

**SLOAN**<sup>®</sup>  
Water Connects Us<sup>®</sup>

## Flushometer Full Line Collection

Leading Innovation Since 1906





Shown: Royal® 111 Flushometer with ST-2459 Wall Hung Water Closet.

# Flushometer Full Line Collection

Sloan invented the first flushometer more than 110 years ago. We have continued to be the pioneer in commercial restroom technology ever since. With the improvement in our technology, we have built the broadest offering of flushometers and accompanying products including fixtures, sinks, faucets, soap dispensers, and more. To this day, we work to create restroom solutions with breakthrough innovation, unmatched engineering and unwavering dedication to performance and water savings.

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## Innovation

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## Symbol Key

 Available with Bluetooth and Sloan Connect

 Ultra High efficiency (water closet flushometers offering single flush 1.1 or dual-flush 1.28 / 1.1 gpf options)

 Battery

 Hardwired

 Battery with solar harvesting

Sloan offers 1.1, 1.28, 1.6, and 3.5 gpf for most flushometers for water closets and 0.125, 0.25, 0.5, 1.0, and 1.5 gpf for most flushometers for urinals.



## Over a century of innovation

As the world’s leading manufacturer of commercial restroom products, we’ve spent more than a century pioneering smart, water-saving solutions that are built to last a lifetime. Sustainability and innovation make our products the right choice for architects, designers, engineers, contractors, and building owners.

With Sloan flushometers, you will always find quality, reliability, and options in a wide array of commercial restroom applications. The following pages represent the latest innovations we’ve launched that will shape the future of the commercial restroom experience.

## Our latest flushometer innovations



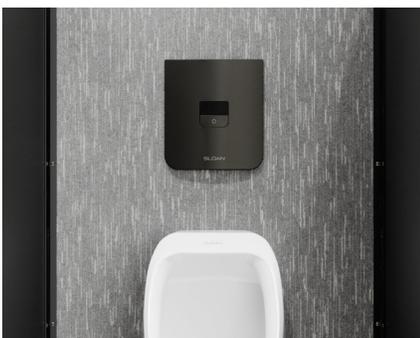
**Bluetooth SOLIS®, G2, ECOS®  
Flushometers**



**Dual Flush ECOS and ECOS  
retrofit Battery Models**



**Sensor 1.1 gpf Flushometers**



**CX 0.125 gpf Flush Volume**



**Royal® ESS TMO SBX  
Concealed Flushometer**



**Royal CuVerro® Flushometers**

# CX Flushometer

The concealed flushometer everyone will get behind.

## 70% smaller wall plate than the industry standard

We developed the industry's smallest front access wall panel, nearly 70% smaller than the industry standard. We built it to be vandal resistant, ensuring impressive product longevity that won't tarnish over time.

## 5 attractive finishes, including our new Graphite

With a choice of Polished Chrome or 4 attractive PVD finishes, including our newest color, Graphite, the CX allows you to make the statement of your choice that elevates your restrooms.

## Simplified installation with an all-vertical, in-line rough-in

The CX streamlines the installation process. Instead of bringing the valve to the plumbing, the CX features an integrated control stop and adjustable flush connection, with an all-vertical, in-line, rough-in that allows the installer to bring the plumbing to the valve.

## Regain up to 60% plumbing chase space

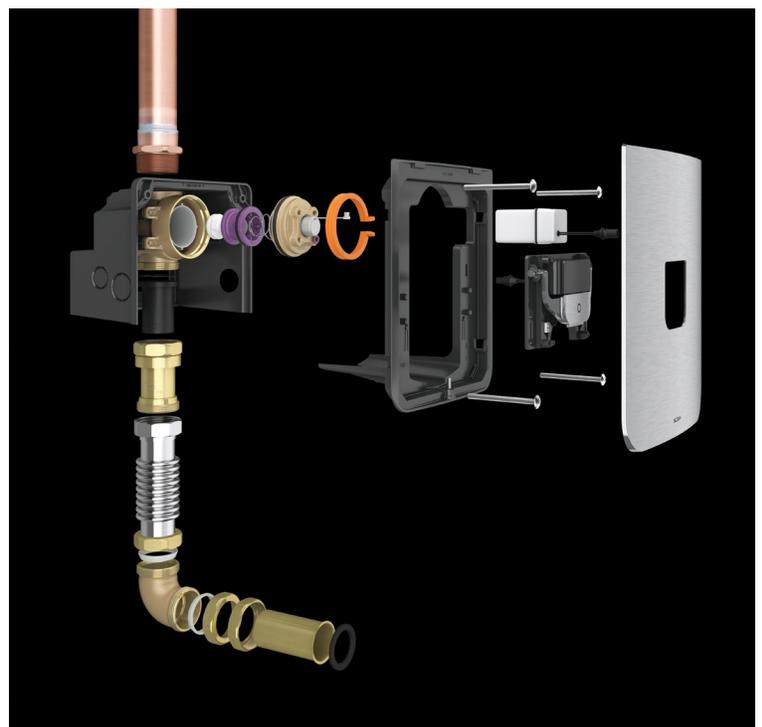
Not only is CX pleasing to the eye, it doesn't require a rear access plumbing chase, meaning up to 60% more usable space in every restroom.

