



SOLIS® Sensor Flushometer

SOLIS 8186-0.5-CP-CN

Product description

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

Compliances & Certifications



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

Code 3370004T

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
- Special Features 1: Carbon Neutral

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 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.

^To obtain the certificate for your carbon-neutral products, please reach out to Sloan's customer support:

customer.service@sloan.com.

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.

