

Introduction to Sloan Touch-free Soap Dispensers

Presenters



Kim Darke-Miller
Strategic Account Manager
Chicago, IL



Morgan Butts
Sr. Product Line Manager
Franklin Park, IL

Agenda

- Soap dispenser types
- Soap refill types
- Comparison criteria for decision making
- Sink options
- Installation and warranty considerations
- Soap dispenser trends and inspiration

Soap Dispenser Types

Mounting Type

- Wall
- Deck
- Integrated

Activation Type

- Sensor
- Manual

Fill Type

- Below-deck
- Top-fill



Shown: Sloan [DSG-84000](#) Sink in Corian Glacier White with Laminated Cabinet Enclosure and [EBF-85](#) Faucet and [ESD-800](#) Soap Dispenser

Mounting Type

- Wall
 - Low cost
 - Ease of cleaning
- Integrated
- Deck-mount
 - More attractive design
 - Less cluttered look
 - Vandal resistance
 - Less water and cleaner soap drips



Shown: Sloan [DSVR-83000](#) Vessel Sink with Corian Linen Countertop and Laminated Cabinet Enclosure with [BASYS EFX-200](#) Faucet and Wall-Mounted GOJO Soap Dispenser

Activation

- Manual vs. Sensor
- Battery
- Hardwired (outlet needed)
 - Plug in
 - Hardwired
- Battery/hardwired
- Daisy chain



Shown: Sloan [DSG-82000](#) Gradient sink in Corian Blue Pebble with [BASYS EFX-250](#) Faucet, [ESD-400](#) Soap Dispenser and BASYS Hand Dryer all in [PVD Graphite](#). In mirror [HYB-7000](#) Wall-Hung Urinal.

Faucet & Soap Dispenser Combinations

- Ease of specification
- Can be purchased as a set or mix and match
- Separately available in special finishes



ESD-500/BASYS



ESD-2000/EAF-200/275



ESD-1500/EAF-100/150



ESD-800/ETF-80/880



ESD-700/EAF-750



ESD-2100/SF-2100



ESD-600/ETF/EBF-600/615

Sloan (SF) Faucet Series Pairing

- Dependable performance for cost-driven applications
- The rugged and dependable [SF Series](#) delivers reliability and easy installation without sacrificing style, performance, or ease of maintenance.

Features and benefits:

- Below-deck controls
- Power options include battery and hardwired with battery backup



Shown: SloanStone [ELS-41000](#) Sink in Sand (SS) with [SF-2100](#) Faucet and [ESD-2100](#) Soap Dispenser

Optima (EBF, ETF and EAF) Faucet Series Pairings

- Reliable, built to last
- With 5 designs available with matching soap dispenser pairings, there's a sense of style for any application

Features and benefits:

- Control box and [Sloan Connect](#) smartphone app
- Above and below deck access
- Some units available in [special finishes](#)
- Battery, solar, hardwired, and turbine power options



BASYS (EFX) Faucet Series Pairing

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.

Features and benefits:

- Above-deck access to key components
- Interchangeable crowns on faucets
- Battery, solar, hardwired, and turbine power options
- Available in special finishes
- Custom engravings available for faucets



Special Finishes

Special Finishes

- The finishing touch to any commercial restroom
- We've created a range of [special finishes](#) for every environment, including graphite, brushed nickel, brushed stainless, and polished brass, in addition to our standard polished chrome
- Sloan's proprietary Physical Vapor Deposition (PVD) special finish process enhances our products' resistance to chemicals and abrasion by bonding the finish at the molecular level. When compared to powder coating or immersion processes that are typically used, the durability of PVD ensures a long-lasting finish that will stand up to commercial use.



