



## SOLIS® Sensor Flushometer

### SOLIS 8111 BT-1.6/1.1-CP

#### Product description

1.6/1.1 gpf, Dual-Filtered Fixed Bypass Diaphragm, Polished Chrome Finish, 1.5" Flush Connection, Fixture Connection Top Spud, Dual Flush, Electrical Override, Solar, 10.5" Vacuum Breaker, SOLIS® Exposed Sensor Water Closet Flushometer.

#### Compliances & Certifications



(ADA Compliant\*, BAA Compliant, IAPMO, cUPC Certified)

#### Code 33700004

##### Finish

 Polished Chrome (CP)

##### Connectivity

 Bluetooth with Sloan Connect App

##### Downloads

-  [Exposed Solis BT Repair and Maintenance Guide.pdf](#)
-  [Control Stop Repair and Maintenance Guide.pdf](#)
-  [Flush Connections Flanges Repair and Maintenance Guide.pdf](#)
-  [Tail Piece Repair and Maintenance Guide.pdf](#)
-  [Additional Downloads](#)

##### Videos

-  [PVD Special Finishes](#)

## Details

- Flush Volume: 1.6/1.1 gpf (6.0 / 4.2 lpf)
- Finish: Polished Chrome (CP)
- Power Type: Solar
- Valve: Diaphragm
- Bypass: Dual-Filtered Fixed Bypass Diaphragm
- Valve Body Material: Semi-red Brass
- Fixture Type: Water Closet
- Fixture Connection: Top Spud
- Rough-in Dimension: 11.5" (292mm)
- Spud Coupling: 1.5" (38mm)
- Supply Pipe: 1" (25mm)
- Override: Electrical
- Vacuum Breaker: 10.5"
- Flush Connection: 1.5" (38mm)

## Features

- Wireless connected device for real time diagnostic and adjustable product settings
- Sloan Connect App® readily available for smart phone and tablet devices
- User friendly three (3) second Flush Delay
- "Low Battery" Flashing LED
- Sweat solder adapter with cover tube and cast wall flange with set screw
- State-of-the-art photovoltaic technology delivers solar operation
- Solar Powered- The sensor assembly is powered by a solar cell that will harvest power from the artificial indoor light (incandescent, fluorescent or LED), and use it as the energy source. The solar cell can provide approximately 100% power with 650 illuminance (lux).
- Four (4) Size AA Battery Back-up Power Source
- Operates by means of an infrared sensor with multiple-focused, lobular sensing fields for high and low target detection
- Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- Flex Tube Diaphragm designed for improved life and reduced maintenance
- Engineered Metal Cover with replaceable Lens Window
- PERMEX® Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass
- High copper, low zinc brass castings for dezincification resistance



## Recommended specifications

Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be in compliance with the applicable sections of ASSE 1037 and ANSI/ASME 112.19.2.

## Electrical specifications

- Arming Delay: 16 seconds

## Valve Operating Pressure (Flowing)

15-80 psi (103 - 552 kPa). Specific fixtures may require greater minimum flowing pressure - consult manufacturer requirements.

## Battery Specifications

| Usage     | 4-AA Battery Service Life† |        |          |         |
|-----------|----------------------------|--------|----------|---------|
|           | 26 yrs                     | 20 yrs | 10.6 yrs | 8.6 yrs |
| per month | 500                        | 1,000  | 3,000    | 4,000   |
| per day   | 25                         | 50     | 150      | 200     |

† Service life varies according to actual usage and restroom conditions  
Battery shelf life: Alkaline= ~10 years - Lithium= ~25 years

## Warranty

[View Warranty Information](#)

## Notes

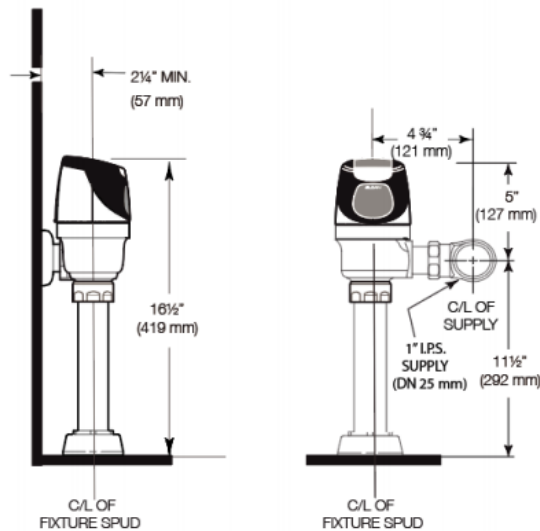
All information contained within this document subject to change without notice.

\*Compliant with ADA accessibility requirements when installed according to ADA standards.

Looking for other variations of the SOLIS 8111 BT product? [View the general spec sheet with all options.](#)

[Find a compatible urinal](#) for this flushometer.

[Find a compatible water closet](#) for this flushometer.



## WHEN INSTALLING IN A HANDICAP STALL:

Per the ADA Guidelines (section 604.9.4)  
 It is recommended that the grab bars be  
 split or shifted to the wide side of the stall.  
 If grab bars must be present over the valve,  
 use the alternate ADA installation as shown  
 to the right.

## ALTERNATE ADA INSTALLATION

Lower water supply rough-in to 10" (254 mm)  
 and mount grab bar at the 36" (914 mm) maximum  
 allowed height (top of grab bar at 36").

