

THE MARKETS SLOAN SERVES



Sloan Valve Company's plumbing products and specialized systems address the unique needs and demands of numerous markets. Those trying to achieve LEED™ Certification should consider items in Sloan's Water Conservation Product Group that can yield multiple LEED credit points.

Sloan's products stress the qualities that make them particularly suitable for designated areas and purposes in markets such as:

- **Commercial**
- **Education**
- **Airports & Stadiums**
- **Industrial**
- **Healthcare**
- **Correctional/Prison**
- **Hospitality**
- **Residential/Multihousing**

Market	Type of Construction	Best Electronic	Best Manual	Better Manual	Good Manual
OFFICES	New	Optima®	Royal®	Sloan Valve	Regal®
	Renovation	G2 Optima Plus®	Royal	Crown®	Gem•2®
AIRPORTS	New	Optima	Royal	Sloan Valve	Regal
	Renovation	G2 Optima Plus	Royal	Crown	Gem•2
HOTELS	New (public)	Optima	Royal II®	Royal	Crown® II
	New (guest)		FLUSHMATE®	FLUSHMATE	FLUSHMATE
	Renovation (public)	Optima	Royal II	Royal	Crown II
	Renovation (guest)		FLUSHMATE	FLUSHMATE	FLUSHMATE
PRISONS	New	MICROPlumb®	Royal®	Sloan Valve	Regal
	Renovation	MICROPlumb	Royal®	Crown	Gem•2
SCHOOLS	New	Optima	Royal II	Royal	Crown II
	Renovation	G2 Optima Plus	Royal	Crown	Gem•2
DORMS	New/Renovation		FLUSHMATE	FLUSHMATE	FLUSHMATE
HOSPITALS	New (public)	Optima	Royal II	Royal	Crown II
	Renovation (patient)	Slimline®	Royal II	Royal	FLUSHMATE
	New (patient)	Slimline	Royal II	Royal	FLUSHMATE
	Renovation (public)	G2 Optima Plus	Royal	Crown	Gem•2
STADIUMS	New	Optima	Royal	Sloan Valve	Regal
	Renovation	G2 Optima Plus	Royal	Crown	Gem•2
MILITARY	New	Optima	Royal	Sloan Valve	Regal
	Renovation	G2 Optima Plus	Royal	Crown	Gem•2



Products such as Sloan manual and electronic Flushometers, faucets and electronic hand dryers are the perfect choices for restrooms in all of these markets. When deciding which Sloan plumbing fixtures to specify for your project's restrooms, be sure to consider factors including the anticipated number of users and traffic patterns of the restrooms, user expectations for hygiene and convenience, and the importance of aesthetic appeal to project—and protect—a building's image.

SLOAN'S NEW WATER CONSERVATION DIVISION IS DEVELOPING THE NEXT GENERATION OF PRODUCTS FOR USE TODAY

Since 1906, Sloan Valve Company has engineered products to help the World conserve water without sacrificing performance. From the original Royal® Flushometer to its new, innovative, LEED™ applicable products, Sloan continues its leadership in water conservation.

Sloan's Water Conservation Division—established to identify and develop the most advanced plumbing conservation systems—adds another chapter to Sloan's history with a new collection of "green products."

Crown® II Flushometers

- 0.5 gpf/1.9 Lpf urinal Flushometers reduce water use for urinals by more than 50%
- High recycled content

Waterfree Urinals

- No water use for maximum conservation
- Sanitary ceramic fixtures versus plastic fixtures
- Bio-degradable cartridges allow up to 7,000 uses before changing

Solar-Powered Faucet

- Integrated "power plant" transforms the available light into electrical energy without complicated micro motors
- 0.5 gpm/1.9 Lpm faucet aerators provide for the highest levels of conservation
- Advanced sensors regulate water flow and preserve our precious resource ... automatically

XLerator® Hand Dryers

- New sensor-operated hand dryers use 80% less energy than traditional hand dryers
- Provide 90% savings vs. paper towel costs
- Dry hands in 10 to 15 seconds

FLUSHMATE® Pressure-Assist Units

- Only 1.0 gpf/3.8 Lpf, saving 33% more water versus gravity units
- Powerful evacuation eliminates double flushing



ELECTRONIC FLUSHOMETERS AND MANUAL FLUSHOMETERS

Sloan Optima® water closet and urinal Flushometers with electronic sensor operation combine features that appeal to users with functional attributes that make these Flushometers solid, long-lasting performers. Features such as low-consumption or water-saver mode flushing, ADA compliance and

materials and construction that stand up to heavy use and abuse make Sloan Optima Flushometers the practical choice for restrooms in all types of facilities.