Special Finishes

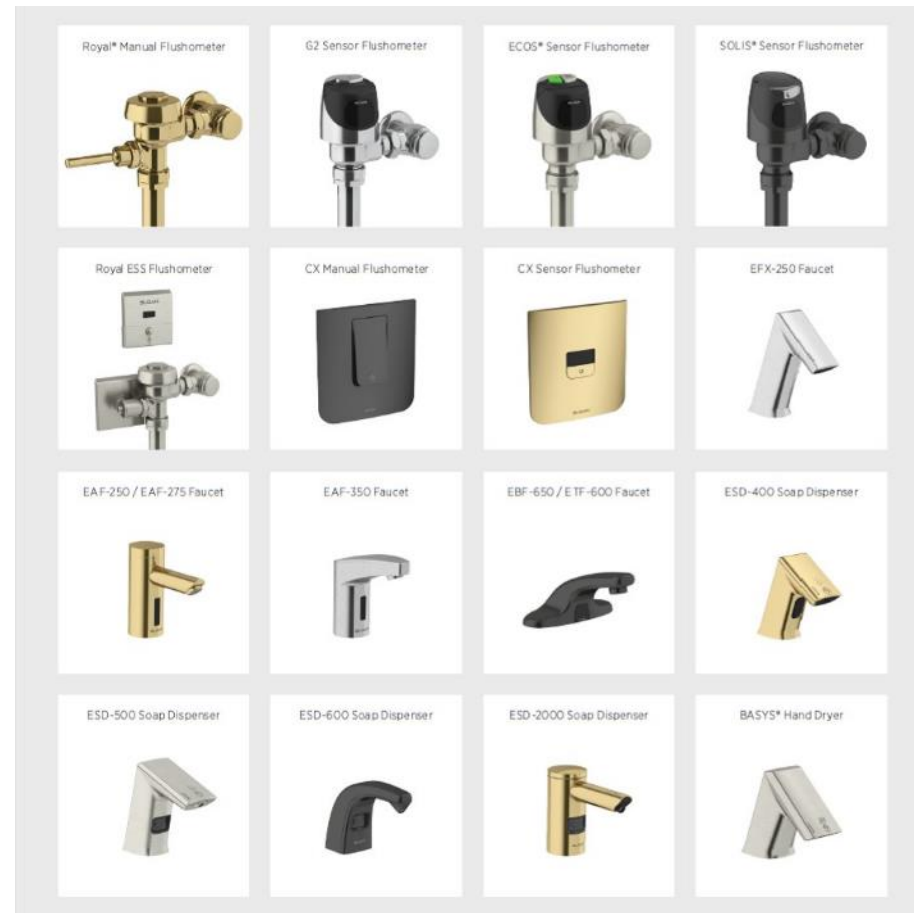
- Inventory program – Some units available in inventory with no MOQ. The units have on average a 30% mark up over those same items in chrome
- Specials – Large MOQ, long lead time (+12 weeks)



Shown: Sloan [DSWD-82000](#) Weir Deck with Individual Basins and laminated cabinet enclosure. With [EAF-275-ISM](#) Faucet and [ESD-2000](#) Soap Dispenser both in [PVDBN Brushed Nickel Finish](#).

Finishes for a Full Range of Products

- From faucets to soap dispensers, flushometers to hand dryers, Sloan offers a full range of products in special finishes to give architects and designers the tools they need to unify their design with one cohesive aesthetic
- All products are available in standard polished chrome finish
- For a full listing of products available in special finishes, visit [our website](#)



Soap Options

Liquid vs. Foam

- Foam and liquid - the two options for commercial applications
- Benefits of foam soap
 - Restroom users like the feel of the soap
 - Rinses cleaner to reduce drain maintenance
 - Reduces drips, stains and clogs
 - Less solids than liquid soaps
 - 10% less water used during hand wash process

<https://www.gojo.com/en/Newsroom/Blog/2014/Liquid-Soap-Water-Savings-Battle>



Shown: Sloan [DSOF-82000](#) Open Front Sink with [EFX-250](#) Faucet and [ESD-500](#) Soap Dispenser both in [PVDPB Polished Brass Finish](#).

