# FUNCTIONAL ELEGANCE BY DESIGN

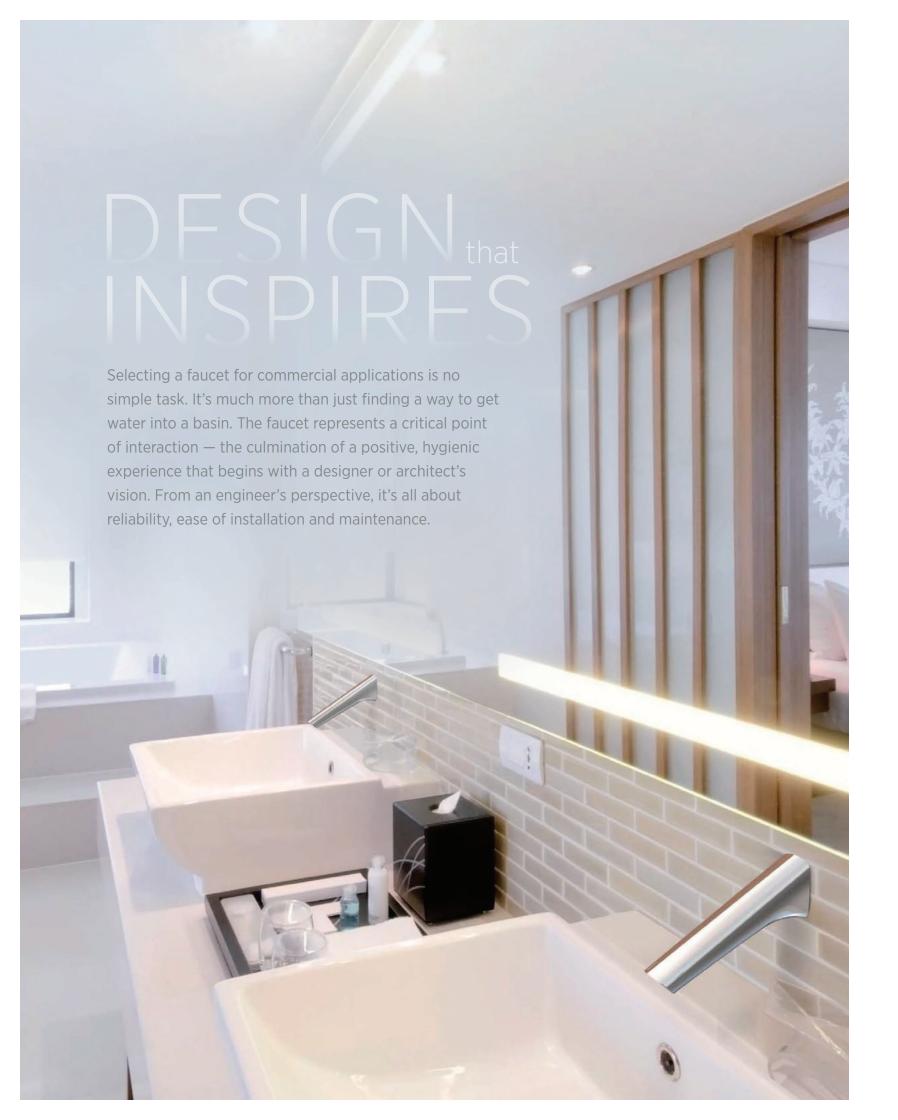
Full Line Faucet Collection —











#### Finding the right solution involves striking a balance among many (often competing) factors:

- Application environment
- Aesthetics
- Expected traffic volume
- Efficiency/sustainability
- Initial and lifetime cost of ownership
- Ease of maintenance

As the pioneer in commercial sensor faucet development, Sloan has created the most comprehensive line of electronic sensor faucets for the widest array of applications. With more styles, designs and options than any other manufacturer in the business, building owners, designers, architects and engineers alike can find the perfect solution to meet all their creative, practical and sustainability needs while staying within budget.

#### We offer three distinctive lines of sensor faucets:

BASYS® A groundbreaking design with multiple body types, sensing technologies, interchangeable components and power choices

**Optima**® Reliable and built to last. The world's most widely installed sensor faucets with many styles and features

**Sloan**® Dependable products for cost-driven applications

**BASYS**°



Optima<sup>®</sup>





Sloan is the leader in smart, sustainable design for the total commercial restroom. The sensor faucets you'll find on the following pages are the perfect complement for our sinks, flushometers, water closets, urinals and more.