G2 OPTIMA PLUS®

Every Optima Flushometer Features:

- Self-adaptive infrared sensor with indicator light
- High-copper, low-zinc brass castings that resist dezincification
- Free-spinning, vandal-resistant stop cap
- Non-hold open integral solenoid operator, fixed metering by-pass and no external volume adjustment to conserve water
- Adjustable tailpiece to work with off-center installations
- Diaphragm, stop seat and vacuum breaker molded of PERMEX® synthetic rubber for chloramine resistance



ELG-100

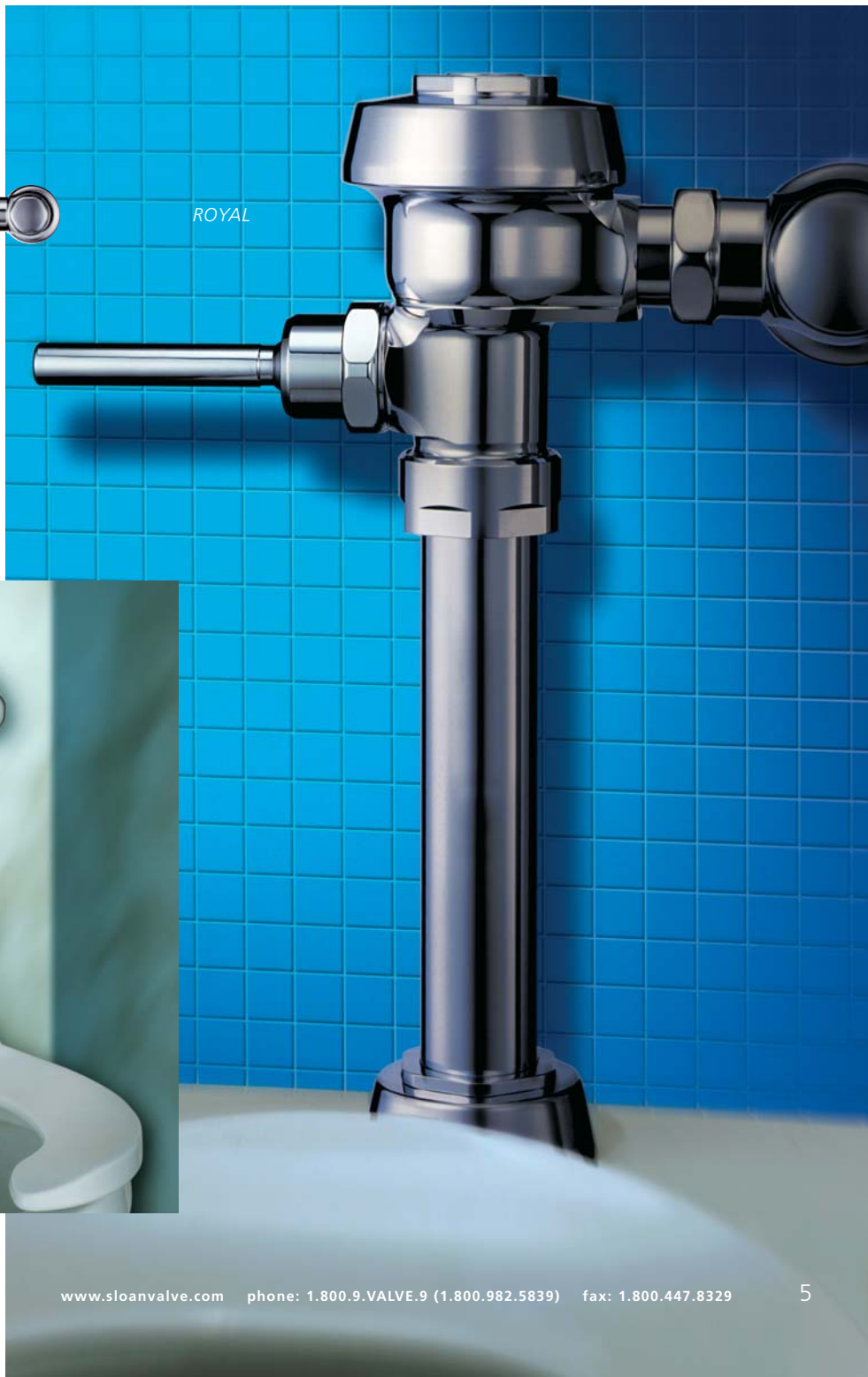
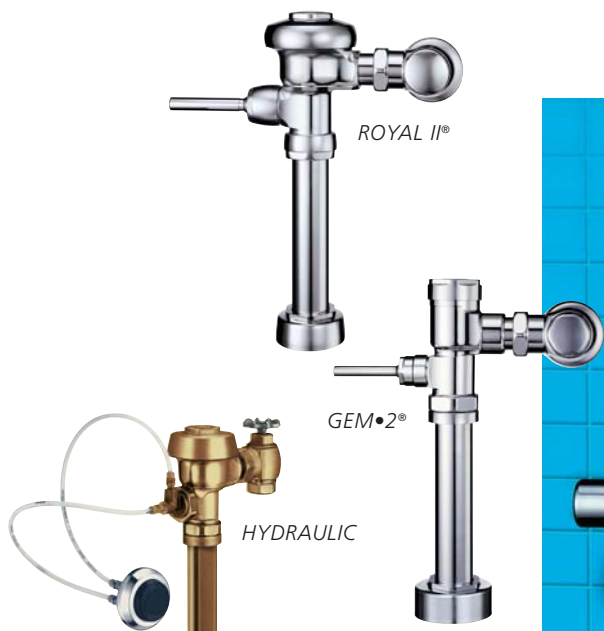