## Easy servicing from the front

Once installed, all the servicing of repair parts can be done single-handedly in front of the wall, through the wall plate using half the labor. No longer do facility managers need to navigate, narrow, congested plumbing chases for routine repairs.

Available in manual or sensor for water closets and urinals. Sensor comes standard with battery or hardwired functionality.

Learn more at [sloan.com/cx-flushometer](https://sloan.com/cx-flushometer)





## Sloan Connected Products

Say hello to Sloan's newest line of connected products. Sloan now offers flushometers that use Bluetooth connectivity and advanced technology to make managing usage and tracking easy.

### Save time

Quickly change settings and run diagnostics in the app

### Monitor usage

Perform preventative maintenance before an issue arises

### Shorten repair time

Know what parts are needed before servicing begins

### Lower costs

Only replace what you need, when you need it

### Increase water efficiency

Adjust sensor range and customize timeouts

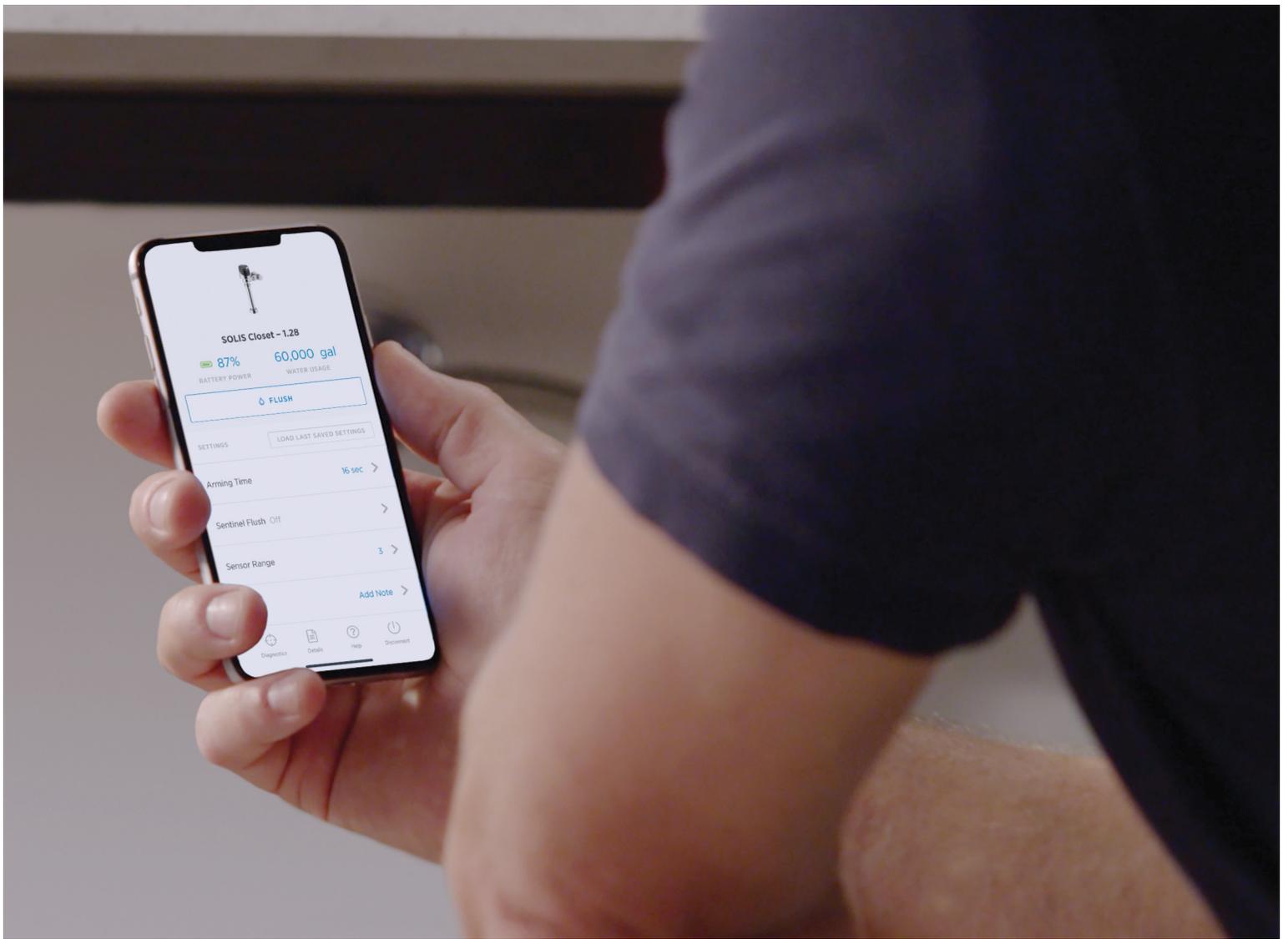
### Troubleshoot issues

Diagnostics program helps quickly identify solutions

### Reduce risk

Programmed line flush helps keep lines clear and users safe

Learn more at [sloan.com/connected-products](https://sloan.com/connected-products)



## Sloan Connect App<sup>®</sup>

Wirelessly monitor the health and status of your fixtures, easily generate and share diagnostic reports, quickly access product technical data, and more.

### View Status

See how your Bluetooth-connected faucets and flushometers are performing.

### Adjust Settings

Quickly adjust settings wirelessly to reduce maintenance time and cost.

### Run Diagnostics

Access technical data and share diagnostic reports for swift and easy maintenance and troubleshooting.



Download the Sloan Connect App from your preferred platform.

SENSOR



Sensor Flushometers

**Hands-free  
operations for  
hygienic  
convenience.**

# Sensor Top Mount Battery Flushometers

Sloan's innovative top-mount sensor flushometers provide a sleek, distinctive appearance while delivering a hygienic, hands-free experience for users. They are battery operated and are engineered to deliver reliable quality, design, and performance for years to come.



## BEST SELLER

### G2 Flushometer

Engineered to perform in high traffic or low water quality environments. The G2 defines advanced technology, from its innovative electronic circuitry to its stylish high-tech appearance.