# BASYS® Any application. Any environment.

Backed by a century of experience and proven Sloan technologies, BASYS delivers a revolutionary approach to sensor faucets that meets the demands of the commercial plumbing industry. Introduced after two years of field research and in-depth interviews with designers, architects, engineers and plumbers, BASYS has the strength and versatility to meet the needs of any application or environment.

- A single tool provides access to all components.
- Interchangeability of components simplifies upgrades, repairs and maintenance.
- One twist of the solenoid caddy shuts off water supply for maintenance.
- Multiple power harvesting options are available to suit the unique needs of each environment.
- Individual external diagnostic LEDs indicate the health and status of key components.
- All models include a line flush function to reduce the stagnant water that can lead to bacterial growth.
- With a touch, staff can temporarily turn off the water supply in order to clean the sink area without activating water flow.

# A WORLD OF OPTIONS

BASYS is centered on a robust system of shared features and components. This fundamentally different approach revolutionized the commercial plumbing industry by streamlining service and advancing the user experience.

#### **ABOVE-DECK CONTROLS**

Easy, above-deck access to key components is the standard for all BASYS models. The on-board electronics are completely sealed within each faucet's modular crown, which can be removed with a single Allen wrench.

Valve caddy/water shut-off

Shuts off water supply with one twist, without having to go below the sink.

Upgrade product features in seconds.

Removable crown

External indicators
Individual external diagnostic
LEDs help quickly identify
faucet status.

Exchange tool + spray insert Allows operators to remove,

clean and replace the spray.

INTERCHANGEABLE CROWNS
Interchangeable crowns help tailor a product to fit the

unique needs of a particular installation.



A clean, bowed crown is the standard for all models. It provides a smooth, sleek appearance.



**Solar**Solar panels embedded in the crown draw power from artificial and natural light sources.



Battery caddy

Easily accessible

and watertight.

Solenoid + filter

Bi-stable solenoid with integrated filter.

**Solar + LCD display**The LCD display instructs
users how to perform a
CDC-compliant hand wash.

#### **FLOW RATES AND SPRAY TYPES**

Three spray types provide options to adjust the flow rate, look and feel of the water.



Multi-laminar spray 0.5 gpm/1.9 Lpm



Full-stream aerated 1.5 gpm/5.7 Lpm



Full-stream laminar 1.5 gpm/5.7 Lpm

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#### **POWER OPTIONS**

Four power options are available, giving you the flexibility to best meet your specific application needs.











**Hardwired** Ideal for new construction because it eliminates regular use of disposable batteries. All BASYS hardwired faucets have backup battery power.

**Battery** A good option for retrofit environments or installations where hardwiring is not an option.

**Solar** An excellent choice to passively harvest power and extend battery life.

**Turbine** Miniaturized hydroelectric turbines extract power from moving water and use it to extend battery life.

#### **SPECIAL FINISHES**

In addition to our polished chrome finish, our BASYS line can be ordered with special finishes:









Brushed nickel Polished brass Brushed stainless

Chrome

#### **CUSTOM ENGRAVING**

Add a distinctive touch to your faucets with custom engraving. Corporate logos, team or venue names — the possibilities are limitless.

#### COMPLIANCE

- Americans with Disabilities Act (ADA)
- California Energy Commission (CEC)
- Buy American Act (BAA) (select models only)
- CalGreen Code
- NSF 372

#### Low-height

**EFX350** Battery

#### Low-height with integrated base



**EFX300** Hardwired **EFX375** Battery + solar **EFX377** Battery + solar + LCD **EFX380** Battery + turbine



**EFX600** Hardwired **EFX650** Battery **EFX675** Battery + solar **EFX677** Battery + solar + LCD **EFX680** Battery + turbine

#### Mid-height



**EFX200** Hardwired **EFX250** Battery **EFX275** Battery + solar **EFX277** Battery + solar + LCD **EFX280** Battery + turbine

#### High

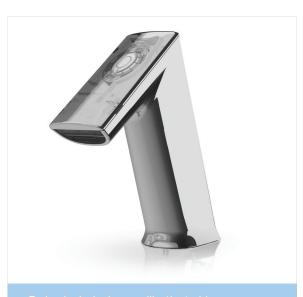


**EFX100** Hardwired **EFX150** Battery **EFX175** Battery + solar **EFX177** Battery + solar + LCD **EFX180** Battery + turbine

