

## The AER-DEC Integrated Sink

Step up to the future of sustainable restroom design — the AER-DEC Integrated Sink. The AER-DEC is the perfect innovation for any high-end washroom. Soap dispenser, faucet, hand dryer, and sink basin all designed to work together as one beautiful, touch-free, hygienic, highly efficient system.

### The Ecosystem

The AER-DEC Integrated Sink brings all-in-one functionality to the washroom by saving space on the walls by relocating the soap and hand drying units to the sink deck. Soap, faucet and hand dryer, all right at the users fingertips. The combination of actions is so seamless because the AER-DEC itself is an innovative engineering collaboration between industry leaders Sloan® and Stone & Steel. The sophistication of AER-DEC is matched only by its flexibility and efficiency. Eliminating soap and hand-drying areas can create room for extra stalls to reduce congestion or a smaller overall restroom. The AER-DEC Integrated Sink offers designers and architects endless options and possibilities including size, configuration, material, and color options. On their own, the individual elements of the AER-DEC are exceptional. Together they are nothing short of extraordinary — creating a fully integrated sink.

Each component of the AER-DEC is designed to meet the challenges of today's current washroom landscape. The Sloan Soap Dispenser overcomes hygiene issues with its touch-free design. The BASYS® Faucet is the revolutionary sensor-activated faucet from Sloan, they are field researched and specifically engineered to meet the demands of the commercial plumbing industry. The Sloan® High-Speed Hand Dryer overcomes the four issues with conventional hand dryers of being too loud, nowhere for the water to go, being unhygienic, and unappealing in terms of aesthetics. The hand dryer also solves the problems of wet floors from the walk to the paper towels and eliminates the need for users to wipe their hands on their pants. All these elements work in concert with the AirBasin™ to provide a high-end look and feel to go along with unmatched functionality. The AirBasin also helps eliminates backsplash and updrafts with its patent-pending air dam technology.

### The AER-DEC Integrated Sink consists of four primary elements:

- AirBasin
- BASYS Sensor-Activated Faucet
- Sloan High-Speed Hand Dryer
- Sloan Touch-Free Soap Dispenser

## AirBasin™

Designed by luxury vanity experts Stone & Steel, the AirBasin™ is specifically engineered to work with the faucet and dryer. The patent-pending design redirects water and airflow to eliminate backsplash and updrafts through its air dams. The AirBasin can be customized in terms of size, configuration, mounting, and color. The AirBasin is available in multiple materials: Quartz (Silestone® or DuPont™ Zodiaq®) and DuPont™ Corian®. The DuPont™ Corian® is available in over 100 colors to match the design in mind. The AirBasin can be custom cut to fit your washroom design or is available in the standard 30", 60", 90", and 120" sizes. While beauty is a major component of the basin, functionality is what sets it apart, patent-pending air dams are the main component in this functionality. The AirBasin controls air and water flow and makes sure it ends up back in the drain rather than on the user. All basins are 23.5" deep and meet ADA standards when properly installed.

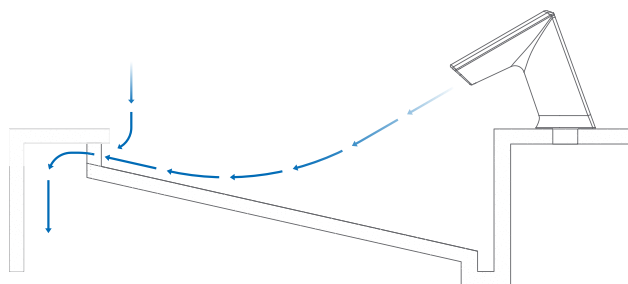


### Basin Customizability:

- Size
- Mounting Options
- Configuration
- Material
- Color
- Number of Systems
- Individual or Trough Style

### Optional Features:

- LED Illuminated Basins or Drains
- Custom Trash Receptacles
- Coat & Purse Hooks
- Mirrors



*The AER-DEC AirBasin redirects air and water and features patent-pending air dams to eliminate backsplash and updrafts.*

## Sloan® Touch-Free Soap Dispenser

The Sloan® Soap Dispenser is the next evolution in soap dispenser technology. Its Active Infrared sensor technology offers hands-free operation by delivering a pre-measured foam soap application on demand. The touch-free operation promotes hygiene and helps minimize cross contamination. The soap dispenser emits 1.2 mL of HEALTHMINDER™ foam soap whenever a user's hands enter the area. The Active Infrared sensor works as the user's hands enter the beam's effective range, the beam is reflected back into the sensor receiver, and activates the solenoid valve allowing a single soap application to flow from the spout.