#### BENEFITS

- Bluetooth-enabled
- Hands-free operation with infrared sensor
- High/low detection with multiple focus sensing
- Electronic override button for manual flush
- Up to 6 year battery life with four standard AA alkaline batteries



## WATER SAVING OPTION

### ECOS® Flushometer

Water efficiency, hygiene, and reliability combined to deliver long life and dependable performance. Reduces water volume by up to 30 percent. Available in dual-flush or single-flush high efficiency option.



#### BENEFITS

- Bluetooth-enabled
- High and Ultra High-efficiency models available
- Hands-free operation with infrared sensor
- High/low detection with multiple focus sensing
- Electronic override button for manual flush
- Up to 6 year battery life with four standard AA alkaline batteries



## POWER HARVESTING OPTION

### SOLIS® Flushometer

Solar-powered panel with battery backup. Available in single or dual flush models with Smart Sense Technology™ for controlled efficiency with every flush.



#### BENEFITS

- Bluetooth-enabled
- Extends battery life with solar power harvesting
- Hands-free operation with infrared sensor
- High/low detection with multiple focus sensing
- Electronic override button for manual flush
- Up to 8 year battery life with four standard AA alkaline batteries

Shown opposite: SOLIS 8111 Flushometer with ST-2459 Wall Hung Water Closet and SOLIS 8186 Flushometer with SU-1009 Standard Urinal, Combination ESD-601 Faucet and Soap Dispenser and SloanStone® Gradient Sink ELGR-84000 with stainless steel enclosure.

## Sensor Side Mount Battery Flushometers

These side-mount flushometers (except SMO) include True Mechanical Override — ensuring the ability to flush if batteries fail. They can be specified on many of our industry-leading flushometers, including Royal®, Sloan®, Regal®, and Crown® and come in a variety of water closet and urinal flush options.



**BEST SELLER**

### SFSM® Flushometers

Our Single Flush Side Mount provides an economical hands free sensor solution. It comes in a variety of water closet and urinal flush options.

**BENEFITS**

- True Mechanical Override ensures manual flush
- Keeps drain lines clean with a 72 hour automated Sentinel flush
- Up to 3 year battery life with four standard C alkaline batteries



### DFSM® Flushometer

True Mechanical Override and dual flush button for water savings up to 30 percent.



### SMOOTH Flushometer

Sensor operated flush with True Mechanical Override to ensure flush.



