



SOLIS® Sensor Flushometer

SOLIS 8186-0.5-GR

Product description

0.5 gpf, Graphite Finish, Fixture Connection Top Spud, Single Flush, Solar, SOLIS® Exposed Sensor Urinal Flushometer.

Compliances & Certifications



(ADA Compliant*, BAA Compliant, BABAA Compliant, cUPC Green Certified, EPD, HPD, IAPMO, Satisfies LEED Credits, EPA WaterSense Listed)

Code 3370099

Finish



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: Graphite (GR)
- 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)

Features

- ADA Compliant Sloan Solis® Solar Powered Infrared Sensor for automatic “No Hands” operation
- Main Seat, Stop Seat and Vacuum Breaker Molded from PERMEX® Rubber Compound for Chloramine resistance
 - User-friendly, three-second flush delay
 - “Low Battery” Flashing LED
 - High Copper, low zinc brass castings for dezincification resistance
 - 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
 - Fixed metering bypass and no external volume adjustment to ensure water conservation
 - Infrared Sensor with Multiple-focused, Lobular Sensing Fields for high and low target detection
 - Valve shall be in compliance to the applicable sections of ASSE 1037
 - Valve body, Cover, Tailpiece and Control Stop shall be in compliance with ASTM Alloy Classification for Semi-Red Brass

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. Valve Body, Cover, Tailpiece and Control Stop shall have a PVD Graphite finish.

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

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.