#### Wall-mount



**EFX800** Hardwired **EFX850** Battery **EFX875** Battery + solar **EFX877** Battery + solar + LCD



Matching soap dispensers and hand dryers are available. Contact Sloan for more information.

sloan.com | 800.982.5839 **7** 6 sloan.com | 800.982.5839



# Optima<sup>®</sup>

A sense of style for any application. If you see a sensor faucet in a commercial setting, odds are it's a Sloan Optima model. With a well-deserved reputation for reliability and proven engineering expertise — and a wide range of design and feature options — it's no wonder Optima is the most widely installed commercial sensor faucet in the world.

Whether specifications call for battery or AC power, Optima's hygienic, touch-free electronic operation delivers a positively purifying experience in any environment. From hardworking, vandal-resistant models that stand up to the harshest conditions, to elegant and refined executive options with lighted rainfall water streams, you'll find an Optima faucet that fits your requirements perfectly.

Optima sensor faucets can be specified with a range of options and styles to meet any application requirements.

#### **POWER OPTIONS**







**Hardwired** Ideal for new construction because it eliminates regular use of disposable batteries.

**Battery** A good option for retrofit environments or installations where hardwiring is not an option.

**Solar** An excellent choice to passively harvest power and extend battery life.

#### **FLOW RATES**

0.35 gpm/1.325 Lpm | 0.5 gpm/1.9 Lpm | 1.0 gpm/3.8 Lpm | 1.5 gpm/5.7 Lpm | 2.2 gpm/8.3 Lpm

#### **SPECIAL FINISHES**

In addition to our polished chrome finish, select models in the Optima series can be ordered with special finishes:









Brushed nickel

**Polished brass** 

**Brushed stainless** 

Chrome

#### COMPLIANCE

- Americans with Disabilities Act (ADA)
- California Energy Commission (CEC)
- CalGreen Code
- NSF 372

- LEED v4 (with 0.35 gpm spray option)
- Buy American Act (BAA) (select models only)

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#### Mid-height above-deck controls



**EAF100** Hardwired **EAF150** Battery



EAF200 Hardwired
EAF250 Battery
EAF275 Battery and solar energy



**EAF350** Battery

#### High gooseneck below-deck controls



ETF700 Hardwired
EBF750 Battery
EBF755 Battery, BAA compliance



ETF700-H Hardwired with surgical bend
EBF750-H Battery with surgical bend



**ETF770** Hardwired with side sensor

#### Mid- and low-height below-deck controls



ETF80 Mid-height, hardwired EBF85 Mid-height, battery



ETF880 Mid-height, hardwired EBF187 Mid-height, battery



**ETF660** Low-height, hardwired with side sensor

#### Wall-mount below-deck controls



ETF500 Hardwired Battery



ETF800 Hardwired



High gooseneck surgical bend perfe

tylish design with reliable and hygienic functionality



EBF615 Low-height, hardwired
EBF625 Low-height, battery,
BAA compliance



EBF650 Low-height, hardwired
EBF655 Low-height, battery
Low-height, battery,
BAA compliance

#### Executive



EAF700 Above-deck controls, hardwired EAF750 Above-deck controls, battery



**EAF225** Below-deck controls, hardwired with illuminated temperature indicator



**EAF900** Below-deck controls, hardwired with backlight stream and illuminated temperature controls

Soap dispenser pairings available for many models. **Contact Sloan for more information.** 

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Sloan®

Dependable performance for cost-driven applications.

Working within a strict budget doesn't have to mean sacrificing style, performance or ease of maintenance. The rugged and dependable SF-Series delivers the same reliability and ease of installation that has made Sloan a leader in commercial restroom applications.

You get all the convenience and hygienic advantages of touch-free sensor activation for tempered or hot/cold water delivery with a choice of faucet heights and styles with below-deck controls.

