

## Sloan 3082453

# Sloan Regal 180 Exposed Manual Urinal Flushometer 3.5 GPF

## Instruction Manual

### 1. PRODUCT OVERVIEW

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The Sloan Regal 180 Exposed Manual Urinal Flushometer is a robust and reliable plumbing solution designed for commercial and industrial restroom applications. This model features a 3.5 Gallons Per Flush (GPF) valve, ensuring efficient water usage while maintaining effective flushing performance. Its polished chrome finish provides a clean and professional aesthetic.

- **Accurate Flush Volume:** Designed with a non-hold-open handle and no external volume adjustment, promoting water conservation.
- **Vacuum Breaker Flush Connection:** Prevents backflow, ensuring hygienic operation.
- **Durable Construction:** Made with high copper, low zinc brass castings for dezincification resistance, suitable for commercial environments.
- **Easy Installation:** Includes a sweat solder adapter and cover tube for a secure connection.
- **Control Stop Plug:** Facilitates easy maintenance and water flow adjustment.
- **ADA Compliant:** Features an ADA-compliant metal oscillating non-hold-open handle for accessibility.



Image 1: The Sloan Regal 180 Exposed Manual Urinal Flushometer in polished chrome finish.

## 2. SETUP AND INSTALLATION

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Installation of the Sloan Regal 180 Flushometer should be performed by a qualified plumber in accordance with local plumbing codes. Ensure all water supply lines are shut off before beginning installation.

1. **Prepare the Water Supply:** Ensure the 1" I.P.S. screwdriver Bak-Chek angle stop is properly installed and secured to the water supply line.
2. **Mount the Flushometer:** Attach the flushometer body to the angle stop. The cast wall flange with a set screw ensures a stable and secure installation on the wall.
3. **Connect to Urinal:** Utilize the sweat solder adapter and cover tube to connect the flushometer to the urinal's top spud. Ensure all connections are tight and leak-free.
4. **Test for Leaks:** Slowly turn on the main water supply and check all connections for any signs of leakage.
5. **Adjust Water Flow:** Use the control stop plug to fine-tune the water flow as needed.



Image 2: Sloan Regal 180 Flushometer correctly installed on a urinal.



Image 3: Side view of the Sloan Regal 180 Flushometer installation.

### 3. OPERATING INSTRUCTIONS

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The Sloan Regal 180 Flushometer is designed for simple and consistent operation.

1. **Initiate Flush:** Firmly push or pull the non-hold-open handle. The handle will return to its original position automatically after initiating the flush cycle.
2. **Water Flow:** Water will flow through the urinal for a predetermined duration, delivering 3.5 gallons per flush.

Video 1: Official Sloan Regal Flushometer demonstration, showing the flushing action and product features.

## 4. MAINTENANCE

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Regular maintenance ensures optimal performance and longevity of your Sloan Regal 180 Flushometer.

- **Cleaning:** Clean the exterior chrome finish with a mild, non-abrasive cleaner and a soft cloth. Avoid harsh chemicals that can damage the finish.
- **Diaphragm Inspection:** Periodically inspect the diaphragm assembly for wear or damage. A worn diaphragm can lead to continuous flushing or insufficient water flow. Replacement diaphragms are available from Sloan.
- **Inlet Valve Check:** If water flow is weak or inconsistent, check the inlet valve for any obstructions or debris. The control stop plug can be used to temporarily shut off water for inspection.



Image 4: Example of a diaphragm component, crucial for flushometer function.

## 5. TROUBLESHOOTING

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| Problem                  | Possible Cause   | Solution   |
|--------------------------|--|--|
| Continuous flushing      | Worn or damaged diaphragm; debris in valve.                                | Replace diaphragm; clean valve components.                           |
| Weak or incomplete flush | Insufficient water pressure; partially closed control stop; clogged inlet. | Check building water pressure; fully open control stop; clean inlet. |
| Leaking from connections | Loose connections; worn gaskets.   | Tighten connections; replace gaskets.                                |

## 6. SPECIFICATIONS

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- **Material:** Brass
- **Exterior Finish:** Polished Chrome
- **Item Dimensions (L x W x H):** 9.75 x 9.13 x 4.38 inches
- **Inlet Connection Size:** 1 Inches

- **Inlet Connection Type:** Sweat
- **Outlet Connection Type:** Fixture Top Spud
- **Outlet Connection Size:** 1.25 Inches
- **Maximum Operating Pressure:** 80 Pound per Square Inch
- **Valve Type:** Diaphragm Valve
- **Size:** 3.5 GPF (Gallons Per Flush)
- **Specification Met:** ADA Compliant
- **Model Number:** 3082453
- **UPC:** 671254123472, 735090020934

## 7. WARRANTY AND SUPPORT

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The Sloan Regal 180 Exposed Manual Urinal Flushometer comes with a **3 Year Limited Warranty** from the manufacturer, Sloan Valve Co. For detailed warranty information, technical support, or to purchase replacement parts, please visit the official Sloan website or contact their customer service department. You can also visit the [Sloan Store on Amazon](#) for more products and information.