



**SOLIS® Sensor Flushometer**

**SOLIS 8186-0.5-CP**

**Product description**

0.5 gpf, Polished Chrome Finish, Fixture Connection Top Spud, Single Flush, Electrical Override, Solar, SOLIS® Exposed Sensor Urinal Flushometer.

**Compliances & Certifications**








(ADA Compliant, BAA Compliant, BREEAM Materials Credit, BREEAM Water Credit, cUPC Green Certified, EPD, Green Globes Credit, Green Globes Water, HPD, IAPMO, LEED Credit, LEED HPD, LEED Water, Satisfies LEED Credits, EPA WaterSense Listed)

**Code 3370004**

**Finish**

-  Polished Chrome (CP)

**Downloads**

-  Solis 8100 Series Installation Instructions.pdf
-  Control Stop Repair and Maintenance Guide.pdf
-  Flush Connections Flanges Repair and Maintenance Guide.pdf
-  Solis 8100 Series (Spanish) Installation Instructions.pdf
-  Additional Downloads

**Videos**

-  PVD Special Finishes

## Details

- Flush Volume: 0.5 gpf (1.9 lpf)
- Finish: Polished Chrome (CP)
- Power Type: Solar
- Valve: Diaphragm
- Valve Body Material: Semi-red Brass
- Fixture Type: Urinal
- Fixture Connection: Top Spud
- Rough-in Dimension: 11.5" (292mm)
- Spud Coupling: 0.75" (19mm)
- Supply Pipe: 0.75" (19mm)
- Override: Electrical

## Features

- Handle Packing, Main Seat, Stop Seat and Vacuum Breaker Molded from PERMEX® Rubber Compound for Chloramine resistance
- User-friendly, three-second flush delay and Courtesy Flush® override button
- "Low Battery" Flashing LED
- Sweat solder adapter with cover tube and cast wall flange with set screw
- 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
- Synthetic rubber seals for chloramine resistance
- 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
- Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- Engineered Metal Cover with replaceable Lens Window
- ADA Compliant Sloan Solis® Solar Powered Infrared Sensor for automatic "No Hands" operation
- 3/4" IPS screwdriver Bak-Chek® angle stop with vandal resistant stop cap
- User-friendly, three-second flush delay and Courtesy Flush®

## 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

### 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			
	24 yrs	18 yrs	9 yrs	7.2 yrs
per month	500	1,000	3,000	4,000
per day	25	50	150	200

\* Service life varies according to actual usage & 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.

Looking for other variations of the SOLIS 8186 product? [View the general spec sheet with all options.](#)

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

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

WaterSense compliant when used with a 0.5 gpf (1.9 lpf)

WaterSense fixture.