Liquid vs. Foam

Sloan GOJO Soap Refills

- No color, no scent foam refill
- Fully recyclable PET style bottle that uses 30% less material than HDPE versions of the same size
- Durable bottle for commercial applications
- 2 Size options 1.5L and 2.3L
- Usage 1ml per use
- Refills available from Sloan and GOJO distributors



Usage

Soap bottle usage

- Office building
 - typically 6L of soap per year
 - (4 small bottles, 2.6 large bottles)
- High traffic (train station)
 - 35L of soap per year
 - (23 small bottles, 15 large bottles)
- Continuous usage (Vegas)
 - 100L of soap per year
 - (67 small bottles, 43.5 large bottles)



Who is GOJO?

- Family-owned business since 1946
- Based in Akron, OH
- The GOJO Purpose: Saving Lives and Making Life Better Through Well-Being Solutions
- Invented:
 - First waterless heavy duty hand cleaner
 - First portion-controlled soap dispenser
 - PURELL® Instant Hand Sanitizer



Closed vs. Open Systems

U.S. Centers for Disease Control and Prevention (CDC), Health Canada and the World Health Organization (WHO) have all recognized the bacterial contamination risk of “topping up” refillable bulk soap dispensers and have issues guidelines against it. (2,5,6)

Bulk System	Closed System
Time and Effort pouring from Jug. Messy Pour, cleanup required	Easy and fast change out of refills
Permanent nozzles clog easily and block soap from coming out	Fresh nozzle with each refill, no maintenance required
1 out of every 4 refillable bulk dispensers are contaminated with unsafe levels of bacteria, leaving hands with up to 25 times more germs after washing than before(4)	Each soap cartridge is factory-sealed to lock out germs, and each includes a fresh nozzle

2. Health Canada Guidance Document for Human-Use Antiseptic Drugs. December 2009. pg 32.
3. Chattman M, Maxwell S, Gerba C. 2011. Occurrence of heterotrophic and coliform bacteria in liquid hand soaps from bulk refillable dispensers in public facilities. *J Environ Health.* 73(7):26-29.
4. Zapka C, Campbell E, Maxwell S, Gerba C, Dolan M, Arbogast J, Macinga D. 2011. Bacterial hand contamination and transfer after use of contaminated bulk-soap-refillable dispensers. *Appl Environ Microbiol.* 77(9):2898-2904.
5. Centers for Disease Control and Prevention. Guideline for Hand Hygiene in Health-Care Settings: Recommendations of the Healthcare Infection Control Practices Advisory Committee and the HICPAC/SHEA/APIC/IDSA Hand Hygiene Task Force. *Morbidity and Mortality Weekly Report.* October 25, 2002 / Vol. 51 / No. RR-16. Accessed at <http://www.cdc.gov/handhygiene/Guidelines.html> on May 18, 2010.
6. World Health Organization (2009) WHO Guidelines on Hand Hygiene in Health Care. Geneva, Switzerland: World Health Organization Press.

WELL Building Standard

- “Since liquid soap in bulk refillable dispensers is prone to bacterial contamination, utilizing sealed liquid soap cartridges reduces the possibility for bacterial contamination and significantly reduces bacteria on hands whereas contaminated refillable dispensers increase bacteria on hands after hand-washing. Hand washing sinks should also provide sufficient room for washing one’s hands without touching the sink sides, to prevent possible recontamination.”
- Liquid soap in dispensers with disposable and sealed soap cartridges

<https://standard.wellcertified.com/nourishment/hand-washing>



Shown: SloanStone [ELRF-81000](#) Round Front Sink with [EBF-650](#) Faucet and [ESD-600](#) Soap Dispenser, [Royal 111 ESS](#) Flushometer with [ST-2459](#) Wall-Hung Water Closet

A modern public restroom with a long white sink, colorful tiled walls, and a large mirror. The walls are decorated with a grid of blue, green, and white tiles. The sink has several faucets. A large mirror is mounted on the wall above the sink, reflecting the room. The ceiling has recessed lighting. The overall atmosphere is clean and bright.