### SMO Flushometer

Compact and dependable performance with battery powered operation.

# Sensor Battery and Hardwired Retrofits

Sloan's industry-leading sensor technologies are available as retrofit kits for existing manual flushometers. It's never been easier for building owners, contractors and facility managers to create a hygienic, hands-free experience, with the flexibility of solar, battery, and hardwired power options.

## Retrofit Top Mount



### G2 Retrofit

Engineered to perform in high traffic or low water quality environments. Advanced electronics that deliver up to 6 years of battery life.



### ECOS® Retrofit

ECOS features G2 reliability plus increased water conservation. High efficiency with single flush or dual flush options available. Advanced electronics that deliver up to 6 years of battery life.



### SOLIS® Retrofit

Solar-powered panel helps save on power consumption as it captures and stores power from indoor lighting. Single flush and dual flush options available. Advanced electronics that deliver up to 8 years of battery life.



## Retrofit Side Mount



### SFSM® Retrofit

The Single Flush Side Mount features a True Mechanical Override button that ensures the toilet can always be flushed.



### DFSM® Retrofit

The Dual Flush Side Mount provides an automatic reduced flush based on time. True Mechanical Override button that ensures the fixture can always be flushed.



### SMOOTH Retrofit

The SMOOTH flushometer fits right over the existing flushometer handle for easy installation.



### SMO Retrofit

Compact and dependable performance. The SMO battery-powered flushometer is a popular choice.



Optional Hardwired G2, ECOS, SFSM, DFSM, and Smooth models available.

## Sensor Exposed ESS Hardwired Flushometers

Sloan's hardwired electronic solenoid sensor (ESS) flushometers provide the ultimate in sanitary protection and automatic operation with no batteries to change out. The flushometer operates by means of an infrared sensor that adapts to its surroundings. Select models come with True Mechanical Override ensuring the ability to flush upon power failure.



**PREMIUM LINE**

### Royal® Exposed ESS Flushometer

The reliability of the industry standard Royal flushometer with a hands-free operation. The Royal exposed provides sophisticated materials, computerized engineering design with ingrained quality. Water-saving technology for today and tomorrow.

**BENEFITS**

- Hands-free operation with infrared sensor
- High/low detection with multiple focus sensing
- High resistance to chloramines with Permex® components
- Superior performance with dual filtered bypass technology
- Optional True Mechanical Override ensures flush
- Adjustable tailpiece for ease of installation



### Crown® Exposed ESS Flushometer

The Crown exposed flushometer features piston operation that is perfect for low-pressure water systems. The Crown features synthetic lip seal for long life.



### Sloan® Exposed ESS Flushometer

Sloan flushometers feature highly chloramine-resistant Permex® synthetic rubber diaphragm with filtered bypass and vortex cleansing action.



### Regal® Exposed ESS Flushometer

High performance at a lower cost. Includes accurate flush delivery system, quiet operation, and durable components.

# Sensor Side Mount Hardwired Flushometers

These side-mount flushometers include True Mechanical Override — ensuring the ability to flush if power fails. They can be specified on many of our industry-leading flushometers, including Royal®, Sloan®, Regal®, and Crown® and come in a variety of water closet and urinal flush options.



**BEST SELLER**

## SFSM® Flushometers

Our Single Flush Side Mount provides an economical hands free sensor solution. Comes in a variety of water closet and urinal flush options.

### BENEFITS

- True Mechanical Override ensures manual flush
- Keeps drain lines clean with a 72 hour automated Sentinel flush
- Hardwired operation eliminates need to change batteries



## DFSM® Flushometer

True Mechanical Override and dual flush for water savings up to 30 percent.



## SMOOTH Flushometer

Sensor operated flush with True Mechanical Override to ensure flush.

## Concealed Rear Access Hardwired Flushometers Chase Required

Sloan offers small, attractive wall plates for concealed flushometer installations that have behind-the-wall chase access for maintenance or repair. The wall plates are hardwired and include sensor activation, vandal resistance and an optional True Mechanical Override button to ensure that the flushometers can always be flushed in case of power failure.



### Royal® ESS Concealed Flushometer

Wall plate with optional True Mechanical Override and concealed Royal valve and plumbing. Industry leading flushometer with dual filtered fixed bypass technology. Wall plate dimension: 5 × 5 inches.



### Sloan® ESS Concealed Flushometer

Wall plate with optional True Mechanical Override and Sloan concealed valve and plumbing. Fixed metering bypass technology for consistent performance. Wall plate dimension: 5 × 5 inches.



