

Replacing Manual Faucets with Touch-Free Automatic Sensor Faucets

Best Practices and Options to Consider



Presented by

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Presenters



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Agenda

This presentation will cover:

- Why “high-touch” surfaces can be risky
- The market response to “touch-free” options
- Variations in automatic faucet types - how to select the best options for your facility
- How to avoid making the wrong choices for your facility
- Best practices



CDC Handwashing Recommendations

1. Wet your hands with clean running water (warm or cold) and apply soap
2. Lather your hands by rubbing them together with the soap
3. Scrub all surfaces of your hands, including the palms, backs, fingers, between your fingers, and under your nails. **Keep scrubbing for at least 20 seconds.** Need a timer? Hum the “Happy Birthday” song twice
4. Rinse your hands under clean, running water
5. Dry your hands using a clean towel or air dry them



Why 'High-Touch' Surfaces Can Be Risky

“Surface areas in general are reservoirs for viruses, bacteria, and other germs, when you sneeze into the environment, the respiratory particles can land on surfaces.

Simply touching a contaminated surface won't give you COVID-19, but then touching your mouth, nose, or eyes can transfer the virus to those sensitive spots, allowing the virus to enter the body and cause infection.”

Manish Trivedi, M.D., Director, Division of Infectious Diseases and Chairman of Infection Prevention and Control, AtlantiCare Regional Medical Center, NJ



Regular handwashing is one of the best ways to remove germs, avoid getting sick, and prevent the spread of germs to others.

Doing it correctly is critical.

The Market Associates ‘Touch-Free’ with ‘Safer’

“

“We have installed, or are in the process of installing, hands-free faucets and self-flushing toilets and urinals at all city facilities.”

City of Fayetteville, NC



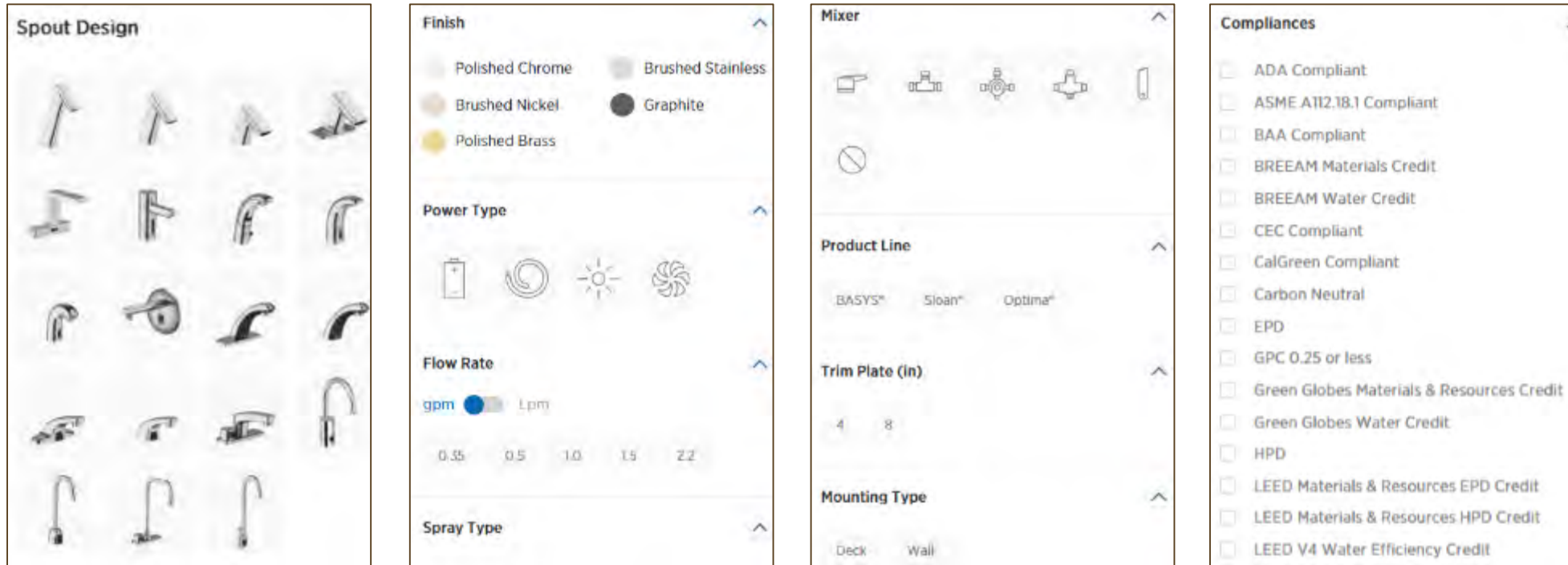
Designing Office Building Lobbies to Respond to the Coronavirus