Comparison Criteria for Decision Making

Comparison Criteria

- Soap type (foam vs. liquid)
- Price per actuation (\$0.01)
- Closed system – no contamination
- Superior aesthetics
- Superior design – zinc spout with commercial testing
- Refill included
- Dispenser price





Sink Options

Sink Options

Vitreous china

- Pre-molded hole options

Solid surface

- Integrated
- On-deck

Quartz or natural stone

- On-deck

For on-deck options – enclosure styles available to limit access to refill bottle



Shown: [SS-3065](#) Wall-Mounted Ledgeback Vitreous China Lavatory with [SF-2300](#) Faucet and Wall-Mounted GOJO Soap Dispenser

Sink Options

Vitreous china

- Pre-molded hole options

Solid surface

- Integrated
- On-deck

Quartz or natural stone

- On-deck

For on-deck options – enclosure styles available to limit access to refill bottle



Shown: SloanStone [EW-72000](#) Sink with Integrated Faucet and Soap Dispenser in White

Sink Options

Vitreous china

- Pre-molded hole options

Solid surface

- Integrated
- On-deck

Quartz or natural stone

- On-deck

For on-deck options – enclosure styles available to limit access to refill bottle



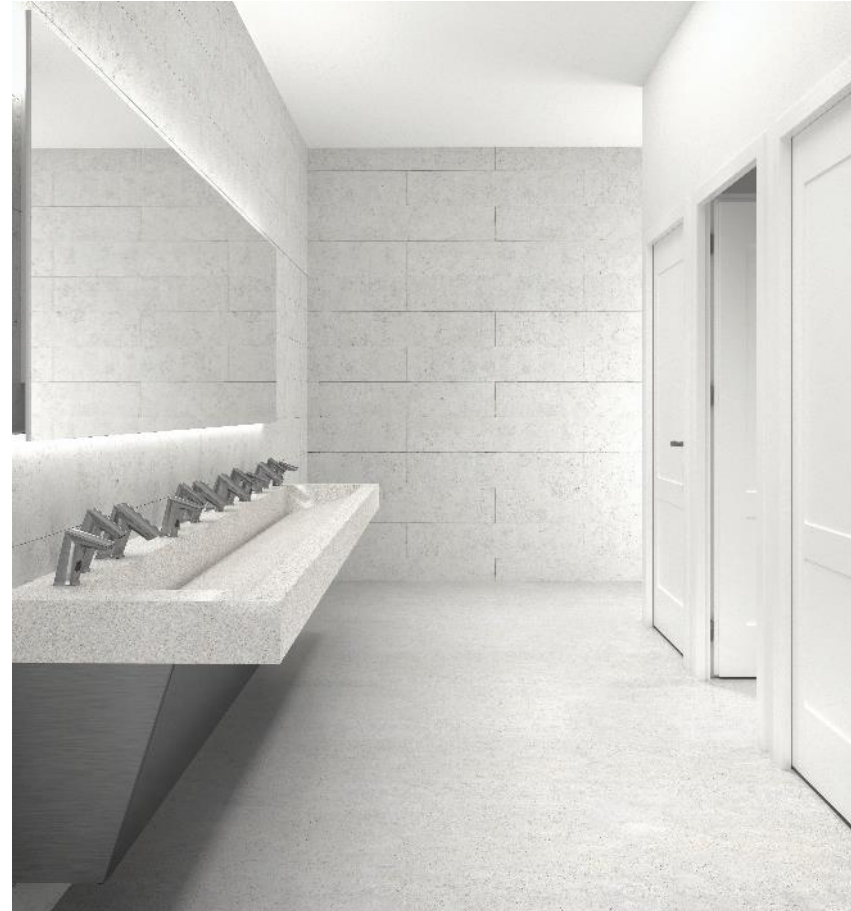
Shown: [CX 8158](#) Sensor Flushometer with [ST-2469](#) Water Closet, [AER-DEC Integrated Sink System](#) with BASYS [EFX-250](#) Sensor Faucet, [ESD-500](#) Soap Dispenser, and BASYS Hand Dryer (for AER-DEC only) in [PVDGR Graphite Finish](#).



