



SOLIS® Sensor Flushometer

SOLIS 8186-1.0-PB

Product description

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

Compliances & Certifications



(ADA Compliant*, BAA Compliant, BABAA Compliant, cUPC Green Certified, IAPMO, EPA WaterSense Listed)

Code 3370088

Finish

 Polished Brass (PB)

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: 1.0 gpf (3.8 lpf)
- Finish: Polished Brass (PB)
- 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

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.
WaterSense compliant when used with a 1.0 gpf (3.8 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.