“Touch-free design solutions and air purifiers can enhance workplace wellness.”

*J. Kevin Heinly, Gensler
Research and Insight*

Sloan Faucet Finder

Browse automatic sensor faucets by style, features, options, or certifications with the [Sloan Faucet Finder](#). Find your faucet, and easily drill down to individual spec sheets.



Options for Key Component Access



Above Deck Access

- Service without having to work under the sink deck
- Spouts are larger and wider



Below Deck Access

- Spouts are thinner and sleeker controls can be mounted behind chases or in ceilings
- Service work is under the sink deck

Options for Touch-Free Sensing Types



Infrared Sensor

- Senses the reflection of infrared light when a valid “target” is within range
- Range can be adjusted



Capacitance (Proximity) Sensor

- Senses the electrical field surrounding a valid “target” when within range
- Range can be adjusted
- **Cannot be used on metal sinks** (including enamel coated cast iron) or near large metal objects

Options for Flow Rates and Spray Types

Flow Rates

- 0.35 GPM / 1.3 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



Aerated
Not for Healthcare



Laminar



Shower Head

What to Know before Selecting the Right Sensor Faucet

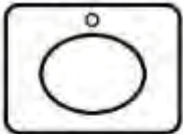
Site-specific details that will impact your choices

Existing Mounting Types

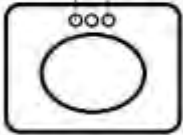
Deck Mount

Wall Mount

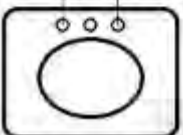
Single Hole



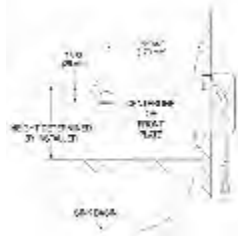
4" Center Set



8" Center Set



Deck Thickness



Wall Thickness

Chase Depth

Basin type, size, depth, faucet mounting setback, mirrors, and shelves



Small



Medium



Large



Scrub



Pedestal



Vessel

Temperature Mixing Requirements

(Single or Dual Line?)



MIX60 Below Deck Manual Mixing Valve



MIX135 Below Deck Thermostatic Mixing Valve
ASSE 1070 Compliant



"ISM" Integrated Side Mixing Valve



What to Know before Selecting the Right Sensor Faucet

Site-specific details that will impact your choices

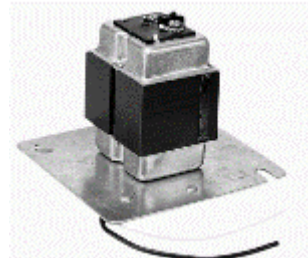
Existing/Desired Power Supply and Location



Battery



Hardwired -
Adapter Plug
with Battery Back-Up



Hardwired -
Wall Transformer
with Battery Back-Up



Solar Energy
Harvesting with
Battery Back-Up



Turbine Energy
Harvesting with
Battery Back-Up

Considerations before Selecting the Right Sensor Faucet

Details that will impact your choices



Installation Time



Standardized Components



Quick Connects

Post Install Service and Maintenance Time



Twist off/Shut off Solenoids



SloanConnect

Initial Acquisition Cost

BASYS®

✓ Best

Optima®

✓ Better

Sloan® "SF"

✓ Good

Post Install Spares and Replacement Costs



Common off-the-Shelf Battery Types



Turbine Energy Harvesting



Solar Energy Harvesting

Considerations for Use Types



Public Use (Transient Populations)