OPTIMA®



Sloan's manual Flushometer lines include the world's most popular flush valve: the Royal®. Restroom visitors have come to expect the convenience and advantages of using Sloan electronic and manual Flushometers.

Water conservation is a priority for "green" buildings, and Sloan Optima Flushometers do their part for the environment with features that reduce water usage and waste. And facility owners and property managers will be pleased with how Sloan Flushometers are easy to maintain and are engineered to work consistently and reliably for years to come.



ELECTRONIC FAUCETS AND MANUAL FAUCETS

Sloan's complete line of touchless faucets allows unlimited design options for applications ranging from public restrooms and surgical settings to executive washrooms and foodservice areas.

Sloan's Optima Faucets are attractive, yet fully functional, while providing the inherent benefits of water conservation and improved hygiene.



Sloan's newly expanded faucet line includes manual faucets, as well as electronic models such as the ERF-885 with wireless RF connectivity. Electronic hand-washing faucets are suitable for a variety of applications, including restrooms in offices, industrial and commercial applications.

Gooseneck faucets offer hygienic hand-washing for hospitals, care centers, restaurants, laboratories and more.

There's a Sloan faucet to meet your every application—whether electronic or manual.



SF-2100/SF-2150



QT-1521



QT-1320



ERF-885



SF-2200/SF-2250

SINKS AND RESTROOM ACCESSORIES

Sophisticated designs and manufactured to provide long life for today's restrooms, SloanStone® Solid Surface Lavatory Systems meet ADA requirements when coupled with Optima® touchless faucets.

Sloan offers a full line of products with the most hygienic handwashing equipment available today, as well as the fastest hand dryers and an array of metal finish choices that give designers many artistic options.



ELS-42080

Sloan's Royal® Flushometers are available in these special finishes:



Satin

Brushed Nickel

Chrome

Lustre Gold

Polished Brass



ELC-42100



ESS-3200



ELS-43600



ESD-20080



EWF-43000



EHD-501

SINKS AND RESTROOM ACCESSORIES

Flushometer Valve Comparison Chart

	BEST		BETTER		GOOD	BEST	BETTER	GOOD
	Diaphragm Models					Piston Models		
	Royal II®	Royal®	Sloan Valve	Regal® XL	Regal®	Crown® II	Crown®	Gem®2®
Superior Aesthetics	X					X		
Synthetic Rubber Diaphragm w/Fixed Dual Filtered By-Pass	X	X						
Synthetic Rubber Diaphragm w/Linear Filtered By-Pass with Vortex Cleansing Action			X	X				
Piston Operated w/O-ring Protected Filtered Metering By-Pass Orifice						X	X	X
Natural Rubber Segment Diaphragm w/Fixed Metering By-Pass Orifice					X			
ADA Compliant Handle w/Triple Seal Packing	X	X				X	X	
ADA Compliant Handle			X	X	X			X
Bak Chek® Control Stop w/Free Spinning Vandal Resistant Cap	X	X						
Bak Chek® Control Stop w/Locking Vandal Resistant Cap			X			X	X	X
Bak Chek® Control Stop w/Hex Nut Cap with Set Screw				X				
High Back Pressure Vacuum Breaker w/One Piece Bottom Hex Coupling	X	X				X		
Sweat Kit with Cast Set Screw Wall Flange	X	X	X	X		X		
High Copper-Low Zinc Brass Castings	X	X	X	X	X	X	X	X
Non-Hold Open and No External Volume Adjustment to Ensure Water Conservation	X	X	X	X	X	X	X	X
Fixed Volume Accuracy w/CID Technology	X	X	X	X				
Fixed Volume Accuracy w/Para-Flo® Technology					X			
Fixed Volume Accuracy, Low Consumption Only						X	X	
Fixed Volume Accuracy w/LPLC Technology						X	X	X

