



ROYAL<sup>®</sup>  
FLUSHOMETER

SLOAN<sup>®</sup>

# SLOAN ROYAL®

## REDEFINING A STANDARD

Sloan's ROYAL® diaphragm-type Flushometers bring sophisticated materials, computerized engineering design and ingrained quality to today's plumbing market. *Sloan ROYAL – a standard redefined.*

### Low-Consumption Flushing with Performance and Accuracy

The Royal Flushometer with its patented Dual Filtered Fixed By-Pass Diaphragm, accurately meters water for today's water-conscious consumer. The 1.6 gpf (6.0 Lpf) water closet and the 1.0 gpf (3.9 Lpf) urinal valves maximize fixture performance and minimize water usage.

### The Clean Solution for Dirty Water Conditions

The Royal Flushometer incorporates a unique patented Dual Filtered Fixed By-Pass that protects the valve against run-on that can be caused by water-borne debris. Sloan's Permex® rubber compound helps withstand the deteriorating effects of chloramines and other water-treatment chemicals.

### Ease of Accessibility

The Royal Flushometer is designed to meet the requirements of the Americans with Disabilities Act (ADA) and other accessibility laws and guidelines. The Royal can also be supplied in hydraulic and concealed models to meet a wide range of user needs.

### Built for Public Restrooms

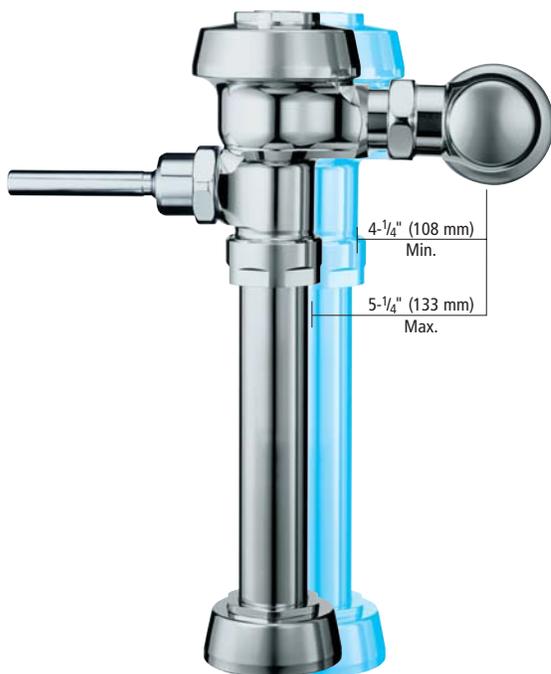
The Royal Flushometer is built for today's hard use restrooms and constructed to withstand vandalism.

Sloan Royal Flushometers offer the water savings, versatility and durability needed in today's plumbing environment.

## Features Pioneered By the Royal® Are Still the Standard in Flushometer Technology Today

### Adjustable Tailpiece

Designed and engineered to compensate and expedite "off-center" installations.



### Non-Hold Open Handles

The Royal automatically shuts off regardless of the handle position, saving water and energy.



### Dezincification

Sloan low-zinc red brass leads the plumbing industry in long life and continued high performance.

### The Royal Delivers

- An accurate flush between 15 to 100 psi (100 to 690 kPa)
- Non-adjustable design to ensure water conservation
- A Bak Chek® Control Stop to protect against pressure loss
- High-copper, low-zinc brass castings
- Made in the U.S.A.
- Diaphragm technology superior in the industry
- Free-spinning Stop Cap reduces vandalism

## Performance in All Water Conditions



### Royal Flushometer Performance Kits

#### Engineered for Performance

The Royal Performance Kit provides the integral precise metering of water, maximizing fixture performance while maintaining water conservation. The flush, refill and shut-off are accurately balanced by the engineered Refill Head and other critical components of the kit.