### Regal® ESS Concealed Flushometer

Wall plate with Regal concealed valve and plumbing. Back-to-basics valves that deliver reliable quality, design, and performance. Wall plate dimension: 5 × 5 inches.



### Crown® ESS Concealed Flushometer

Wall plate with Crown concealed valve and plumbing. Fixed volume piston operation with filtered O-ring bypass that can stand up to harsh water conditions. Wall plate dimension: 5 × 5 inches.

# Concealed Front Access Battery or Hardwired Flushometers

No Chase Required

Concealed sensor flushometers provide a clean look and help prevent vandalism. For installations with no access from behind the wall, Sloan offers wall boxes that protect the flushometer components while offering secure front access for maintenance or repair. They are available in a variety of power options including solar, battery, and hardwired.



## NEW TECHNOLOGY

### CX Flushometer

The Sloan CX is our most innovative flush valve design in over 50 years. The face plate is 70% smaller than the industry standard and comes in 5 attractive finishes, including our new Graphite. An all-vertical, in-line rough-in simplifies installation and allows you to regain up to 60% of plumbing chase space. Wall plate dimension: 8.5 × 9.25 inches. Standard battery and hardwired functionality.



#### BENEFITS

- Easy maintenance through the front access panel
- Fixed volume piston with filtered O-ring bypass
- Hands-free operation with infrared sensor
- Ensures high/low detection with multiple focus sensing
- Adjustable flush connection for ease of installation
- Concealed design provides a clean look with superior vandal resistance



### Royal®, Sloan®, Crown® ESS SWB Flushometer

Small access wall box with sensor and optional True Mechanical Override button. Wall plate dimension: 13.5 × 13.5 inches.



### Royal, Sloan, Crown ESS WB Flushometer

Large access wall box with sensor and electronic override. Wall plate dimension: 13 × 17 inches.



### SOLIS® Flushometer

Small access wall box with protected solar-powered panel True Mechanical Override button. Wall plate dimension: 13.5 × 13.5 inches.





Manual Flushometers

**A legacy of quality  
and reliability.**

# Manual Diaphragm Flushometers

The preferred technology in the U.S., diaphragm flushometers are especially beneficial in high-traffic environments or where water quality is less than ideal. They provide long-lasting, dependable performance for both water closets and urinals.

## DIAPHRAGM IS EFFECTIVE IN

- High traffic restrooms
- High pressure systems
- Poor water conditions



## PREMIUM LINE

### Royal® Flushometer

The industry standard for commercial restroom applications. The Royal provides sophisticated materials, computerized engineering design with ingrained quality. Water-saving technology for today and tomorrow.

#### BENEFITS

- Superior performance with dual filtered bypass technology
- High resistance to chloramines with Permex® components
- Adjustable tailpiece for ease of installation
- High pressure vacuum breaker prevents water backflow
- Free-spinning stop cap reduces vandalism



### UPPERCUT® Flushometer

Dual-flush options help reduce water consumption by up to 30%.



### Sloan® Flushometer

High chloramine resistant Permex synthetic rubber diaphragm with linear filtered bypass and vortex cleansing action.



### Regal® Flushometer

High performance at a lower cost. Back-to-basics valves that deliver reliable quality, design, and performance.

Shown opposite: Royal 186 Flushometer with SU-1009 Standard Urinal

## Manual Piston Flushometers

Sloan patented the first piston flushometer back in 1928, and we've been refining and improving the technology ever since. Piston flushometers are especially popular in low-pressure environments.

### PISTON IS EFFECTIVE IN

- Low traffic restrooms
- Low and weak pressure systems
- Cleaner water conditions



### NEW TECHNOLOGY

#### CX Flushometer

The Sloan CX is our most innovative flush valve design in over 50 years. The face plate is 70% smaller than the industry standard and comes in 5 attractive finishes, including our new Graphite. An all-vertical, in-line rough-in simplifies installation and allows you to regain up to 60% of plumbing chase space. Wall plate dimension: 8.5 × 9.25 inches.

#### BENEFITS

- Easy maintenance through the front access panel
- Fixed volume piston with filtered O-ring bypass
- Adjustable flush connection for ease of installation
- Concealed design provides a clean look with superior vandal resistance



### PREMIUM LINE

#### Crown® Flushometer

Crown flushometers feature piston operation, making them tough enough for harsh water conditions, yet green enough to use water efficiently and effectively.

#### BENEFITS

- Fixed volume piston with filtered O-ring bypass
- Threaded stop cap reduces vandalism
- Adjustable tailpiece for ease of installation
- Cover design protects threads from harsh water conditions



Shown: CX 196 Flushometer with SU-1006 Standard Urinal.



