



SLOAN.

OPTIMA[®] SYSTEMS

ADVANCED ELECTRONIC PLUMBING SYSTEMS





FLUSHOMETERS (BATTERY POWERED)

The World's Most Advanced Electronic Flushometer.

- Prevents detection errors caused by lighting conditions and reflective surfaces such as mirrors or stainless steel
- Minimizes field adjustments, saving the installer time
- Selectable 24-hour "Sentinel" automatic flush for improved hygiene
- NEMA 6 compliant against moisture for unequalled reliability and performance
- Gold-plated battery contacts for consistent electronic connections
- Unparalleled vandal resistance



Retrofit kits available for Royal® or Regal® Flushometers.



OPTIMA® FLUSHOMETERS (AC POWERED)

The Industry Gold Standard for Reliability in High-Traffic Environments.

- “Smart” sensing operation works even under the harshest operating conditions
- High-copper, low-zinc brass alloy construction
- Extremely low maintenance costs
- Complies with local and federal water use regulations
- Meets ADA accessibility requirements



111-ES-S



186-1-ES-S



OPTIMA Plus® FAUCETS (BATTERY POWERED)

Modern Styling with Advanced
Technology for Lasting Performance.

- Low battery indicator signals need for maintenance
- Combination faucet with soap dispenser option
- Variety of aesthetics to match any design direction



EBF-550 with
Showerhead



EBF-85 battery faucet
uses advanced fiber
optic technology.



EBF-187



EAF-250-ISM



EBF-650



EBF-750



EBF-85



EAF-150-ISM



EBF-615



EBF-550

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OPTIMA® FAUCETS (AC POWERED)

Contemporary Styling with the Latest in Solid-State Technologies.

- Broad product offering for a variety of applications
- Water temperature – user controlled or pre-tempered
- Low maintenance – self-diagnostic electronics
- Combination faucet with soap dispenser option



EAF-100-ISM



The industry's most popular electronic faucets (ETF-80, EBF-85), and the industry's newest soap dispenser (ESD-200, ESD-250) make a perfect combination.



ETF-80



ETF-600



ETF-660



ETF-700



ETF-80



EAF-100-ISM



ETF-610



ETF-770



ETF-500

OPTIMA[®] SINKS AND WASH STATIONS

Proven Ways to Control Hygiene with Low-Voltage,
Sensor Operation.

- Adjustable thermostatic mixing (above or below deck)
- Front panel provides easy access to all components
- Shipped pre-plumbed and pre-wired for fast installation
- Easy-to-clean design reduces housekeeping costs
- Filtered solenoid valve with serviceable strainer filter



**EHS-1770
Handwashing Sink**



**ESS-2200-H
Double Station
Scrub Sink**



**ESS-3200
Deluxe Double Station
Scrub Sink**



SLOANSTONE® SOLID SURFACE SOLUTIONS

Dependable Optima Electronics with Durable Solid Surface.

- SloanStone is stain, chemical and heat resistant
- Pre-plumbed with electronic controls for fast installation
- Available in a variety of colors and configurations to complement your design style



ELS-43600
Triple Station with
ETF-600 Faucets



ELC-73000
Double Station with
ETF-80 Faucets and
ESD-200 Soap Dispenser



ELC-42150
Featuring EAF-150 Faucets

EW-72000
Double Station Solid
Surface Lavatory
System



OPTIMA® ACCESSORIES

XLERATOR® HAND DRYER

The First Hand Dryer to be GreenSpec® Approved.

- Ultra-fast (10- to 15-second dry time), towel-free drying
- 90% savings vs. paper towel costs
- Available in chrome or white
- Sensor activated – no buttons to touch or paper/cloth towels to purchase or clean up
- One-piece, heavy-duty die-cast construction
- Tamper-resistant screws
- Surface mount
- Maintenance-free motors

EHD-501 XLerator®
Hand Dryer



SLOAN HAND DRYERS

Quiet, Efficient Units
Provide Years of
Dependable, Trouble-
Free Service.



EHD-351



EHD-451



EHD-120

- Powerful flow of warm air starts automatically
- Durable, die-cast housing
- Recessed or surface mount options
- Complementary color selections

MIXING VALVE OPTIONS

Optima® Faucet Water Temperature
Mixing Valves Offer Added Comfort.



MIX-100-A
Above Deck
Mechanical
Mixing Valve

- Below Deck Mechanical Mixing Valve
- Below Deck Thermostatic Mixing Valve
- Above Deck Mechanical Mixing Valve

ELECTRONIC SOAP DISPENSERS

The Latest in Sensor-Activated
Pre-Measured Soap Dispensing.