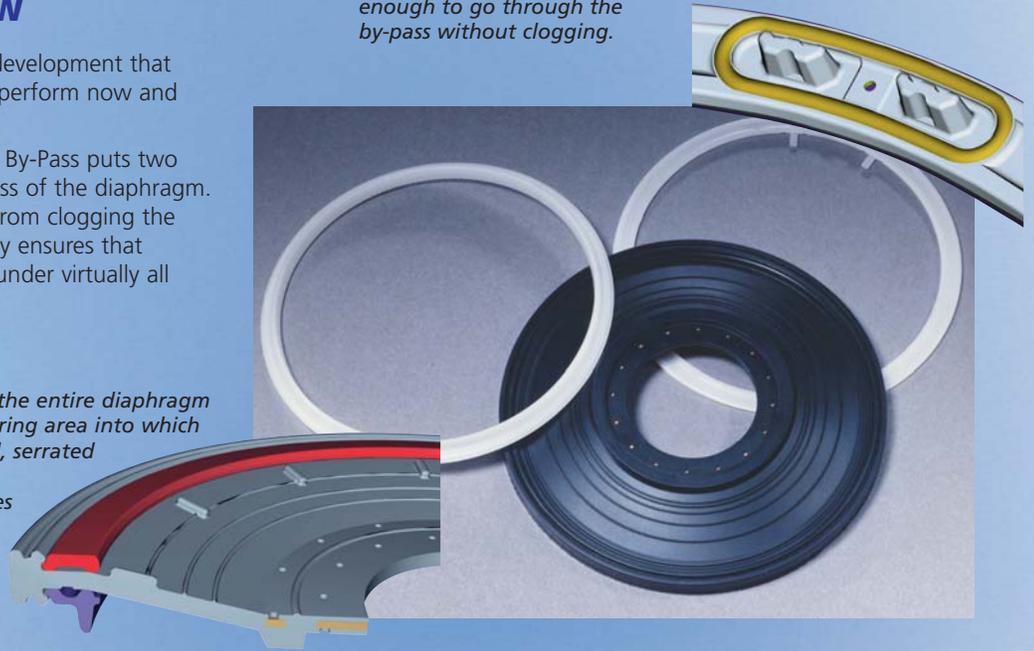


## Dual Filtered Fixed By-Pass – water-saving technology for today and tomorrow

The Dual Filtered Fixed By-Pass is a development that enables your Royal® Flushometer to perform now and in the future.

The Sloan Royal's Dual Filtered Fixed By-Pass puts two filters in front of the metering by-pass of the diaphragm. These filters effectively keep debris from clogging the Flushometer. This built-in redundancy ensures that the Royal Flushometer will perform under virtually all water conditions.

*The primary filter ring encircles the entire diaphragm providing an overall large filter ring area into which water can flow. A series of small, serrated grooves around the entire circumference of the ring ensures that only clean water will reach the by-pass. This ensures performance even in the most demanding environments.*



*Once water has passed through the filter grooves of the Primary Filter Rings, it flows around the two filter abutments before it can pass through the metering by-pass orifice. Any debris that makes it this far is small enough to go through the by-pass without clogging.*

## Sloan's new Flushometer with Dual-Function Flush



The first commercial Flushometer to reduce water volume by 30%.

- Lifting handle up initiates reduced flush 1.1 gpf (4.1 Lpf), eliminating liquid and paper waste, saving a 1/2-gallon of water!
- Pushing handle down initiates full flush 1.6 gpf (6.0 Lpf), eliminating solid waste and paper.
- Antimicrobial coating on handle protects against germs.
- Distinctive green handle signifies water-conserving fixture.

## Features That Keep Performing



### ADA Handle

Royal Flushometers feature an ADA-compliant handle that makes it easy for anyone to use. The new triple-seal handle packing provides a 50% increase in sealing capability and is molded from Sloan's Permax® elastomeric materials to withstand ammonia or chlorine-treated water supplies.



### Vacuum Breaker

Sloan's V-600-A vacuum breakers are engineered to handle the high back pressures created by today's generation of low-consumption water closets and urinals.



### Stop Cap

Royal Flushometers incorporate Sloan's H-700-A series supply stop with free spinning, vandal-resistant cap. The design deters vandalism while maintaining quick access for servicing and adjustment.



### Sweat Solder Kit

Royal Flushometers come standard with a sweat solder kit for copper supply piping. The diecast, set screw flange locks the cover tube in place.

# ROYAL<sup>®</sup>

## FLUSHOMETER

### Versatility and Flexibility

Royal<sup>®</sup> Flushometers are available in a wide variety of styles to meet any installation requirements.

### Fixtures and Flushing Volumes

#### Water Closet Flushometers

- 1.6 gpf (6.0 Lpf) - low consumption
- 3.5 gpf (13.2 Lpf) - water saver

The Royal Flushometer is also available with a 2.4 gpf (9.0 Lpf) flush for international operations.

#### Urinal Flushometers

- 0.5 gpf (1.9 Lpf) - ultra low flush
- 1.0 gpf (3.9 Lpf) - low consumption
- 1.5 gpf (5.7 Lpf) - water saver

The Royal Flushometer is also available with a 3.5 gpf (13.2 Lpf) flush for older blowout urinals.

#### Service Sink Flushometers

- 6.5 gpf (24.5 Lpf) flush delivery

#### Royal Flushometers are available as:

- Sensor-operated
- Hydraulic
- Bedpan Washer
- Prison

#### Accessories

Royal Flushometers are also available with a wide variety of accessories, variations and finishes.

#### Made in the U.S.A.

Manufactured in the U.S.A. by Sloan Valve Company under one or more of the following patents: 5,292,655; 9,542,718; 5,558,120; 5,564,460. Other patents pending.

### From the World Leader in Flushometers

There can only be one company that is the leader in its market. In Plumbing Systems, that leader is Sloan Valve Company.

#### A Family of Reliable Products

Sloan manufactures and sells more Flushometers for restrooms to world markets than all other brands combined.

#### World-Class Performance

Royal Flushometers, with their world-class quality and reliable operation, can be found in cities throughout the world.

#### Sloan Provides Excellence

Sloan's focus is to deliver products that perform in a consistent, reliable way. Today, more than any other manufacturer, the name Sloan has come to stand for Quality, Dependability and Reliability of engineered plumbing systems.

#### Service

From our worldwide distribution network, Sloan products are available when you need them. Sloan's Installation Engineering Department is on call at **800-745-0800** or contact your local Sloan Sales Representative.



For more information on any Sloan product, contact:

## SLOAN<sup>®</sup>

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