### GEM-2® Flushometer

Tough, economical, and piston-powered. Designed to accurately meter water delivery from piston-pioneering technology. The GEM-2 has been an international favorite for decades.



### Naval® Flushometer

The Naval piston flushometer is designed specifically for harsh water conditions. Highest quality Naval Brass and its exclusive Expelor® bypass provide superior harsh water performance.



### Dolphin® Flushometer

Made to meet the demands of salt water and other severe water conditions. The highest quality Naval Brass make it the perfect choice for marine applications or any installation where harsh water conditions prevail.

SPECIAL FINISHES



Special Finishes

**Add the finishing touch to your project.**



## Special Finishes

Elevate your next commercial restroom design with our exciting range of special finishes to help create a unified restroom experience.

### BENEFITS

- No additional lead time for special finishes
- Durable and stain resistant
- Creative flexibility for architects and designers



### Make a bold statement with Polished Brass.

Create the aura of high-end luxury and transform your space with Polished Brass. This finish is luxurious yet warm and will catch the eye of everyone who walks in the room.



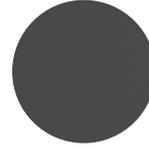
### Revitalize your environment with Brushed Nickel.

With fewer fingerprints or water marks left behind, the Brushed Nickel finish remains sharp and clean even after high-traffic use in any environment.



### Keep it clean and efficient with Brushed Stainless.

The Brushed Stainless finish hides most fingerprints or water marks, keeping your restroom clean no matter the environment.



### Blend into the design with the new Graphite.

The new Graphite finish blends in with any contemporary setting where a sleek and sophisticated look is desired.

## Available for our most popular flushometers

Our special finishes are available for select manual and sensor flushometers. Polished Brass, Brushed Nickel, Brushed Stainless, and Graphite available for **CX**, **Royal**<sup>®</sup>, **Royal ESS**, **G2**, **ECOS**<sup>®</sup>, and **SOLIS**<sup>®</sup>.



Shown opposite left: ECOS 8186 Flushometer in Polished Brass with SU-1009 Standard Urinal.  
Shown opposite right: Royal 111 Flushometer in Brushed Stainless with ST-2459 Wall Hung Water Closet.  
Shown opposite bottom: CX 8198 Flushometer in Graphite with SU-7409 Designer Urinal.

SPECIALTY

Specialty Flushometers & Parts

Benefits that  
go beyond the  
standard.

# Specialty Flushometers

Sloan has the broadest offering of specialty flushometers in the industry, offering solutions with features and functions beyond the standard commercial restroom.

## TYPES OF PROJECTS

- Healthcare
- Government
- Correctional facilities
- Other



## Bedpan Washers

Sloan bedpan washers provide hygienic solutions to in-room water closets. Manual, sensor-activated, retrofit, and hydraulic options are offered with features including ADA offset flush connections and deoseptic units.

## Reclaimed Water

Royal® reclaimed water flushometers are engineered with high copper, semi-red brass as well as synthetic compounds for the internal parts to withstand the harsh conditions of reclaimed water.

## Hydraulic

Sloan hydraulic flushometers feature a push-button actuator that uses line water pressure to actuate the valve, and it can be located remotely from the valve itself, making these ideal for difficult installations.

## PWT

Programmed Water Technology (PWT) allows you to effortlessly oversee and manage a facility's water flow. Electronic operations are suitable for prisons and other institutions where highly resistant mechanics are required.



## Service Sink

Sloan service sink flushometers provide dependable performance, efficiency, and hygiene for clinical and maintenance applications.

## Foot Pedal

Sloan foot pedal flushometers offer hands-free convenience with the tactile feedback of a manual flushometer.

## Trap Primer

The Sloan vacuum breaker trap primer provides a constant water seal in a floor drain. Each time the flushometer is activated, a small amount of water is diverted to the floor drain to maintain the water seal and prevent the escape of sewer gases. The vacuum breaker trap primer is externally serviceable for easy maintenance.

Shown opposite: Royal® BPW 1150 Flushometer with ST-2459 Wall Hung Water Closet

## Parts for optimal performance

Sloan provides the most reliable flushometers in the industry, but there are many factors that impact their longevity including: water quality, high traffic, vandalism, proper installation, regular maintenance, and plumbing systems. With these factors, it is important to use genuine Sloan Flushometer parts, in recommended maintenance intervals to get the best performance out of your product. The following maintenance schedule will help you determine whether your parts are due for replacement.