ESD-200/ESD-250

- Chrome-plated, cast-brass body with brass shank
- Easily replaceable soap cartridge with integral soap path
- Encourages frequent handwashing

OTHER OPTIMA® ACCESSORIES



Grid Strainer
ETF-460-A



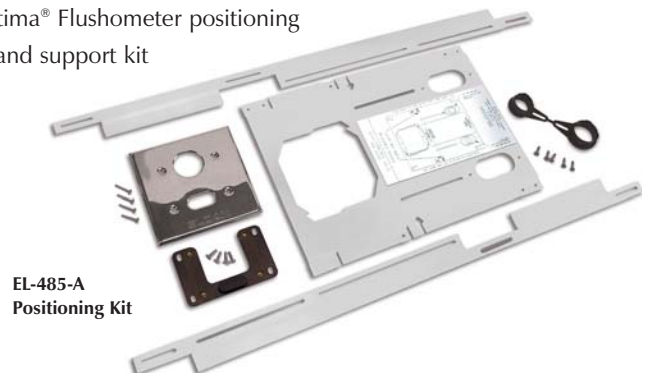
Optishield®
ETF-529

- Grid Strainer
- Optishield® Lavatory Protective Enclosure
- Trim Plate options for Sloan Faucets
- Transformer options for Sloan Optima® 24 VAC Faucets



EL-154
Box Mount Transformer

- Optima® Flushometer positioning kit and support kit



EL-485-A
Positioning Kit

WHAT KIND OF IMAGE DOES A BUILDING REALLY PROJECT?

Is it one that reflects a bold style? Does it incorporate the latest innovative exterior and interior designs in dramatic continuity? Does a building reflect the current strategies in construction techniques? Or strive to uphold a tradition?

One of the common elements that has a profound impact on all buildings – regardless of type – is the restroom.

Optima® Systems are comprised of electronic Flushometers, faucets, soap dispensers, sinks and hand dryers. They have been installed in thousands of restrooms in the finest buildings throughout the world. Sloan's Optima Systems provide outstanding performance and dependable operation, while promoting tenant hygiene, and enhancing a building's value.

SPECIAL NOTE TO SPECIFIER

Sloan Valve Company offers a complete line of Optima® products for any type of installation. It is extremely important that the right product matches the right installation. The tables presented are Sloan's recommendations to assist you. While Sloan battery products work in all applications, Sloan recommends using hardwire in all high traffic installations. Please contact your Sales Representative with any questions.

OPTIMA® SYSTEMS MEET TODAY'S BUILDING CHALLENGES

Restrooms present unique challenges for owners, engineers and facility managers. The wrong restroom fixtures can negatively impact each of these areas of responsibility.

For example, a restroom that is constantly in need of attention puts the owner's prestige on the line because it projects a poor image. Such a restroom challenges the engineer's decisions – and reputation. Plus, a high-maintenance restroom costs the facility manager time and money, because there is an ongoing, and oftentimes losing, battle to maintain superior performance.

OPTIMA® SYSTEMS SELECTION CHART

	Faucets hardwire	Faucets battery	Flushometers hardwire	Flushometers battery
High Traffic, Heavy Abuse	ETF-600, ETF-610	EBF-650, EBF-615	110-ES-S, 111-ES-S, 152-1.6-ES-S*	G2 Optima Plus® 8110 G2 Optima Plus 8111
High Traffic, Normal Abuse	EAF-100, ETF-80, ETF-610, ETF-880	EAF-150, EAF-250, EBF-85, EBF-187, EBF-615	110-ES-S, 111-ES-S	G2 Optima Plus 8110 G2 Optima Plus 8111
Low Traffic, Heavy Abuse	ETF-600, ETF-610	EBF-650, EBF-615	110-ES-S, 111-ES-S, 152-1.6-ES-S*	G2 Optima Plus 8110 G2 Optima Plus 8111
Low Traffic, Normal Abuse	EAF-100, ETF-80, ETF-610, ETF-880	EAF-150, EAF-250, EBF-85, EBF-187, EBF-615	110-ES-S, 111-ES-S	G2 Optima Plus 8110 G2 Optima Plus 8111

NOTES: Special faucets are recommended for use with high polished stainless steel lavatories. Contact your Sales Representative for additional information.

Faucets and Flushometers shown are generally available in special finishes. They are Polished Brass PVD, Lustre Gold PVD, Satin, Chrome and Brushed Nickel.

*Available with access panels.

NOTES: Optima® hardwire and battery Flushometers are available with the following flush deliveries to meet new construction and retrofit requirements.

Closet Flushometers
 3.5 gpf/13.2 Lpf – WATER SAVER
 1.6 gpf/6.0 Lpf – LOW CONSUMPTION
 Optima Plus® retrofit units are available with
 4.5 gpf/17 Lpf flush for very old water closets.

Urinal Flushometers
 1.5 gpf/5.8 Lpf – WATER SAVER
 1.0 gpf/3.8 Lpf – LOW CONSUMPTION
 0.5 gpf/1.9 Lpf – ULTRA-LOW FLUSH
 Optima Plus retrofit units are available with
 3.5 gpf/13.2 Lpf flush for old blow-out style urinals.