- **Low to mid height to prevent splashing and slip and fall liability**
- Integrated bases for vandal resistance
- 0.5 gpm/1.9 Lpm flow rates
- 30 second timeout



Private Use (Non-Transient Populations)

- **Goosenecks, higher flow rates, line flush and laminar sprays for surgical scrub and healthcare applications**
- Goosenecks and high-body faucets for industrial oil and grease removal

Considerations for Use Types



High Frequency Use

- Heavy transient populations in Airports, Stadiums, Arenas, Schools, etc.
- **250+** activations per day



Low Frequency Use

- Low user count of **250 or less**
- activations per day
- Often same persons



Intermittent Use

- Large swings from high to low usage. Occasional inactive periods – often prolonged
- Applies to seasonal industries

Recommendations for Use Types



High Frequency Use

- **Low to mid height to prevent splashing and slip and fall liability**
- Hardwired or Hybrid Energy Harvesting to reduce battery use
- Integrated bases for vandal resistance



Low Frequency Use

- **Line Flush to avoid stagnant water in supply lines**
- Best application of very low flow rates



















Intermittent Use

- **Line Flush to avoid stagnant water in supply lines and dry p-traps (sewer gas release)**
- Low to mid height to prevent splashing and slip and fall liability









High Frequency Use Faucet Options

Not all Sloan faucet options are shown

	Low	Medium	High	Gooseneck	Wall
Best	  <p>BASYS EFX 600</p>	  <p>BASYS EFX 200</p>	  <p>BASYS EFX 100</p>	  <p>Optima EAF 700</p>	  <p>BASYS EFX 800</p>
Better	   <p>Optima ETF 600</p>	  <p>Optima EAF 200</p>	  <p>Optima EAF 100</p>	   <p>Optima ETF 700</p>	   <p>Optima ETF 800</p>
Good	  <p>SF 2100</p>	  <p>SF 2300</p>	  <p>SF 2400</p>	  <p>SF 2200</p>	

Low Frequency Use Faucet Options

Not all Sloan options are shown

	Low	Medium	High	Gooseneck	Wall
Best	  <p>BASYS EFX 650</p>	  <p>BASYS EFX 250</p>	  <p>BASYS EFX 150</p>	  <p>Optima EAF 750</p>	  <p>BASYS EFX 850</p>
Better	   <p>Optima ETF 650</p>	   <p>Optima EAF 275</p>	  <p>Optima EAF 150</p>	   <p>Optima ETF 750</p>	   <p>Optima ETF 850</p>
Good	  <p>SF 2150</p>	  <p>SF 2350</p>	  <p>SF 2450</p>	  <p>SF 2250</p>	

Healthcare Use Faucet Options

Not all Sloan options are shown

	Mid	High	Gooseneck	Surgical Bend Gooseneck	Wall
Best	 <p>BASYS EFX 277</p>	 <p>BASYS EFX 177</p>	 <p>Optima EAF 700</p>		 <p>BASYS EFX 800</p>
Better	 <p>Optima EAF 200</p>	 <p>Optima EAF 100</p>	 <p>Optima ETF 700S</p>	 <p>Optima ETF 700SH</p>	 <p>Optima ETF 500 SH</p>
Good					

Touch-Free Accessories

- Faucet-matching soap dispenser pairings
- Sloan AER-DEC Integrated Sink Systems



Key Special Features or Options



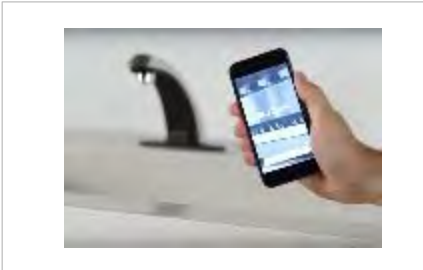
TOUCH FREE OPERATION

Helps prevent the spread of infection by eliminating user contact



MULTIPLE SPOUT SIZES

Offering a variety of functional and aesthetic options.