The soap dispenser body itself is specifically designed to match the other elements of the AER-DEC and provide a consistent, contemporary look. It uses a refill bottle that simplifies replacement and reduces waste, making routine maintenance even easier. The soap dispenser deck unit has a low soap indicator for convenient change and maintenance. The Sloan Soap Dispenser provides for a cleaner sink deck as it has a built in no drip feature and any residual soap falls into the sink and down the drain rather than onto the deck. With it's design to hang over the sink deck like the other elements of AER-DEC any excess soap is washed away down the drain by the faucet. The dispenser runs on a 120 VAC plug-in. The soap reservoir is hidden behind the enclosure panel .



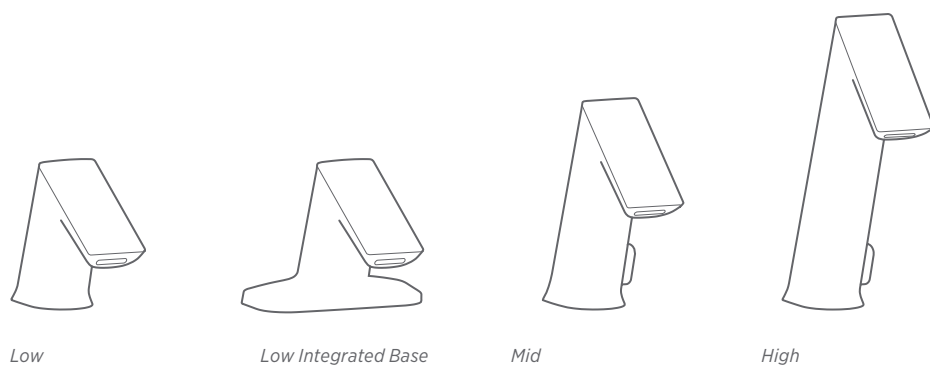
## BASYS® Sensor-Activated Faucet

The BASYS® Faucet is the revolutionary faucet from Sloan® and is the centerpiece of the AER-DEC Integrated Sink. Improved sanitation is the most obvious benefit of its touch-free fitting. Since these faucets have no handles, there is less means of spreading dirt or harmful bacteria from one user to the next. Touch-free operation also makes the faucets accessible to virtually anyone, regardless of age or physical ability. Another plus is water conservation. Sensor-activated faucets eliminate wasted water flow by discharging only what the user needs. Water flow rates for lavatories vary from a maximum of 2.2 gallons per minute (gpm) to 1.5 gpm for the new EPA WaterSense standard, with many public restrooms using just 0.5 gpm. BASYS systems are universally designed with three flow rates: 0.50 gpm multi-laminar spray, 1.5 gpm full stream aerated, and 1.5 gpm full stream laminar.

BASYS Faucets also have multiple power harvesting options. The first and most common is the battery-operated option. The faucet uses 4 “AA” batteries, unlike other sensor-activated faucets that use a custom designed battery that must be ordered when a replacement is needed and can't be disposed of through conventional methods. The BASYS can also be hard wired through a 120 volt plug-in and adapters are sold for gang installation where up to 6 faucets can be plugged into a single adapter. The final power option for BASYS is an option for solar harvesting, where the panel collects light from around the room and charges the capacitor. A minimum light level of 50 LUX is required for the solar harvesting option and it features a built in occupancy sensor, so that when not in use the unit can go to sleep.

BASYS is available in two sensing options. The first is Active Infrared sensing is the standard on all models, although some models are available with capacitance sensing technology. The benefits of Active Infrared sensing models include optional user enhancements and the potential for solar harvesting. Capacitance models can incorporate turbine-generated power and are more vandal resistant. Electronics on all models are protected to IP-67 (the unit is totally protected against dust and protected against the effect of immersion between 15cm and 1m). The water temperature can be pre-tempered or with hot/cold water temperatures. All BASYS Faucet systems are designed with one tool service in mind and use shared parts between all the units. The faucets all feature automatic shut off and have a built in sleep mode in order for easy cleaning.

The BASYS Faucet line features models of different sizes for different applications and uses. The Low model also has an integrated base option with the same dimensions of the low model, but with a longer base. Any configuration of the BASYS model can be used as part of the AER-DEC which adds even more customizability. All the flexibility of BASYS is available in AER-DEC and adds to the endless possibilities for a designer.



For more information about the AER-DEC Integrated Sink, please visit [sloanvalve.com/aer-dec](http://sloanvalve.com/aer-dec) or call 800.982.5839.

