



SOLIS® Sensor Flushometer

SOLIS 8186 SMT-SMT-1.0-CP

Product description

1.0 gpf, SC Argus® Pro Compatible, Dual-Filtered Fixed Bypass Diaphragm, Polished Chrome Finish, 0.75" Flush Connection, Fixture Connection Top Spud, Single Flush, Electrical Override, Solar, Infrared, 10.5" Vacuum Breaker, SOLIS® Exposed Sensor Urinal Flushometer.

Compliances & Certifications



(ADA Compliant*, BAA Compliant, EPD, FCC Compliant, HPD, IAPMO, LEED Water, cUPC Certified, EPA WaterSense Listed)

Code 33700015

Finish

 Polished Chrome (CP)

Connectivity

IoT - SC Argus® Pro Compatible

Downloads

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

Videos

- [PVD Special Finishes](#)

Details

- Flush Volume: 1.0 gpf (3.8 lpf)
- Finish: Polished Chrome (CP)
- Power Type: Solar
- Valve: Diaphragm
- Bypass: Dual-Filtered Fixed Bypass 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)
- Program: SC Argus® Pro Compatible
- Override: Electrical
- Vacuum Breaker: 10.5"
- Flush Connection: 0.75" (19mm)

Features

- Quiet, Exposed, Sloan Solis® Single Flush, Solar Powered, Sensor Activated Urinal Flushometer
- 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 with "Low Battery" Flashing LED
- 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
- 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
- Flushometer operates normally when not connected to the SC Argus® Pro system
- IOT Smart Capabilities - Compatible with Sloan's SC Argus® Pro smart restroom system for wireless remote management and monitoring

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: 8 seconds
- Flush Delay: 3 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†			
	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 SMT product?
[View the general spec sheet with all options.](#)
[Find a compatible urinal](#) for this flushometer.
[Find a compatible water closet](#) for this flushometer.