#### **POWER OPTIONS**

**Hardwired** Ideal for new construction because it eliminates regular use of disposable batteries.

**Battery** A good option for retrofit environments or installations where hardwiring is not an option.





#### **FLOW RATES**

0.35 gpm/1.325 Lpm | 0.5 gpm/1.9 Lpm | 1.5 gpm/5.7 Lpm | 2.2 gpm/8.3 Lpm

#### COMPLIANCE

- Americans with Disabilities Act (ADA)
- California Energy Commission (CEC)
- CalGreen Code
- LEED v4 (with 0.35 gpm spray option)

#### Low-height



Mid-height with integrated base

SF2100 Hardwired **SF2150** Battery

SF2300 Hardwired

SF2350 Battery

#### Mid-height



SF2400 Hardwired SF2450 Battery

#### Gooseneck

**SF2200** Hardwired SF2250 Battery



Soap dispenser pairings available for select models. Contact Sloan for more information.

# THE SLOAN FULL LINE FAUCET COLLECTION

No matter what your application requirements, you'll find a Sloan sensor faucet that meets those needs with style. Create a positive, hygienic experience for your commercial facility today.				FEATURES													
	O0.982.5839 or visit sloan.com to learn more.			Spout	Туре	)			nsor pe		vice cess		Fu	ınctio	ns		
LINE	Product Series	Low	Mid	High	Integrated Base	Gooseneck	Wall	Infrared	Capacitance/Proximity	Above Deck	Below Deck	Auto Shut-Off	Configurable	Programmable	LCD Screen Option	Line Flush	
	EFX100, EFX150, EFX175, EFX177, EFX180			•				•		•		•	•	•	•	•	
	EFX200, EFX250, EFX275, EFX277, EFX280		•					•		•		•	•	•	•	•	
S	EFX375, EFX377	•						•		•		•	•	•	•	•	
BASYS	EFX300, EFX350, EFX380	•						•	•		•	•	•	•		•	
	EFX675, EFX677				•			•		•		•	•	•	•	•	
	EFX600, EFX650, EFX680				•			•	•		•	•	•	•		•	
	EFX800, EFX850, EFX875, EFX877						•	•		•		•	•	•	•	•	
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	ETF700, EBF750, EBF755					•		•			•						
	ETF660	•						•			•						
	ETF770 ETF800					•	•	•			•						
	SF2100, SF2150	•					•	•			•						
Z	SF2200, SF2250					•											
SLOAN	SF2300, SF2350				•	-		•			•						
S	SF2400, SF2450		•		-			•			•						

<sup>\*</sup> May require purchase of separate sprayhead

	OPTIONS													CODES											
	Po	wer			Fini	shes			Flo	w Rat	es*		S	pray <sup>-</sup>	Types*	**	Trim Plate	Tem	perat	ure Mi	xing	Compliar		liance	
Hardwired	Battery	Battery with Solar	Battery with Turbine	Chrome Plated	Brushed Stainless	Brushed Nickel	Polished Brass	0.35 gpm/1.325 Lpm	0.5 gpm/1.9 Lpm	1.0 gpm/3.8 Lpm	1.5 gpm/5.7 Lpm	2.2 gpm/8.3 Lpm	Multi-Laminar	Laminar	Aerated	Rain Shower	4"or 8"	Bak-Chek Tee	Integrated Side Mix	Above-Deck Handle	Below-Deck Manual or Thermostatic	ADA, CalGreen and CEC	BAA	LEED v4	
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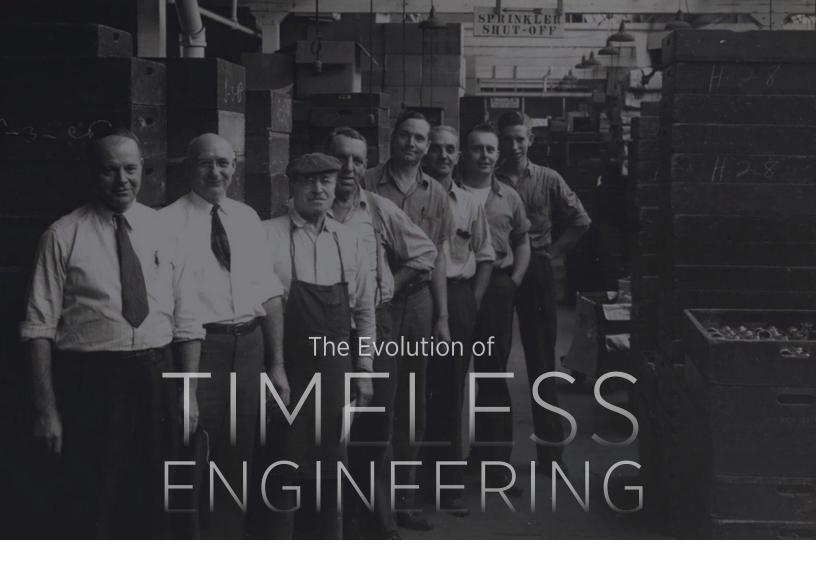
<sup>\*\*</sup>Some not available in all flow rates