Choosing Faucets by Features

	ELF-10, ESF-20	ESF-30	ETF-80	EBF-85, -187	EBF-85R, -187R	ERF-885	ETF-880	ETF-500, -500S	EBF-550, -550S	ETF-600	EBF-650	ETF-610	EBF-615	ETF-660, -700, -700S, -770	EBF-750, -750S	AAF-100P	AAF-100P ISM	AAF-100P ISM DPU IC	AAF-150	AAF-150 ISM	AAF-150 ISM DPU IC	AAF-200	AAF-200 ISM	AAF-200 ISM DPU IC	AAF-250	AAF-250 ISM	AAF-250 ISM DPU IC	AAF-275	AAF-275 ISM	
Optima® Hardwire Faucets	X	X	X				X	X	X		X			X	X	X	X					X	X	X						
Optima Plus® Battery-Powered Faucets	X			X	X			X	X	X	X	X		X					X	X	X				X	X	X	X	X	
Optima Plus® Battery-Powered Faucets with plug-in transformer					X																									
Fiber Optics				X	X																									
Wireless						X																								
Adaptive Sensing	X	X		X	X	X										X	X	X	X	X	X								X	X
Extend-A-Rinse™									X	X	X				X															
Scrubminder™									X	X	X				X															
Body Bounce Sensing	X	X																												
Below Deck Mixing Option	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X							X			X	
Above Deck Ceramic ADA Compliant Mixing Option	X		X	X	X	X						X	X	X	X	X			X						X				X	
6 VDC Plug-In Transformer																X	X	X				X	X	X						
Cast Brass 4" Center Set									X	X																				
Cast Brass Pedestal											X	X																		
Integral Temperature Control Spout Mixer "ISM"																X	X		X	X		X	X		X	X		X	X	
Drain Pop-Up "DPU"																			X		X		X					X		
i.q.-cliq™																			X		X		X					X		
Solar Powered Faucets																													X	X

HOW TO SPECIFY SLOAN FLUSHOMETERS

Review the specifications listed next to each model number. Then determine if your application is for a "Water-Saver" or a "Low Consumption" flushing application.

Orders should state:

1. Name of Flushometer—ROYAL, REGAL, GEM, etc.
2. Model Number.
3. Letters designating Variation(s) if any.
4. CONCEALED FLUSHOMETERS: In addition to the above, concealed flushometers require a wall thickness measurement or "L" dimension, which is actual wall thickness + 2-3/4" (to the nearest whole inch).

FLUSH VOLUMES

Sloan Flushometers are precision metering valves designed to deliver a preset volume of water to a sanitary fixture. These flush volumes have been established by various United States and International Standards.

gpf = gallons per flush Lpf = Liters per flush

• Water Closets

- Water Closet Flushometers can be supplied with the following flushing volumes:
 - 3.5 gpf (13.2 Lpf) **Water Saver**
 - 1.6 gpf (6.0 Lpf) **Low Consumption**
 - 2.4 gpf (9.0 Lpf) **European style bowls**

• Urinals

- Urinal Flushometers can be supplied with the following flushing volumes:
 - 3.5 gpf (13.2 Lpf) **Conventional** (1-1/4" spud urinals only)
 - 1.5 gpf (5.7 Lpf) **Water Saver**
 - 1.0 gpf (3.8 Lpf) **Low Consumption**
 - 0.5 gpf (1.9 Lpf) **Ultra-Low Consumption**

• Service Sinks

- Service sink Flushometers are supplied with the following flushing volumes:
 - 6.5 gpf (24.6 Lpf)

The above flushing variations can be supplied with: *ROYAL, SLOAN VALVE, REGAL, GEM, DOLPHIN*, OPTIMA & G2 OPTIMA PLUS FLUSHOMETERS.*

*Adjustable valves. May be field adjusted to meet specialized needs.