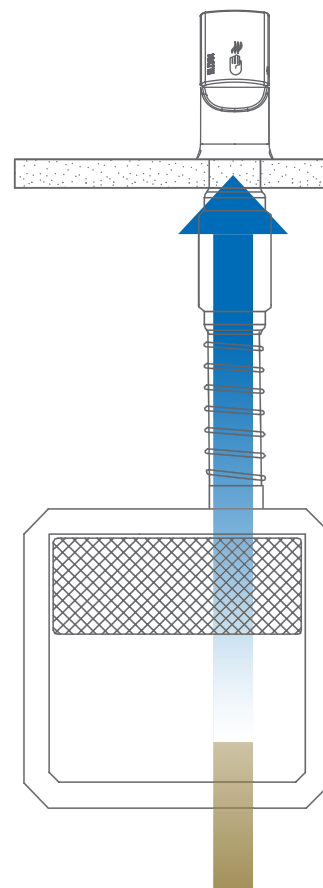
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## Sloan® High-Speed Hand Dryer

The Sloan® High-Speed Hand Dryer is finally where you need it. AER-DEC brings the power and innovation of the Sloan Hand Dryer off the wall and right to your hands. The Sloan Hand Dryer consumes less energy than conventional hand dryers by utilizing sensor activation and automatic shut-off.

The Sloan High-Speed Hand Dryer solves the four major issues consumers have with conventional hand dryers: being too loud, nowhere for the water to go, being unhygienic, and unappealing in terms of aesthetics. The deck mounted Sloan Hand Dryer as part of AER-DEC is quieter than any other hand dryer on the market as the motor assembly is beneath the sink deck, includes a speed control that allows you to adjust motor speed, and has sound suppression mufflers at the air outlet. The Sloan Hand Dryer also features variable heat control for energy savings. The Sloan Hand Dryer in conjunction with the AirBasin stops the air and water from blowing back on the user and forces it down the patent-pending air dam. The Sloan Hand Dryer as part of AER-DEC uses a HEPA Air Filter which removes 99% of bacteria at 0.3 microns from the air stream. The AER-DEC Integrated Sink solves the problem of being unappealing by removing the Sloan Hand Dryer from the wall and putting it on the sink deck and having its design match the rest of the unit.

The Sloan High-Speed Hand Dryer runs on a 110 volt 12.5 amp circuit. The dryer only requires 500 watts or less with built in speed control. The hand dryer with heat requires 1500 watts or less with speed control. The Sloan Hand Dryer must be plugged into a dedicated 20 amp GFI safety circuit. The Sloan Hand Dryer as part of AER-DEC comes equipped with a sound muffler that attaches the smallest blower spout on the market to the 3/6" hose that attaches to the motor assembly in order to further make the unit the quietest on the market. The motor assembly for the hand dryer is completely concealed behind the enclosure panel helping to reduce sound. The deck mounted Sloan Hand Dryer air outlet is one of the smallest hand dryers on the market.

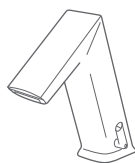


*Purifying HEPA Air Filter removes 99% of bacteria at 0.3 microns.*

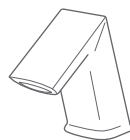
# AER-DEC® Integrated Sink



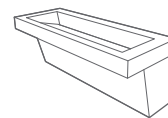
**Sloan® Soap Dispenser**



**BASYS® Faucet**



**Sloan® Hand Dryer**



**AirBasin™**

<b>SIZE</b>	Width: 2.00 inches (50.8 mm) Depth: 4.40 inches (118 mm) Height: 4.50 inches (114.3 mm)	Width: 2.00 inches (50.8 mm) Depth: 6.50 inches (165.1 mm) Height: 6.50 inches (165.1 mm)  Measurements shown are for BASYS MID	Width: 3.00 inches (76.2 mm) Depth: 6.51 inches (165.4 mm) Height: 5.62 inches (142.7 mm)	30 inches, 60 inches, 90 inches, 120 inches or custom
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<b>COLOR</b>	Chrome	Chrome	Chrome	100+ DuPont™ Corian® colors
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<b>MATERIAL</b>	Zinc	Zinc	Zinc	DuPont™ Corian® or Quartz
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<b>DETAILS</b>	<ul style="list-style-type: none"> <li>One piece construction</li> <li>Active Infrared sensor</li> <li>Easy loading disposable soap refills</li> <li>Low soap level indicator</li> <li>Foam soap refill of 1,000 mL</li> <li>Dispenses 1.2 mL of pre-measured soap</li> <li>120 VAC plug-in</li> </ul>	<ul style="list-style-type: none"> <li>All serviceable components above deck</li> <li>Active Infrared sensor (optional capacitance sensing)</li> <li>Supply strainer serviceable from above deck</li> <li>Single hole installation</li> <li>Adjustable time-outs</li> <li>Mechanical mixing, integral to spout, optional</li> <li>Faucet can be configured to add solar and/or LCD display</li> <li>One tool service</li> <li>Gold plated electrical contacts</li> <li>Choice of battery, solar harvesting, or plug-in AC adapter</li> </ul>	<ul style="list-style-type: none"> <li>Active Infrared sensor</li> <li>Adjustable speed and sound suppression air delivery system for quietest operation 67 dB - 75 dB</li> <li>HEPA Air Filter removes 99% of bacteria at 0.3 microns</li> <li>Uses less energy than conventional hand dryers</li> <li>95% cost savings over paper towel use</li> <li>Eliminates paper towel maintenance and waste</li> <li>Helps qualify for several LEED® v4 credits</li> <li>1440 watts / 110 volts / 12 amps</li> <li>Plug in or hard wired</li> </ul>	<ul style="list-style-type: none"> <li>Built in air dam technology that eliminates backsplash and updrafts</li> <li>Highly functional ergonomic hand washing basin</li> <li>A monolithic console</li> <li>Surface, alcove, or floating mount</li> <li>Available in Quartz (Silestone® or DuPont™ Zodiaq®)</li> <li>Basins can be sized to project requirements</li> <li>Build into your design or build around it</li> <li>Easy installation</li> <li>ADA compliant if properly installed</li> </ul>
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**WARRANTY** 3 year warranty for the AER-DEC Integrated Sink (*limited – see [sloanvalve.com](http://sloanvalve.com) for details*)