Installation & Warranty Considerations

Installation Considerations

- Installation
 - Free area under the sink for the motor, refill bottle and easy access for change outs
 - Sink thickness – typically 2” or less
 - Custom sinks – trough thickness and reach access



Sink Considerations

- Small bowls can create double actuation



Troubleshooting and Warranty

- Troubleshooting
 - Step 1 – Power to the unit
 - Step 2 – Soap
- Warranty
 - If non-Sloan soap used, warranty will be void



Shown: SloanStone [ELWF-82000](#) Waterfall Sink in Matrix Light Grey with [EAF-200](#) Faucet and [ESD-2000](#) Soap Dispenser.

Soap Dispenser Trends

- Hand washing becoming even more critical focus throughout the world
- Manual to sensor retrofits and spec updates growing
- Hand washing outside of the restroom
- Top-fill closed soap system



Shown: [DSG-81000](#) Gradient Sink with [EAF-250](#) Faucet and [ESD-2000](#) Soap Dispenser, [G2 8186](#) Sensor Flushometer with [SU-7409](#) Designer Urinal, [Sloan Optima Air Hand Dryer](#)

Projects



O'Hare Airport

- **Sink:** [AER-DEC](#)
- **Material:** Corian Arctic Ice
- **Mounting:** Laminated cabinet style enclosure with Applewood Dark Octolam
- **Featuring:** [BASYS](#) style faucet, soap dispenser, and hand dryer in chrome finish, 2-height design, individual basins, and baby changing stations
- O'Hare International Airport is located in Chicago, IL



Westfield Annapolis Mall

- **Sink:** [AER-DEC](#)
- **Material:** Corian Limestone Prima
- **Mounting:** Stainless steel angled enclosure with vertical pullout cabinet style trash enclosures in Octolam Selva Cremoso
- **Featuring:** [BASYS](#) style faucet, soap dispenser, and hand dryer in [Polished Brass](#) finish, trash holes, and paper towel dispenser holes
- **Showcasing:** [Special finishes](#)
- Westfield Annapolis is a shopping mall with 192 stores near Annapolis, Maryland



Chase Center

- **Sink:** [Designer Series Gradient \(DSG\)](#)
- **Material:** Corian Natural Gray
- **Mounting:** Angled brackets
- **Featuring:** Optima [EAF-250-ISM](#) faucets and matching [ESD-2000](#) soap dispensers in [Brushed Nickel finish](#)
- **Showcasing:** [Special finishes](#), [faucet-soap dispenser pairing](#)
- Home to the Golden State Warriors, the arena hosts concerts and events as a sports and entertainment hub in San Francisco, California.



Cornerstone Center

- **Featuring:** Sloan [SF-2200](#) faucet and Optima [ESD-700](#) soap dispenser
- **Showcasing:** [Faucet-soap dispenser pairing](#)
- The Cornerstone Center of LaSalle Street Church hosts a wide range of events and programs to cater to its various demographics, including counseling meetings and food drives, women's Bible study, weddings, and movie nights for local children





Additional Resources

- [Learn More about Sloan Soap Dispensers](#)
- [Soap Dispenser Selector](#)
- [Faucet and Soap Combo Sell Sheet](#)
- [Faucet and Soap Combo Selector](#)
- [Sloan Sinks](#)
- [Case Studies](#)
- [Infographics](#)
- [Videos](#)
- [Continuing Education](#)
- [Faucet Finder](#)
- [Flushometer Finder](#)
- [History of Sloan](#)
- [Sloan's Weekly Blog](#)





Questions?

Upcoming Sloan Training Webinars



June 18th

Sloan Sensor 101
Installation, Start-Up,
Function and
Troubleshooting



June 25th

Commercial Restroom
Products and ADA
Compliance

Upcoming Sloan Training Webinars



July 2nd

Flushometer Care and
Maintenance Part 1 –
Manual Diaphragm Units



July 9th

Power Supply Options
and Installation
Recommendations for
Sloan Sensor Faucets



July 16th

Sustainability and Sloan
Commercial Restroom
Products

Training Comments, Questions, or Suggestions?

Andrew Warnes
Manager – Technical Training
Sloan Valve Company
10500 Seymour Avenue
Franklin Park, IL USA 60131-1259

Office: +1-800-982-5839
E-mail: training@sloan.com
Web: sloan.com

Thank You