

Sloan Regal 111

Sloan Regal 111 Exposed Manual Water Closet Flushometer (1.6 GPF) Instruction Manual

Model: Regal 111 | Brand: Sloan

1. INTRODUCTION AND OVERVIEW

This manual provides detailed instructions for the installation, operation, and maintenance of the Sloan Regal 111 Exposed Manual Water Closet Flushometer. Designed for commercial applications, this 1.6 GPF manual flush valve offers reliable performance and water conservation. Its polished chrome finish ensures durability and a professional appearance in any restroom environment.

2. KEY FEATURES

- **Water Conservation:** Low Consumption 1.6 GPF accuracy controlled by Para-Flo Technology. The non-hold-open handle and absence of external volume adjustment help conserve water by ensuring that only the necessary amount of water is used for each flush.
- **Vacuum Breaker Flush Connection:** Equipped with a vacuum breaker flush connection, preventing backflow and ensuring hygienic operation.
- **Commercial Application Suitability:** Designed for commercial use, making it ideal for public restrooms, commercial buildings, and other high-traffic areas. Durability is facilitated with high copper, low zinc brass castings for dezincification resistance.
- **Sweat Solder Adapter:** Comes with a sweat solder adapter and cover tube, providing a secure and leak-free connection to the water supply.
- **Control Stop Plug:** Product integrity is maintained with a control stop plug, allowing for easy maintenance and adjustment of water flow.
- **Bak-Chek Angle Stop:** Equipped with a 1" I.P.S. screwdriver Bak-Chek angle stop, providing precise control over water flow and shut-off.
- **Cast Wall Flange:** Features a cast wall flange with a set screw, ensuring a stable and secure installation on almost any wall.
- **ADA Compliant:** Features an ADA-compliant metal oscillating non-hold-open handle, ensuring easy operation and accessibility for individuals with disabilities.

3. SETUP AND INSTALLATION

Installation of the Sloan Regal 111 Flushometer should be performed by a qualified professional to ensure proper function and compliance with local plumbing codes. The unit is designed for exposed installation on water closets with a top spud connection.

3.1 Components Overview



Figure 1: Front view of the Sloan Regal 111 Flushometer, showcasing its polished chrome finish and manual handle.



Figure 2: Side view of the flushometer, highlighting the inlet connection and the manual flush handle.

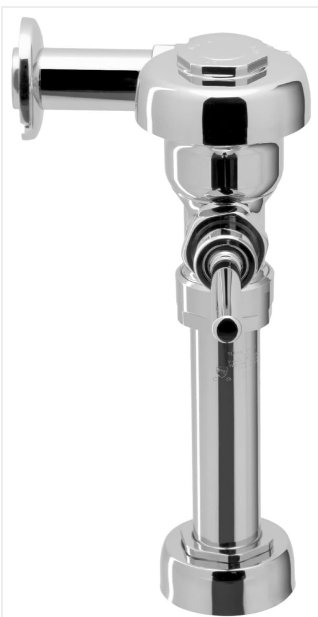


Figure 3: Angled view of the flushometer, showing the overall compact design and connection

points.

3.2 Installation Steps (General)

1. **Prepare Water Supply:** Ensure the main water supply to the restroom is shut off.
2. **Mount Wall Flange:** Secure the cast wall flange to the wall using appropriate fasteners.
3. **Connect Inlet:** Attach the 1" I.P.S. screwdriver Bak-Chek angle stop to the water supply line. Connect the flushometer to the angle stop using the sweat solder adapter and cover tube.
4. **Connect Outlet:** Secure the flushometer's outlet to the fixture top spud of the water closet.
5. **Install Vacuum Breaker:** Ensure the vacuum breaker flush connection is properly installed to prevent backflow.
6. **Restore Water and Test:** Slowly turn on the main water supply. Check all connections for leaks. Operate the flushometer several times to ensure proper function and adjust the flow as needed using the control stop plug.

Video 1: An official Sloan video demonstrating the Sloan Regal Flushometer. This video provides a visual overview of the product and its functionality, including a brief demonstration of the flush mechanism.

4. OPERATING INSTRUCTIONS

The Sloan Regal 111 Flushometer features a simple and intuitive manual operation. To activate the flush, firmly push down on the metal oscillating handle. The non-hold-open design ensures that the valve automatically closes after delivering the preset 1.6 gallons of water, promoting water conservation.



Figure 4: The Sloan Regal 111 Flushometer shown installed on a water closet, illustrating its integration with the fixture.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Sloan Regal 111 Flushometer.