For more information about the AER-DEC Integrated Sink, please visit [sloanvalve.com/aer-dec](http://sloanvalve.com/aer-dec) or call 800.982.5839.

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Water Connects Us™

## High Traffic Washrooms

The AER-DEC Integrated Sink is a perfect fit for high traffic washroom as it accomplishes all three steps in hand washing, without the user having to take any. The AER-DEC is available in custom or standard sizes and can be installed in single fixture set up or in a trough style set up. With all components at your fingertips it eliminates the need for the user to walk across the room to dry their hands, making for a cleaner and safer washroom. When the AER-DEC is used properly it will keep water off the floor of the washroom, making for a safer environment with reduced risk of slip and fall. The AER-DEC using the BASYS® Sensor-Activated Faucet assists in water conservation with its automatic shutoff and the Sloan® High-Speed Hand Dryer assists in the reduction of paper waste. Engineered to be service-free, they are backed by Sloan's best-in-industry warranty. Hand dryers help meet operational requirements to reduce non-recyclable waste. Hand dryers are user-ready 24 hours a day and don't need to be monitored for paper refills. The hand dryers promote hygiene; washrooms stay cleaner and more sanitary when they are used. Eliminates removal of bacteria-laden towels. Hand dryers help reduce vandalism by eliminating clogs from paper towels, fire hazards and damage from thrown paper towels on walls and ceilings. The combination of all the components make the AER-DEC perfect for any high traffic washroom environment.



**The AER-DEC Integrated Sink is perfect for high traffic areas such as:**

- Airports
- Service Stations
- Restaurants
- Shopping Malls
- Sport Stadiums
- Movie Theaters
- Convention Centers
- Office Buildings
- Hotels
- Schools
- Hospitals



## Summary

The AER-DEC Integrated Sink solves most of the issues in today's commercial washroom. Its clean and simple design is an easy addition to any washroom design, and it even removes the soap dispenser and hand dryer from the wall. The AirBasin™ keeps users clothes dryer than ever before and the hands-free operation of the entire unit makes for a more hygienic washroom. The AER-DEC can be made to fit any design as well as traditional 30", 60", 90", and 120" options. With a variety of colors available in DuPont™ Corian® or Quartz (Silestone® or DuPont™ Zodiaq®) the AER-DEC is as aesthetically pleasing as it is functional. Years of innovation by Sloan® and Stone & Steel will be on display with the release of the AER-DEC Integrated Sink and allow users to do all three steps, without taking any.

Sloan® is the world's leading manufacturer of commercial plumbing systems and has been in operation since 1906. The company is at the forefront of the green building movement and provides sustainable restroom solutions by manufacturing water-efficient products such as flush valves, electronic faucets and soap dispensing systems, sink systems and vitreous china fixtures for commercial, industrial and institutional markets worldwide. Since 1906, Sloan has been the world's leading manufacturer of water-efficient solutions that are built to perform, guaranteed to last, and are designed with the hopes of promoting a healthy environment through water conservation. Each of our divisions specializes in helping us offer reliable products that will ultimately improve the quality of life of the customers and communities we serve.

Sloan's mission is to passionately preserve the environment. Sloan's vision is to be the global leader most renowned for providing smart, clean and sustainable restroom solutions. Sloan Valve Company, headquartered in Franklin Park, Illinois, is where all of our disciplines can collaborate under one roof. From refining manufacturing processes to leading corporate initiatives, our headquarters directs and drives company-wide technological innovation and quality craftsmanship to ensure the value of excellence is passed along every step of the way.

### For more information, contact:

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