

Sloan 3782643

Sloan 186-0.125 Exposed Manual Urinal Flushometer User Manual

Model: 3782643

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of the Sloan 186-0.125 Exposed Manual Urinal Flushometer. This product is designed for commercial urinal applications, offering reliable and water-efficient flushing.

Please read this manual thoroughly before installation and operation to ensure proper function and longevity of the unit. Retain this manual for future reference.

2. SAFETY INFORMATION

- Always shut off the main water supply before beginning any installation or maintenance.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves, during installation and maintenance.
- Ensure all connections are secure and leak-free to prevent water damage.
- If you are unsure about any step, consult a qualified plumber.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 warning).

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Sloan 186-0.125 Exposed Manual Urinal Flushometer unit
- Sweat solder adapter and cover tube
- 3/4" I.P.S. screwdriver Bak-Chek angle stop with vandal resistant stop cap
- High back pressure vacuum breaker (15") with flush connection
- Installation hardware (gaskets, nuts, etc.)



Image 3.1: Main view of the Sloan 186-0.125 Exposed Manual Urinal Flushometer, showing its polished chrome finish and components.

4. SPECIFICATIONS

Product Specifications

Feature	Detail
Model Number	3782643
Flush Volume	0.125 Gallons Per Flush (GPF)
Material	Brass
Exterior Finish	Polished Chrome
Inlet Connection Size	0.75 Inches
Inlet Connection Type	Sweat Adaptor
Outlet Connection Type	Fixture Top Spud
Maximum Operating Pressure	80 PSI
ADA Compliant	Yes
Dimensions (L x W x H)	9.75 x 9.13 x 4.38 inches
Item Weight	6.09 pounds

5. INSTALLATION (SETUP)

Follow these steps for proper installation of the flushometer:

- 1. Prepare Water Supply:** Ensure the main water supply to the urinal is turned off. Flush the line to clear any debris.

2. **Install Angle Stop:** Install the 3/4" I.P.S. screwdriver Bak-Chek angle stop with the vandal resistant stop cap onto the water supply pipe. Ensure it is securely tightened.
3. **Connect Flushometer Body:** Attach the flushometer body to the angle stop. Use the sweat solder adapter and cover tube for a secure and leak-free connection.
4. **Install Vacuum Breaker:** Connect the high back pressure vacuum breaker (15") to the flushometer outlet and then to the urinal's top spud. Ensure all gaskets are properly seated and connections are hand-tightened, then use a wrench for a final snug fit.
5. **Adjust Flushometer:** The flushometer is designed with no external volume adjustment. The 0.125 GPF is factory set.
6. **Check for Leaks:** Slowly turn on the main water supply. Inspect all connections for leaks. Tighten any leaking connections as necessary.
7. **Test Flush:** Activate the flushometer handle to ensure proper operation and water flow to the urinal.



Image 5.1: Exploded view or diagram of a Sloan flushometer, illustrating various components and their assembly points for installation.

6. OPERATION

The Sloan 186-0.125 Exposed Manual Urinal Flushometer operates with a simple manual action:

- To flush the urinal, press down firmly on the metal oscillating handle.
- The handle is designed with a non-hold-open feature, meaning it will return to its original position automatically after a flush cycle, preventing continuous water flow and promoting water conservation.
- The flushometer delivers a precise 0.125 GPF (Gallons Per Flush) for efficient urinal rinsing.



Image 6.1: Close-up view of the Sloan flushometer, highlighting the manual oscillating handle used for operation.

7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your flushometer:

- **Cleaning:** Clean the exterior polished chrome finish with a soft cloth and mild, non-abrasive cleaner. Avoid harsh chemicals or abrasive pads, which can damage the finish.
- **Diaphragm and Seals:** The diaphragm, handle packing, and vacuum breaker components are molded from PERMEX rubber compound. This material is resistant to chloramine, enhancing durability. Periodically inspect these components for wear or damage. Replace if necessary.
- **Bypass and Vortex Cleansing:** The dual filtered bypass and vortex cleansing action help maintain the flushometer's efficiency. If flushing performance degrades, internal components may require inspection and cleaning by a qualified technician.
- **Angle Stop:** The Bak-Chek angle stop allows for water shut-off to the flushometer for maintenance without affecting the main water supply. Ensure it functions correctly.