# DEFINING THE STATE OF THE ART FOR MORE THAN 110 YEARS

Full Line Flushometer Collection ———









In 1906, William Elvis Sloan changed the world of commercial plumbing with an innovative valve that replaced the tank-and-chain configurations commonly used on toilets of the day. Rather than relying on gravity, the Royal® Flushometer used water pressure to get the job done with greater consistency and used less water in the process.

Today, Sloan flushometers are the go-to choice for architects, designers, engineers and building owners looking for quality, reliability and options in a wide array of commercial and industrial restroom applications. No other manufacturer can match our experience, dedication or commitment to the market.

Sloan is the leader in smart, sustainable design for the total commercial restroom. The wide range of flushometers you'll find on the following pages represents the latest in hydromechanical and electronic design. They are the perfect complement for our water closets, urinals, sensor faucets, sinks and more.

#### 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
- Design and manufacturing in the U.S. by dedicated Sloan professionals with top-quality materials and components, including semi-red brass
- Outstanding technical support with the skills and knowledge to assist with any situation

#### The broadest offering in the industry

No matter what your application, Sloan has a solution that delivers the performance you need.

- Manual and sensor operation
- Diaphragm and piston models
- Exposed and concealed installation
- Battery, solar and hardwired sensors
- Specialty needs
  - Hydraulic-actuated
  - Prison
  - Programmed Water Technology (PWT)
  - Bed pan washers
  - Special finishes

ROYAL® 111



**SOLIS® 8111** 



**ROYAL® 152 ESS TMO SWB** 





# When it all comes together

One of the advantages to designing and manufacturing both flushometers and vitreous china fixtures is the ability to offer them as pre-matched combinations.

Our combination offerings give you a quick and easy way to match Sloan quality and performance in one easy-to-install package.

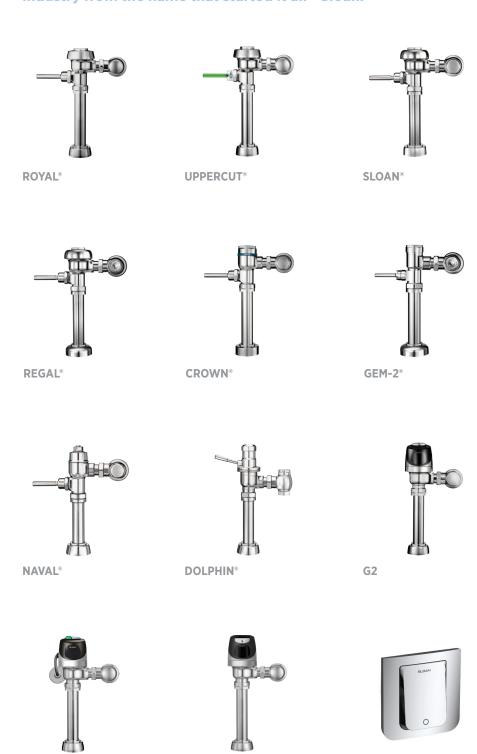
- A single source for all your specification needs
- The same great after-sale support you have come to expect
- All combination packages are compliant with the Buy American Act (BAA)



Choosing the right flushometer is critical to creating a consistent and hygienic user experience, and it requires a careful analysis of several key factors:

- Expected traffic
- Water pressure
- Water quality
- User experience
- Budget

## The broadest range of product lines and options in the industry from the name that started it all—Sloan.



**SOLIS®** 

**ECOS**®

**TRUFLUSH** 



#### **Top mount**

Sloan's innovative top-mount sensor flushometers provide a sleek, distinctive appearance while delivering a hygienic, hands-free experience for users. Engineered for maximum durability and service life.

#### **Side mount**

These side-mount sensors (except SMO) include True Mechanical Override (TMO)—ensuring the ability to flush if batteries fail—and they can be specified on many of our industry-leading flushometers, including Royal®, Sloan®, Regal® and Crown®.

#### Concealed

Concealed sensor flushometers provide a clean look and help prevent tampering/vandalism.