Royal® exposed valves are also available in hardwire as Royal II® and/or Continental®.

Models 110 and 8110 available for retrofit market where existing fixtures are being used.

WHAT ARE YOUR RESTROOM TRAFFIC PATTERNS?

The benefits of using Sloan products in a restroom are:

- **Water Conservation.** Optima sensors react to the presence of users and turn ON/OFF automatically. Using electronic fixtures can save 30% more water by turning off faucets automatically.
- **Improved Hygiene.** Optima Systems feature no-touch activation. They help control the spread of infectious diseases and are ADA compliant.
- **Reduced Odor.** Optima Systems reduce the need for chemicals and keep the restroom fresh by flushing after each use.

Restroom usage can be classified under four basic traffic patterns.

Pattern One:

High Traffic, Heavy Abuse

Pattern Two:

High Traffic, Normal Abuse

Pattern Three:

Low Traffic, Heavy Abuse

Pattern Four:

Low Traffic, Normal Abuse

A Sloan Sales Representative can assist you in choosing the right Optima System for your needs, including helping you evaluate water conditions, water requirements, regulations and other factors that play into your final decision.

They will also keep you apprised of the latest trends in codes and standards compliance, as well as inform you of new product introductions.

Identify your traffic type and use the chart to match your needs. There's an Optima System to meet every traffic pattern.

Urinal Flushometers		Hand Dryer	SloanStone®	Scrub Sinks	Wash Stations
hardwire	battery	hardwire	hardwire/battery	hardwire	hardwire
186-1-ES-S, 186-ES-S, 195-1-ES-S*	G2 Optima Plus 8186 G2 Optima Plus 8186-1	EHD-300 Series, EHD-400 Series, EHD-500 Series	EWF-Series	Not Applicable	EHS-Series
186-1-ES-S, 186-ES-S	G2 Optima Plus 8186 G2 Optima Plus 8186-1	EHD-120	ELC-Series	ESS-Series	EHS-Series
186-1-ES-S, 186-ES-S, 195-1-ES-S*	G2 Optima Plus 8186 G2 Optima Plus 8186-1	EHD-300 Series	EWF-Series	Not Applicable	EHS-Series
186-1-ES-S, 186-ES-S	G2 Optima Plus 8186 G2 Optima Plus 8186-1	EHD-120, EHD-400 Series, EHD-500 Series	ELC-Series	ESS-Series	EHS-Series

*Available with access panels.
Models 186 and 8186 available for retrofit market where existing fixtures are being used.

NOTE: Hand dryers are applicable in all installations.

OPTIMA® GOOSENECK FAUCETS SELECTION CHART

	Regular Bend		Regular Bend with Shower Spray Head		Surgical Bend		Surgical Bend with Shower Spray Head	
	hardwire	battery	hardwire	battery	hardwire	battery	hardwire	battery
Deck Mount	ESF-20, ETF-700, ETF-770	EBF-750	ESF-20-H, ETF-700-H	EBF-750-H	ESF-20-S, ETF-700-S	EBF-750-S	ESF-20-S-H, ETF-700-S-H	EBF-750-S-H
Back Mount	ETF-500, ESF-30	EBF-550	ESF-30-H, ETF-500-H	EBF-550-H	ESF-30-S, ETF-500-S	EBF-550-S	ESF-30-S-H, ETF-500-S-H	EBF-550-S-H

NOTE: Back mount faucets are ideally suited for food service applications.

SLOAN – THE WORLD LEADER IN ELECTRONIC PLUMBING SYSTEMS

WORLD'S LARGEST

Since 1906, Sloan has been acknowledged as the leader in plumbing technology. Today, Sloan Flushometers are installed in every country, in every type of building, throughout the world. For more than three decades, Sloan has pioneered the use of electronics in engineered plumbing products and systems. The Optima® and Optima Plus® product lines have provided architects, engineers, and their clients with the latest plumbing technology. Sloan sells more electronic plumbing fittings than all other manufacturers combined!

RELIABILITY

Sloan Optima® Systems have operated reliably in the world's most demanding environments for decades.

SUPPORT NETWORK

Our commitment to your satisfaction extends well beyond the sale of our products. It begins with people dedicated to supporting our product and ensuring your needs are satisfied. Your projects are backed by Sloan's knowledgeable staff, including: technical support, customer service, and our worldwide network of Sales Representatives.

TRAINING

Sloan Sales Representatives are expert in Sloan products. They are willing and able to train your staff, as well as respond to your specific needs, and the needs of your customers.

AVAILABILITY

Optima® Systems and parts are readily available through Sloan's Optima Distributor network, making Optima the most widely available electronic plumbing offering in the world.

Check Product Catalog or www.sloanvalve.com for specific product features.

For more information on
Optima Systems or any other
Sloan product, contact:



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