8. TROUBLESHOOTING

Refer to the table below for common issues and their potential solutions:

Problem	Possible Cause	Solution
Low flush volume or weak flush	<ul style="list-style-type: none">◦ Partially closed angle stop◦ Clogged bypass in diaphragm◦ Low water pressure	<ul style="list-style-type: none">◦ Fully open the angle stop.◦ Clean or replace the diaphragm.◦ Verify adequate building water pressure.
Continuous water flow	<ul style="list-style-type: none">◦ Worn or damaged diaphragm◦ Debris in the valve seat	<ul style="list-style-type: none">◦ Replace the diaphragm.◦ Disassemble and clean the valve.
Handle does not return to original position	<ul style="list-style-type: none">◦ Worn handle packing◦ Damaged handle assembly	<ul style="list-style-type: none">◦ Replace handle packing.◦ Replace handle assembly.
Leaks from connections	<ul style="list-style-type: none">◦ Loose connections◦ Damaged gaskets	<ul style="list-style-type: none">◦ Tighten connections.◦ Replace gaskets.

For issues not listed or if troubleshooting steps do not resolve the problem, contact Sloan customer support or a qualified plumbing professional.


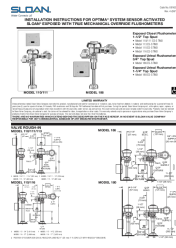

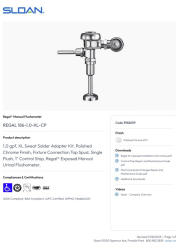


9. WARRANTY AND SUPPORT

Sloan products are manufactured to high standards and are backed by a manufacturer's warranty. For specific warranty details, please refer to the documentation included with your purchase or visit the official Sloan website.

For technical support, replacement parts, or further assistance, please contact Sloan customer service. Contact information can typically be found on the Sloan website or product packaging.

Online Resources: For additional information and resources, visit the [Sloan Brand Store on Amazon](#).

Related Documents - 3782643

	<p>Sloan 186-0.5 Manual Flushometer - Specifications and Installation</p> <p>Detailed specifications, features, compliances, and rough-in diagram for the Sloan 186-0.5 manual urinal flushometer with a 0.5 gpf flush volume and polished chrome finish.</p>
	<p>Sloan Optima System Sensor Activated Flushometer Installation Instructions</p> <p>Comprehensive installation guide for Sloan Optima System Sensor Activated Exposed Flushometers with True Mechanical Override, covering models 110, 111, 113, 115, 116, 180, and 186. Includes setup, electrical hook-up, troubleshooting, and parts list.</p>
	<p>Sloan Naval Flushometer Repair Parts and Maintenance Guide</p> <p>Comprehensive repair parts and maintenance guide for the Sloan Naval Flushometer, including troubleshooting tips, parts lists, and component diagrams. Covers models compatible with Crown, Star, and Marine flushometers.</p>
	<p>Sloan Regal 186-1.0-XL-CP Exposed Manual Urinal Flushometer - Product Specifications</p> <p>Detailed product information for the Sloan Regal 186-1.0-XL-CP, an exposed manual urinal flushometer. Includes specifications, features, compliances, and rough-in dimensions.</p>
	<p>Sloan Royal 186-1.0 Manual Urinal Flushometer Specifications</p> <p>Comprehensive technical specifications for the Sloan Royal 186-1.0 Manual Urinal Flushometer. Details include 1.0 gpf flush volume, polished chrome finish, diaphragm valve, semi-red brass construction, and ADA compliance. Features PERMEX® diaphragm and Bak-Chek® angle stop. Includes rough-in dimensions and compliance information.</p>
	<p>Sloan ECOS® Electronic Flushometer Installation Instructions</p> <p>Comprehensive installation guide for Sloan ECOS® Single and Dual-Flush Electronic Complete Valve and Retrofit Installations, covering new installations, RESS series conversions, and troubleshooting.</p>