# Top Mount



#### **SOLIS®**

SOLIS flushometers extend battery life by using solar panels to capture and store power from indoor lighting. Single and dual flush options available.



#### **G2**

G2 flushometers feature new electronics that deliver six years of battery life with standard AA alkaline batteries.



#### **ECOS**®

ECOS features G2 reliability plus increased water conservation. High efficiency with single flush or dual flush options available.

## Side Mount



#### **DFSM**

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



#### **SFSM**

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



#### **SMOOTH®**

The SMOOTH flushometer fits right over the existing flushometer handle. It features a True Mechanical Override button that ensures the fixture can always be flushed.

# Side Mount



#### **SMO**

A compact design and dependable performance make the SMO batterypowered flushometer a popular choice.

Note: ECOS, DFSM. SFSM,

## Concealed



#### **TRUFLUSH**

With Sloan's patent-pending piston technology, TruFlush flushometers feature a clean, concealed design with front access for maintenance. Not available in USA or Canada.



#### **SOLIS®**

The concealed SOLIS flushometers protect the sensor and photovoltaic components behind a stainless steel wall plate that includes the True Mechanical Override button.



#### **ESS** exposed and concealed

Sloan's electronic solenoid sensor (ESS) flushometers provide the ultimate in sanitary protection and automatic operation. The flushometer operates by means of an infrared sensor that adapts to its surroundings. Once the user enters the sensor's effective range and then steps away, the flushometer solenoid initiates the flushing cycle.

#### Wall plates and wall boxes

For concealed flushometer installations with rear access, Sloan offers small, attractive wall plates. For installations with no access from behind, Sloan offers wall boxes that protect the flushometer components while offering secure front access for maintenance or repair.

# Exposed









# Concealed









Note: TruFlush models on page 7 can also be hardwired

# Wall Plates



**ROYAL® ESS** 



**REGAL®/SLOAN® ESS** 

# Wall Boxes







**ESS WB** 



### Diaphragm

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.

#### **Piston**

Sloan patented the first piston flushometer back in the 1930s, and we've been refining and improving the technology ever since. Piston flushometers are especially popular in low-pressure environments.

# Diaphragm



#### **ROYAL®**

Royal flushometers feature advanced materials including dual-filtered fixed bypass synthetic rubber diaphragms and semi-red brass body, stop and cover.



#### **SLOAN®**

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



#### **REGAL®**

Economical Regal flushometers feature semi-red brass and a durable natural rubber diaphragm.

# Diaphragm



#### **UPPERCUT®**

The UPPERCUT dual-flush flushometer provides a reduced flush option that reduces water usage by 30 percent. Features semi-red brass and Royal dual-filtered fixed bypass synthetic rubber diaphragm.

### Piston



#### **CROWN®**

Crown flushometers feature advanced piston technology. Water-efficient design will not accept higher flush volume replacement parts.



#### GEM-2®

Reliable and economical, GEM-2 piston flushometers have been an international favorite for decades.

## Piston



#### **NAVAL®**

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®**

Dolphin piston flushometers reliably stand up to the demands of saltwater and other severe water conditions and use Naval brass.



#### **TRUFLUSH**

With Sloan's patent-pending piston technology, TruFlush flushometers feature a clean, concealed design with front access for easy maintenance. Not available in USA or Canada.



# Specialty

When specifications call for features or functions beyond a standard commercial restroom, Sloan has the situation covered. Sloan has the broadest offering of specialty flushometers in the industry.



#### **HYDRAULIC FLUSHOMETERS**

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 your facility's water flow. PWT flushometers provide electronic operation suitable for prisons and other institutions.



#### **PRISON FLUSHOMETERS**

With concealed valves and rugged, non-hold-open push-buttons, Sloan prison flushometers are at home in the toughest conditions.



#### **BEDPAN WASHERS**

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

# **Special Finishes**

In addition to our polished chrome finish, our Royal® manual, G2, ECOS® and SOLIS® battery-operated sensor, and Royal Optima® ESS hardwired sensor flushometers can be ordered with special finishes.



Polished Chrome



Polished Brass



Brushed Nickel



Brushed Stainless



## Retrofits

Sloan's industry-leading sensor and manual technologies are available as retrofit kits for existing manual flushometers. It's never been easier for building owners, engineers and facility managers to create a hygienic, hands-free experience.

# Top-mount Sensor



Battery-operated single flush models.



Battery-operated high-efficiency single and dual flush models.



