

DELTA 539-BLMPU-DST

Delta Faucet Velum Curved Spout Single Hole Bathroom Faucet Instruction Manual

Model: 539-BLMPU-DST

1. OVERVIEW

The Delta Faucet Velum Curved Spout Single Hole Bathroom Faucet (Model 539-BLMPU-DST) combines modern aesthetics with reliable performance. This manual provides essential information for installation, operation, maintenance, and troubleshooting to ensure optimal use of your faucet.

Key features include:

- **DIAMOND Seal Technology:** Reduces leak points and ensures long-lasting, leak-free operation.
- **WaterSense Labeled:** Uses at least 20% less water than the industry standard.
- **Durable Finish:** Designed to resist corrosion, tarnishing, and discoloration.
- **Easy Installation:** Accommodates single-hole or 3-hole configurations with an included deck plate.
- **ADA Compliant:** Meets standards set by the Americans with Disabilities Act.
- **Lead-Free Compliant:** Meets or exceeds applicable product performance and U.S. safety industry standards.



Image 1.1: The Delta Velum Curved Spout Single Hole Bathroom Faucet in Matte Black.

2. SAFETY INFORMATION

Please read all instructions carefully before installation and use. Failure to follow these instructions may result in property damage or personal injury.

- Always turn off the main water supply before beginning any installation, repair, or maintenance.
- Wear appropriate personal protective equipment, such as safety glasses, during installation.

- If you are unsure about any step, consult a qualified plumber.
- Ensure all local plumbing codes are followed during installation.
- This faucet is certified to NSF/ANSI Standard 61 and is lead-free compliant.

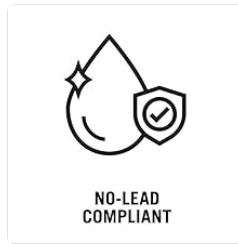


Image 2.1: No-Lead Compliant Icon, indicating the faucet meets safety standards.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Faucet Assembly
- Handle
- Deck Plate (optional, for 3-hole installation)
- Mounting Hardware
- Pop-Up Drain Assembly
- Integrated Supply Lines (InnoFlex PEX)

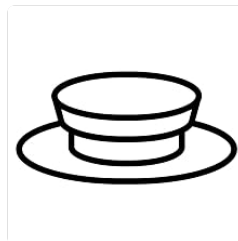


Image 3.1: Included Pop-Up Drain Assembly.

4. INSTALLATION

4.1 Before You Begin

- Turn off the water supply to the installation area.
- Clear the area under the sink for easy access.
- Ensure your sink configuration is suitable for a single-hole or 3-hole, 4-inch faucet.

4.2 Tools Required (Not Included)

- Adjustable Wrench
- Phillips Screwdriver
- Plumber's Putty or Silicone Sealant
- Safety Glasses

4.3 Step-by-Step Installation

1. **Prepare the Sink:** Clean the faucet mounting area on the sink. If installing on a 3-hole sink, place the optional deck plate over the outer holes.

2. **Install Faucet:** Insert the faucet body through the center hole of the sink (and deck plate, if used). Secure the faucet from underneath the sink using the provided mounting hardware. Ensure the faucet is properly aligned.
3. **Connect Supply Lines:** The faucet comes with integrated InnoFlex PEX supply lines. Connect these lines to your hot and cold water supply valves. Hand-tighten, then tighten an additional 1/4 turn with a wrench. Do not overtighten.
4. **Install Drain Assembly:** Follow the instructions provided with the pop-up drain assembly to install it into the sink drain hole. Ensure a watertight seal using plumber's putty or silicone sealant.
5. **Test for Leaks:** Once all connections are secure, slowly turn on the main water supply. Check all connections for leaks. If leaks occur, tighten connections as needed.

HOLES FOR INSTALLATION	DIMENSIONS
 1 HOLE 3 HOLE	 SPOUT REACH 5 inches HEIGHT 7.56 inches OPTIONAL DECK PLATE (Included) Covers pre-existing holes 6 inches wide
ADDITIONAL INFORMATION MINIMUM CLEARANCE TO BACKSPLASH 2.5 inches DRAIN ASSEMBLY Included SUPPLY LINES Included MAXIMUM DECK THICKNESS 2.5 inches HOLE SIZE 1.13–1.5 inches WATER SUPPLY CONNECTION 3/8 inch 	NO-LEAD COMPLIANT: Every Delta® faucet is certified to NSF/ANSI Standard 61, which sets the criteria for product safety. Not all faucets are certified, so always check for certification when buying a faucet.

Image 4.1: Faucet dimensions and hole requirements for installation. Note the 1-hole or 3-hole options and the optional deck plate.

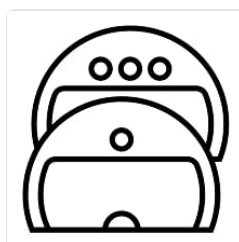


Image 4.2: Diagram showing compatibility with 1 or 3-hole sink installations.

INNOFLEX[®]

PEX SUPPLY LINES



INTEGRATED INTO THE FAUCET

MADE TO RESIST CRACKS, KINKS AND CORROSION



Image 4.3: InnoFlex PEX supply lines, integrated into the faucet for durability and ease of installation.

5. OPERATION

The Delta Velum faucet features a single lever handle for controlling both water temperature and flow.

