the connection between the waterways and the hot and/or cold water stops, the ferrule connection may not have been properly installed. Refer to the Installation Instructions/Owner's Manual (available on deltafaucet.com) for your specific model. You'll find information on how to release and reconnect the John Guest fitting, as well as how to ensure proper ferrule connections at the water stops.



What if water isn't flowing normally from my showerhead?

If you notice a performance issue, there may be debris caught in your showerhead. Follow these steps to solve:

- **Unscrew** showerhead from arm.
- **Turn** on water and run for 30 seconds to flush the shower arm.
- **Remove** black/gray debris screen.
- **Rinse** screen with water.
- **Soak** showerhead in a 50/50 vinegar and water solution for several hours.
- **Replace** debris screen.
- **Reinstall** the showerhead on the arm using plumber tape.
- **Turn** handle(s) to full-on hot and cold mixed position(s), and flush water through the showerhead for several minutes.



Smart features.



DIAMOND Seal Technology

Diamonds are the hardest substance known to man, and DIAMOND Seal Technology takes full advantage of this property. Exclusively from Delta Faucet, DIAMOND Seal Technology uses a valve with a tough diamond coating to bring you a faucet built to last up to five million uses. Plus, once water enters the faucet, it remains out of contact with potential metal contaminants.



Smart features.

Touch₂O[®] Technology

Delta[®] Touch₂O Technology allows you to turn the faucet on or off with just a touch—anywhere on the faucet's body or handle.

- **Simple:** A simple tap anywhere on the spout or handle intuitively turns the faucet on and off.
- **Clean:** When hands get messy, you can start the flow of water with a forearm or wrist, minimizing the potential for cross-contamination.
- **Efficient:** Turning the faucet on and off with just a tap makes everyday tasks easy. The tap feature also makes it simple to turn off the water flow when it's not needed between tasks, potentially conserving water.





Touch2O.xt™ Technology

Touch it on. Touch it off. Tap anywhere on the spout or handle or simply put your hands close to the faucet to intuitively activate the flow of water from Delta lavatory faucets featuring Touch2O.xt Technology.

- **A simple tap is all it takes:** With the handle in the ON position, tap anywhere on the spout or handle to activate the flow of water.
- **Hands-free operation:** Place your hands within four inches of the faucet and the water turns on. Remove them from the sensing field and the faucet turns off within seconds.
- **LED mode indicator:** A blue LED flashes in hands-free mode and remains constant when the touch feature is activated. When batteries need to be replaced, the LED turns red.
- **Water-efficient and clean:** Moving your hands out of range shuts off the water flow when it's not needed between tasks, potentially saving water. When hands are messy, you can activate the flow of water without touching the faucet, helping keep you and your bathroom clean.

Smart features.



H₂Okinetic® Technology

Prepare yourself for the feeling of more water. Delta® H₂Okinetic showers sculpt water into a unique wave pattern—giving you the feeling of more water without using more water. The secret is in the water droplets. Using proprietary technology, the larger droplets formed in an H₂Okinetic shower move in a unique wave pattern, helping them retain heat better and creating a warmer shower experience that blankets you with water. Why settle for an ordinary shower, when you can have an extraordinary shower experience?



MultiChoice® Universal Valve

Flexibility is the big benefit of the MultiChoice Universal valve. Once the MultiChoice Universal tub/shower valve is installed, future shower functionality upgrades or style changes can be made easily—without altering the plumbing behind the wall.



WaterSense® Labeled Lavatories

All Delta WaterSense labeled lavatories flow at 1.5 gallons per minute (gpm)—a 32% savings versus the industry standard*—without sacrificing the comfort and convenience of the user experience or the durability and life span of the product.

*Industry standard ASME A112.18.1/CSA B125.1 of 2.2 gpm.



WaterSense Labeled Shower Devices

Delta WaterSense labeled showerheads and handshowers, which flow at a water-efficient rate of 2.0 gpm or less, are available to coordinate with any faucet style, from traditional to contemporary, and any Delta bath collection. Many of these shower devices feature H₂Okinetic Technology, which makes less water feel like more, so you don't have to sacrifice your shower experience.

In2ition® Two-in-One Shower

With the In2ition Two-in-One Shower, you can get water where you need it most. The showerhead features a detachable handshower, which can run separately or simultaneously with the showerhead, giving you the warmth and flexibility of two streams of water at once. With a click on the handshower, you can adjust the flow of water, from relaxing massage to invigorating spray. Press the pause button, and the water slows to a trickle, allowing you to conserve water while doing tasks such as lathering up or shaving.



MagnaTite® Docking

Delta-exclusive MagnaTite docking keeps the kitchen pull-down spray wand firmly in place with a powerful integrated magnet, so it stays neatly in place when not in use.



Multi-Flow™ Technology

Delta kitchen faucets with Multi-Flow technology operate at a water-efficient 1.5 gpm for both spray and stream, but extra volume is just a touch away. With a simple touch of the toggle, you can switch to a higher flow for tasks requiring more water volume, such as filling the sink or large pots.

Palm® Shower

The Delta Palm Shower puts choice, control and durability in the palm of your hand. It offers simple, one-handed operation with a rubberized grip to hug your hand securely. Whether you are showering yourself, a young child or a pet, the ergonomically designed Palm Shower is the solution to soapy hands and hard-to-grip handles.

ActivTouch® Handshower

The ActivTouch handshower's ergonomic handle and three spray-selection buttons let you choose up to eight spray options with the one-handed push of a button. From a full body spray to a concentrated massage spray—and everything in between—it adds a custom touch to any shower.



Brilliance® Finishes

Delta *Brilliance* finishes, like the popular *Brilliance* Stainless, are developed using a patented process called Physical Vapor Deposition (PVD). *Brilliance* finish coating molecules are embedded deep into the faucet surface, creating a long-lasting bond. These beautiful finishes—which won't corrode, tarnish or discolor—are designed to look like new for life.



Touch-Clean® Spray Holes

Delta Touch-Clean soft, rubber spray holes allow you to easily wipe away calcium and lime buildup from the spray face of your showerhead, handshower or kitchen faucet sprayer—with just the touch of a finger.

H₂Okinetic Showerhead



Lifetime faucet and finish limited warranty.

Delta Faucet Company products are warranted to the original consumer purchaser. Please refer to the warranty enclosed with each Delta® product for specific details. Additional copies are available upon request. Delta electronic faucets come with a five-year limited warranty.

Have a question or need assistance?

Please call **1-800-345-DELTA (3358)** and one of our Customer Resource Representatives will be glad to help you.

And don't forget to register your faucets at **deltafaucet.com/warranty**.

For more detailed care and maintenance information, visit **deltafaucet.com/customersupport**.

*John Guest is a registered trademark of John Guest Limited.
WaterSense is a registered trademark of the U.S. Environmental Protection Agency.*



see what Delta can do™

A MASCO COMPANY

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