Solar-powered single and dual flush models.

## Side-mount Sensor



**DFSM** Dual Flush Side Mount with TMO.



**SFSM** Single Flush Side Mount with TMO.



**SMOOTH®** Over-the-handle installation with TMO.



**SMO** Single Flush Side Mount.

# Manual



**UPPERCUT®** Dual flush manual retrofit handles.

# Customizing your solution

With so many different flushometer types, sensors and options, it would be impossible to list every combination in a single brochure.

In most cases, product names conform to the following structure: Name | Model | Flush Volume | Suffix(es).

Example: Royal 111-1.28 ESS

This combination is a Royal 111 flushometer with a 1.28 gpf (4.8 Lpf) flush volume and an electronic solenoid sensor.

In the charts below, you'll find a list of common model specifications that includes rough-in dimensions and connection sizes. Unless otherwise specified, most flushometers are available in multiple flush volumes.



	WATER CLOSET	URINAL
Water Saver	3.5 gpf/13.2 Lpf	1.5 gpf/5.7 Lpf
Low Consumption	1.6 gpf/6.0 Lpf	1.0 gpf/3.8 Lpf
High Efficiency	1.6/1.1 gpf/6.0/4.2 Lpf 1.28 gpf/4.8 Lpf 1.1 gpf/4.2 Lpf	0.5 gpf/1.9 Lpf 0.25 gpf/0.9 Lpf 0.125 gpf/0.5 Lpf

	Selected Suffixes Used in Product Names										
SUFFIX	DESCRIPTION										
SFSM	Single Flush Side Mount sensor										
DFSM	Dual Flush Side Mount sensor										
SMO	Side mount operator sensor										
SMOOTH	SMOOTH sensor										
ESS	Electronic solenoid sensor										
HW	Hardwired										
WB	Wall box										
SWB	Small wall box										
Н	Handle on front of valve										
ES	Electronic solenoid										
TMO	True Mechanical Override										
OR	Override button										
SG	Sani guard										
TP	Trap primer										

300 series = Foot pedal flushometers 600 series = Prison flushometers

900 series = Hydraulic flushometers

1000 series = Bed pan washer manual flushometers

8000 series = Battery-operated flushometers

9000 series = Bed pan washer hydraulic flushometers

	ROUGH IN	FIXTURE						
PRODUCT SERIES		Water Closet	Urinal	Service Sinks				
110*, 910*, 8110*	11½"	•						
111, 8111	11½"	•						
112, 8112	11½"	•						
113, 8113	16"	•						
114	343/8"	•						
115, 8115	24"	•						
116, 8116	27"	•						
117	24"			•				
120, 920	11½"	•						
121	16"	•						
122	24"	•						
136	36"	•						
137, 8137	36"	•						
139**, 939	37½"							
140, 940	141/2"	•						
142, 942	9"	•						
143, 943	141/2"	•						
144	10½"	•						
150, 650, 950	N/A	•						
152**, 952, 8152	24"	•						
153**, 953	24"	•						
154	24"	•						
155	24"			•				
180, 980, 8180	11½"		•					
186, 986, 8186	11½"		•					
188	11½"		•					
190, 990	141/2"		•					
192, 992	14½"		•					
195, 995, 8195	131/2"		•					
197, 997	13½"		•					
310	10"	0						
312	10"	•						
313	14"	•						
318	14"							
320	10"		•					
323	13"		•					
343	14"	•	_					
601	201/2"							
		•						
603, 9603	16"	•	_					
609, 9609	141/2"		•					
611, 9611	24"	•						
613, 9613	131/2"		•					
681	26"	•						
1000, 1010	343%"	•						
1015	343%"	•						
1020	343/8"	•						
1040	331/4"	•						
1045	331/4"	•						
1100, 1110, 1150	26½"	•						
1105	26½"	•						
8000, 8100	343/8"	•						
8005	343/8"	•						
9000	26½"	•						

<sup>\*3.5</sup>gpf/13.2 Lpf only \*\*ESS rough in dimensions different, see spec sheet for details

ACC	CESS	SUPP	LY PIPE		PUD ITION			PUD PLING				SPECIALTY		
Exposed	Concealed	3/4"	1"	Rear	Тор	3/4"	1"	11/4"	1½"	Floor Mount	Foot Pedal	Adjustable Ground Joint	Bed Pan Washer	Deoseptic Unit
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