### Manual diaphragm flushometers

Life Expectancy Industry Standard / <a href="#">Sloan Standard</a>	Maintenance Indicator	3/4+ years	3/5+ years	15/20+ years
 <p><b>Handle assembly</b> Internal parts</p>	<ul style="list-style-type: none"> <li>Leaking around the handle</li> <li>Drooping handle</li> <li>Short erratic flush</li> </ul>	✓		
 <p><b>Vacuum breaker</b> Internal (baffle and sack)</p>	<ul style="list-style-type: none"> <li>Leaking around the vacuum breaker vent holes during or after flush cycle</li> </ul>	✓		
 <p><b>Inside cover</b></p>	<ul style="list-style-type: none"> <li>Slow leaks into the fixture</li> <li>Flush cycle too long or too short</li> <li>Grooves cut into inner cover from diaphragm segments</li> </ul>	✓		
 <p><b>Diaphragm kit</b> Regal®</p>	<ul style="list-style-type: none"> <li>Slow leaks into the fixture</li> <li>Flush cycle too long or too short</li> </ul>	✓		
 <p><b>Diaphragm kit</b> Royal®/Sloan®</p>	<ul style="list-style-type: none"> <li>Slow leaks into the fixture</li> <li>Flush cycle too long or too short</li> </ul>		✓	
 <p><b>Stop assembly</b> Internal parts</p>	<ul style="list-style-type: none"> <li>Leaking around the stop</li> <li>Failure to completely shut off water</li> <li>Excessive wrench marks on bonnet</li> </ul>		✓	
 <p><b>Brass parts</b> Body, outside cover, stop, and vacuum breaker tube</p>	<ul style="list-style-type: none"> <li>Compromised chrome finish</li> <li>Missing or distorted threads</li> </ul>			✓
 <p><b>Flanges &amp; connections</b></p>	<ul style="list-style-type: none"> <li>Compromised chrome finish</li> <li>Missing or distorted threads</li> <li>Excessive wrench marks on coupling</li> <li>Leaking around connections</li> </ul>			✓

## Battery-powered diaphragm flushometers

Same as manual diaphragm flushometer with exception of following parts

Life Expectancy Industry Standard / Sloan Standard	Maintenance Indicator	3/4+ years	3/6+ years	5/7+ years	20/25+ years
 <b>Batteries-alkaline</b>	<ul style="list-style-type: none"> <li>Blinking LED</li> <li>Unit will not flush</li> </ul>		✓		
 <b>Sensor ring cover assembly</b> Includes solenoid	<ul style="list-style-type: none"> <li>Unit will not flush</li> <li>Unit will continuously leak into fixture</li> </ul>			✓	

## Hardwired diaphragm flushometers

Same as battery-powered diaphragm flushometer with exception of following parts

Life Expectancy Industry Standard / Sloan Standard	Maintenance Indicator	3/4+ years	3/6+ years	5/7+ years	20/25+ years
 <b>Actuator cartridge assembly</b>	<ul style="list-style-type: none"> <li>Leaking around button upon activation</li> <li>Sensor and solenoid work, but will not flush</li> </ul>	✓			
 <b>Solenoid</b>	<ul style="list-style-type: none"> <li>Unit will not flush</li> <li>Unit will continuously leak into fixture</li> </ul>			✓	
 <b>Transformer</b>	<ul style="list-style-type: none"> <li>Unit will not flush at all, no power to the sensor</li> </ul>				✓

## Hydraulic actuator flushometers

Same as manual diaphragm flushometer with exception of hydraulic push button assembly

Life Expectancy Industry Standard / Sloan Standard	Maintenance Indicator	3/4+ years	3/5+ years
 <b>Hydraulic push button assembly</b>	<ul style="list-style-type: none"> <li>Leaking around the button upon activation</li> </ul>	✓	

## Manual piston flushometers

Same as manual diaphragm flushometer with exception of piston kits

Life Expectancy Industry Standard / Sloan Standard	Maintenance Indicator	3/4+ years	3/5+ years
 <b>Piston kit-GEM-2®</b>	<ul style="list-style-type: none"> <li>Slow leaks into the fixture</li> <li>Flush cycle too long or too short</li> </ul>	✓	
 <b>Piston kit-Crown®</b>	<ul style="list-style-type: none"> <li>Slow leaks into the fixture</li> <li>Flush cycle too long or too short</li> </ul>		✓

# The right technology for the job

The key to making the best choice between the variety of valve and flushometer technologies is understanding the application environment and knowing each technologies' strengths.

## Diaphragm vs. Piston



Flushometers are manufactured in two different technologies — a flexible rubber disk known as a diaphragm and a molded plastic cup known as a piston. The theory of operation in each is fundamentally the same, but any combination of influencing elements, such as restroom traffic, water quality, and operating system, may tip the scale in favor of one technology type over another. Use the following checklist for selecting the optimal valve technology for your next commercial restroom project.

