



SOLIS® Sensor Flushometer

SOLIS 8186 BT-0.5-CP

Product description

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

Compliances & Certifications



(ADA Compliant, BAA Compliant, cUPC Certified, EPD, HPD, IAPMO, LEED Water)

Code 33700007

Finish

 Polished Chrome (CP)

Connectivity

 Bluetooth with Sloan Connect App

Downloads

-  [Solis 8100 Series Installation Instructions.pdf](#)
-  [Exposed Solis BT Repair and Maintenance Guide.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: 0.5 gpf (1.9 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)
- Override: Electrical
- Vacuum Breaker: 10.5"
- Flush Connection: 0.75" (19mm)

Features

- Wireless connected device for real time diagnostic and adjustable product settings
- Sloan Connect App® readily available for smart phone and tablet devices
- "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

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

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			
	26 yrs	20 yrs	10.6 yrs	8.6 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 BT product? [View the general spec sheet with all options.](#)

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

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