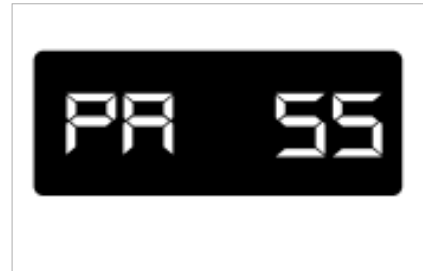
SLOAN CONNECT APP

Adjust settings, monitor usage and water use and diagnose wirelessly



SOLAR ENERGY HARVESTING

Uses ambient light to extend the life of batteries up to 10 years. For low to moderate usage.



SELF GUIDED INSTRUCTION

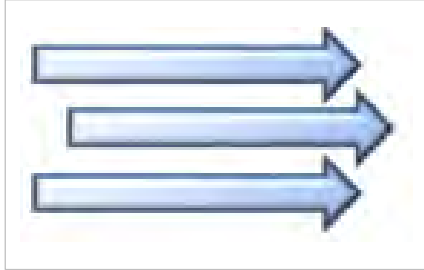
BASYS Healthcare Faucet Display guides caregivers through CDC recommended hand wash guidelines



TURBINE ENERGY HARVESTING

Uses energy of moving water to extend the life of batteries up to 10 years. For moderate to high usage.

Key Special Features or Options



LINE FLUSH

Adjustable line flush function purges stagnant water that can lead to bacterial growth.



AUTOMATIC SHUTOFF

Maintenance crews can shut off the water supply simply by twisting the solenoid on many models.



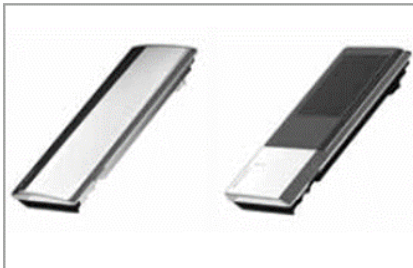
VISIBLE DIAGNOSTICS

LED indicators communicate the “health” of batteries and other items taking guesswork out of repairs.



SINGLE TOOL ACCESS

No special tools are required to access or change components.



MODULARITY

Many shared components simplifies ordering, installing, upgrading and repairing.



IP67 WATERPROOF RATINGS

NEMA 6 equivalent water and dust protection of electronic components.

Additional Sloan Remote Training Resources

Product Installation and Service Videos



Whitepapers



Gaining Perspective on Water Efficiency Through LEED v4.0

The new LEED v4 rating system expands the Water Efficiency section to include all types of water use — process, appliances, cooling towers, outdoor water and fundamental metering requirements.

Infographics



Continuing Education Courses



The Restroom of the Future: Designing Connected, User-Friendly, and Sustainable Commercial Restrooms

This course examines the technological advancements, sustainable features, and design trends in the commercial restroom brought about by the emergence of the Internet of Things (IoT), sustainability initiatives, and forward-thinking restroom designs and innovative technologies.

To receive links to all Sloan Remote Training Materials contact your local Sloan Representative or send a note to training@sloan.com

Upcoming Sloan Webinars

Date and Times

Subject

Who should attend?

Thursday, April 9th, 2020
10am and 2pm CST

Strategies and Best Practices for Converting Facilities from Manual to Touch Free Sensor Flushometers

Facility Managers, Contractors, Plumbers, wholesalers and others who wish to learn how to select the best touch-free Flushometer type for varying applications.

Thursday, April 16th, 2020
10am and 2pm CST

Sloan Sinks – How to Delight Customers
-An Intro to Sloan's Offering
-Showcase Previous Installations
-Answer some frequently asked questions

Architects
Interior Designers
General Contractors

Thursday, April 23rd, 2020
10am and 2pm CST

Piston vs. Diaphragm – What's the difference and what's best for me? How to select the best type of flushometer for your application.

Facility Managers, Engineers Contractors, Plumbers, and Wholesalers

To receive an invitation for upcoming Sloan webinars contact your local Sloan Representative or send a note to training@sloan.com

Questions?

Training Comments, Questions, or Suggestions?

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