- **Water Flow:** Lift the handle upwards to increase water flow. Push it downwards to decrease or turn off the water.
- **Temperature Control:** Move the handle to the left for hot water and to the right for cold water. Adjust the position between left and right to achieve the desired water temperature.

This faucet is WaterSense labeled, meaning it is designed to conserve water without sacrificing performance. You may notice a slightly reduced flow rate compared to non-WaterSense faucets, which is intentional for water efficiency.



Image 5.1: WaterSense label, indicating water efficiency.

6. MAINTENANCE AND CARE

Proper care will ensure the longevity and appearance of your Delta Faucet.

- **Cleaning the Finish:** To maintain the matte black finish, clean with a soft, damp cloth. Avoid abrasive cleaners, harsh chemicals, or scouring pads, as these can damage the finish and void the warranty.
- **Aerator Maintenance:** Periodically unscrew the aerator from the spout tip and rinse away any mineral deposits or debris. This helps maintain optimal water flow.
- **DIAMOND Seal Technology:** The patented DIAMOND Seal Technology uses a diamond-coated ceramic disc valve, which eliminates wear on seals. This design reduces leak points and ensures leak-free operation for the life of the faucet, requiring minimal internal maintenance.

**LASTS
2X
LONGER**

**— THAN —
INDUSTRY STANDARD***

DIAMOND™ Valve
eliminates wear on
seals ensuring
LEAK-FREE OPERATION
for the life of
the faucet

InnoFlex® PEX
supply lines
are integrated into
the faucet for
ONE LESS LEAK POINT

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

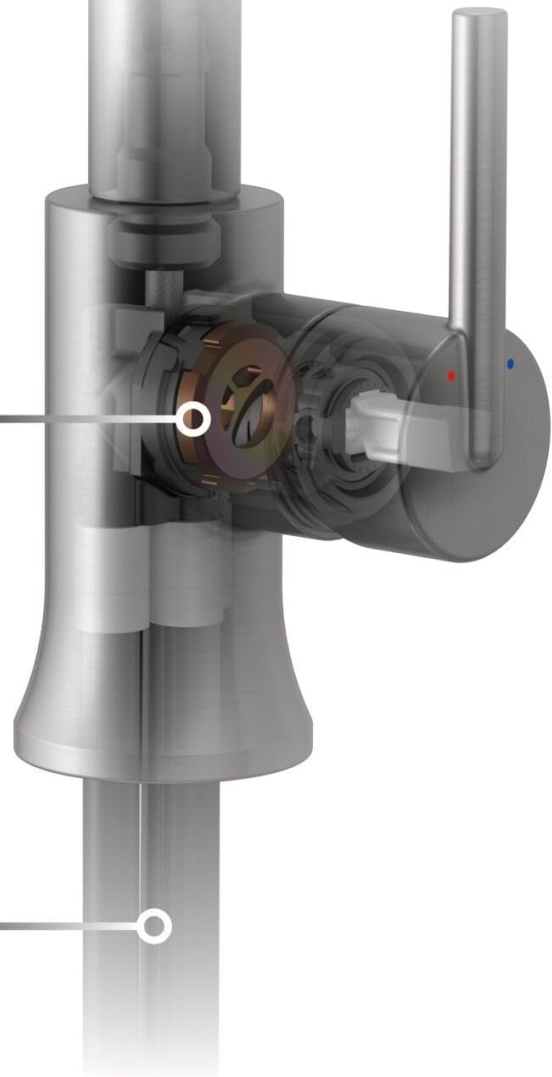


Image 6.1: Diagram illustrating DIAMOND Seal Technology, which ensures leak-free operation.



Image 6.2: Ceramic disc valve, a key component of DIAMOND Seal Technology.

7. TROUBLESHOOTING

If you experience issues with your faucet, refer to the common problems and solutions below. For persistent problems, contact customer support.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Low Water Flow	Clogged aerator; partially closed supply stop; debris in supply lines.	Clean aerator; fully open supply stops; flush supply lines.
Faucet Leaks from Spout	Debris in valve; worn out cartridge.	Flush faucet; replace cartridge (contact support for parts).
Leaks from Base of Faucet	Loose mounting nuts; improper sealing.	Tighten mounting nuts; reapply plumber's putty or sealant.
Difficulty Operating Handle	Mineral buildup; internal component issue.	Clean around handle base; contact support for further diagnosis.

8. SPECIFICATIONS

Specification	Detail
Brand	DELTA
Model Name	Velum™
Model Number	539-BLMPU-DST
Recommended Use	Bathroom
Mounting Type	Deck Mount (Single Hole)
Finish Type	Matte Black
Material	Brass
Number Of Handles	1
Hole Count	1 (or 3 with included deck plate)
Handle Type	Lever
Valve Type	Disc Valve (DIAMOND Seal Technology)
Spout Design	Curved Spout
Item Weight	1.86 kg
Item Dimensions (D x W x H)	15.9D x 15.2W x 19.2H centimetres
UPC	195205081036

9. WARRANTY INFORMATION

This Delta Faucet is backed by a Lifetime Limited Warranty. This warranty covers defects in materials and

manufacturing for as long as the original consumer purchaser owns their home. For full warranty details and claims, please refer to the official Delta Faucet website or contact customer support.



Image 9.1: Lifetime Limited Warranty icon.

10. SUPPORT

For further assistance, technical support, or to order replacement parts, please visit the official Delta Faucet website or contact their customer service department. Contact information can typically be found on the Delta Faucet website or in the packaging materials.

Website: www.deltafaucet.com