SPECIAL FINISHES

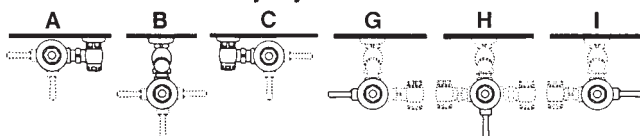
Sloan Flushometers for exposed applications are provided with a standard Chrome Plated Finish as standard. Concealed Valves are unplated (rough brass finish) but exposed components are chrome plated. Special Finish options include:

- Polished Brass "PVDPB"
- Lustre Gold (24k) "PVDGP"
- Satin Finish "SF"
- Brushed Nickel "PVBDBN"
- Antique Brass* "AB"

*Antique Brass finish available on Act-O-Matic shower heads only.

VALVE INLET & HANDLE POSITIONS

Body Style Variations



Position of Inlet designated by A, B, or C Position of Handle designated by G, H, or I

SOLENOID OPERATED VALVES

Solenoid operators for ROYAL, REGAL & Prison Flushometers

Solenoid operators for Exposed and Concealed Flushometers can be used with Timers, Electric Push Button and other control devices to flush the valve.

- "ES" = 120VAC or 24 VAC
- "ESM" = Solenoid with special connector for use with Microplumb Controls Systems only
- "ES-S" = OPTIMA Sensor operated valves

CONTROL STOPS

Sloan Flushometers are provided with a Series H-700 Bak Chek Control Stop.

- Straight Stop = "E" Variation
- Screw Driver Stop = "F" Variation
- Wheel Handle Stop = "K" Variation

Adjustable Ground Joint Flushometers. This feature allows for installation of replacement valve without the removal of the old Supply Stop.

To furnish a valve less Supply Stop, use the "XD" Variation. Consult Maintenance Guides for additional Control Stop information.

BUMPERS

Bumpers are used to prevent toilet seats from making contact with the valve. The following Bumpers are available:

- Angle Stop Bumper = "YO"
- Angle Stop Extended Bumper = "YG"
- Single Wall Bumper = "YH"
- Double Wall Bumper = "YI"
- Flush Tube Bumper = "YN"

HANDLES & PUSH BUTTONS

Valves may be supplied with alternative Handle and Push Buttons to meet installation requirements.

- ADA Compliant Handle = "ADA"
- Metal Oscillating Handle = "J"
- Metal Index Push Button = "L"
- 3" Metal Oscillating Push Button = "L-3"

Sloan Handles and Push Buttons are furnished Chrome Plated unless otherwise stated. Handles are also available with:

- Bio-Gard Coating = "BG" Variation
- Nickel-Silver Finish = "YA" Variation

PIPE SUPPORTS

Pipe supports are used to secure the Vacuum Breaker flush tube to the wall.

- Split Ring Pipe Support = "YJ" Variation
- Solid Ring Pipe Support = "YK" Variation
- Solid Ring w/Seat Bumper = "YL" Variation

VACUUM BREAKERS & FLUSH CONNECTIONS

Flushometers are supplied with a Vacuum Breaker Flush Connection to prevent back siphonage. Variations are available as follows:

- Valve Less Vacuum Breaker = "XYV"
- Offset Vacuum Breaker = "O" (specify: 1", 1-1/2" or 2" offset)

Flush Tube Sizes:

Water Closet – 1-1/2" Urinal – 3/4" or 1-1/4"

NOTE: If your valve requires a different diameter Vacuum Breaker or inlet tube than designated, use the following Variations:

- 1-1/2" Flush Connection = "T"
- 1-1/4" Flush Connection = "U"
- 1" Flush Connection = "V"
- 3/4" Flush Connection = "W"
- Trap Primer = "TP"
- Anti-Food Device = "AFD"

SWEAT KITS & ADAPTERS

For copper tube water supply line.

- Sweat Adapter, Stamped Wall Flange & Casing Tube = "YB"
- Sweat Adapter, Cast Set Screw Wall Flange & Casing Tube = "YBYC"
- Cast Set Screw Wall Flange for iron pipe = "YC"

NOTE: When specified with Act-O-Matic Shower Head, kit includes Shower Arm.

LIMITED WARRANTY

Sloan Valve Company warrants its products to be made of first-class materials, free from defects in material or workmanship under normal use and to perform the service for which they are intended in a thoroughly reliable and efficient manner when properly installed and serviced, for a period of three years from date of purchase. During this period, Sloan Valve will, at its option, repair or replace any part or parts which prove to be thus defective if returned to Sloan Valve Company, at customer's cost, and this shall be the sole remedy available under this warranty. No claims will be allowed for labor, transportation or other incidental costs. This warranty extends only to persons or organizations who purchase Sloan Valve Company's products directly from Sloan Valve Company for purposes of resale.

There are no warranties which extend beyond the description on the face hereof. In no event is Sloan Valve Company responsible for any consequential damages of any measure whatsoever.



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