5.1 Routine Cleaning

Clean the polished chrome exterior with a soft cloth and mild, non-abrasive cleaner. Avoid harsh chemicals or abrasive tools that could damage the finish.

5.2 Diaphragm and Internal Components

The flushometer's diaphragm and internal components are crucial for its operation. If the valve experiences issues such as continuous flushing or weak flush, it may indicate a need to inspect or clean these internal parts. The control stop plug allows for easy shut-off of water to the unit for servicing. Refer to the detailed service manual for specific instructions on disassembling and reassembling internal components.



Figure 5: A cutaway view of the Sloan Regal 111 Flushometer, revealing its internal diaphragm and valve mechanisms.

6. TROUBLESHOOTING

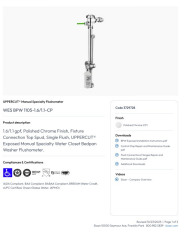
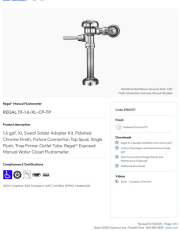
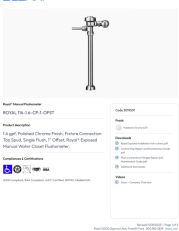
If you encounter issues with your flushometer, consider the following common problems and solutions:

- **Continuous Flushing:** This can often be caused by debris or sediment in the inlet valve or a worn diaphragm. Turn off the water supply at the Bak-Chek angle stop, disassemble the top cover, and inspect/clean the diaphragm and valve seat.
- **Weak Flush:** Check the water pressure at the inlet. Ensure the Bak-Chek angle stop is fully open. A clogged diaphragm or debris in the valve can also restrict water flow.
- **No Flush:** Verify that the water supply is on and the angle stop is open. Check for any obstructions in the handle mechanism.

For persistent issues, it is recommended to contact a qualified plumber or Sloan technical support.

7. SPECIFICATIONS

Attribute	Value
Material	Brass
Exterior Finish	Polished Chrome
Item Dimensions (L x W x H)	16 x 9.13 x 4.63 inches
Inlet Connection Size	1 Inches

 <p>Sloan UPPERCUT® Manual Specialty Flushometer WES BPW 1105-1.6/1.1-CP</p> <p>Product Description: 1.1 gpf Polished Chrome Flushometer Connection: Top Spud Single Flush UPPERCUT® Material: Polished Chrome Finish: Polished Chrome Compliance: ADA, BAA, BREEAM, cUPC, Green Globes, and IAPMO standards</p>	<p>Sloan UPPERCUT® Manual Specialty Flushometer WES BPW 1105-1.6/1.1-CP Technical Specifications</p> <p>Detailed technical specifications for the Sloan UPPERCUT® Manual Specialty Flushometer, model WES BPW 1105-1.6/1.1-CP. Features include 1.6/1.1 gpf flush volume, polished chrome finish, top spud connection, and PERMEX® diaphragm. Compliant with ADA, BAA, BREEAM, cUPC, Green Globes, and IAPMO standards.</p>
 <p>Sloan Regal 111-1.6-XL-CP-TP Manual Flushometer 1.6 gpf</p> <p>Product Description: 1.6 gpf Polished Chrome Flushometer Connection: Top Spud Single Flush UPPERCUT® Material: Polished Chrome Finish: Polished Chrome Compliance: ADA, BAA, BREEAM, cUPC, Green Globes, and IAPMO standards</p>	<p>Sloan Regal 111-1.6-XL-CP-TP Manual Flushometer Specifications</p> <p>Discover the Sloan Regal 111-1.6-XL-CP-TP, a 1.6 gpf manual water closet flushometer featuring a polished chrome finish, XL sweat solder adapter kit, and trap primer outlet tube. Designed for water efficiency and durability, it meets ADA and cUPC standards.</p>
 <p>Sloan Royal 114-1.6-CP-1-OFST Manual Flushometer 1.6 gpf</p> <p>Product Description: 1.6 gpf Polished Chrome Flushometer Connection: Top Spud Single Flush UPPERCUT® Material: Polished Chrome Finish: Polished Chrome Compliance: ADA, BAA, BREEAM, cUPC, Green Globes, and IAPMO standards</p>	<p>Sloan Royal 114-1.6-CP-1-OFST Manual Flushometer - Technical Specifications</p> <p>Detailed specifications for the Sloan Royal 114-1.6-CP-1-OFST manual flushometer, including product description, features, dimensions, operating pressure, and compliance information.</p>