Operating condition	Diaphragm	Piston	Advantage
Fixture back pressure	Better	Poor	Diaphragm
Flexible options to retrofit	Better	Good	Diaphragm
High chloramine water	Better	Poor	Diaphragm
Solids/grit/abrasive water	Better	Poor	Diaphragm
High flow	Better	Good	Diaphragm
HET fixture performance	Better	Good	Diaphragm
Low pressure system*	Good	Better	Piston
Weak water system*	Good	Better	Piston

\*Selected bowl requirements will dictate system minimum pressure/flow.

## Royal® vs. Sloan® vs. Regal®



### Royal Flushometer

The industry standard Royal uses a dual filtered fixed bypass diaphragm with Permex® components to maintain operation in the most demanding, high-traffic restrooms with most water conditions.



### Sloan Flushometer

The Sloan uses a linear filtered bypass diaphragm with Permex components to maintain operation.



### Regal Flushometer

The Regal is an excellent option if you're looking for high performance in an affordable unit.

Benefits	Royal	Sloan	Regal
Dual filtered bypass	✓		
Filtered bypass	✓	✓	
Permex diaphragm	✓	✓	
High pressure vacuum breaker	✓		
High copper-low zinc brass casting	✓	✓	✓
Triple seal handle	✓	✓	
Fixed metering bypass orifice	✓	✓	✓
No external volume adjustment	✓	✓	✓
ADA compliant handle	✓	✓	✓
CID (controlled inertia dampening)	✓	✓	
Vandal resistant stop cap	✓	✓	

Contact Sloan Technical Service Department for more information on other applications and repair parts at **888.756.2614**

## Options, water efficiency, and sustainability

Sloan® Flushometers are the go-to choice for architects, designers, engineers, contractors, and building owners looking for quality, reliability, and options in a wide array of commercial and industrial restroom applications. Our sustainable practices and products help you achieve a greater return on your most important investments: people, planet, and profit. We take responsibility through every part of the product life cycle, from the sourcing of raw materials through usage, consumption, maintenance, and recycling.

### A world of options

No matter what your application might be, Sloan has a line of flushometers with the features and options to fit your needs. And no matter which solution you choose, you get much more than just a flush valve.

- More than 110 years of engineering experience to optimize performance and water savings
- Outstanding technical support with the skills and knowledge to assist with any situation
- Designed and manufactured in the U.S. by dedicated Sloan professionals with top-quality materials and components, including semi-red brass castings which allow our valves to meet de-zincification alloy standards

### Sustainable Products

#### Our Flushometers are 100% recyclable

Our flushometers are created from over 90% recycled brass. Plus our entire flushometer, including internal parts, are 100% recyclable and have been since 1906.

#### Carbon Neutral for a better environment

Sloan is proud to offset its products' carbon footprint with forestry credits through a partnership with the Arbor Day Foundation, a leader in providing nature-based solutions.

#### High-efficiency water savings

Use 20% less water than the USGBC baseline of 1.6 gpf with a 1.28 gpf water closet flushometer and 31% less water with a 1.1 gpf High-Efficiency Toilet (HET) system.

#### Fulfilling your green goals

Our plumbing solutions can be used to gain USGBC LEED® v4 points and/or comply with CALGreen® and other building codes.

### Transparency

Transparency reports disclose how each production detail throughout a products life cycle can impact both human beings and the environment. Sloan partnered with SCS Global to generate our Environmental Product Declarations (EPDs) and our Health Product Declarations (HPDs). Sloan's sustainable restroom solutions with EPD, HPD are eligible for LEED v4 Materials and Resources point as well as for WELL Building Standard points.

Flushometers	EPD	HPD	Carbon Neutral	Water Efficient	WELL Products
Royal® Manual	30	13	4	208	13
Sloan® Manual	10	10	-	71	10
Regal® Manual	4	-	-	4	-
GEM-2® Manual	11	11	-	13	11
SOLIS® Sensor	7	7	5	44	7
ECOS® Sensor	9	9	7	30	9
G2 Sensor	6	6	-	28	6
Sloan Sensor	4	4	-	91	4
CX Flushometers	21	21	-	12	21



On front and back cover: SOLIS® 8111 Flushometer with ST-2459 Wall Hung Water Closet, SOLIS 8186 Flushometer with SU-1009 Washdown Urinal, and AD-84000 AER-DEC® Integrated Sink with stainless steel enclosure.



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