

► **Code Number:**

3250403

► **Description**

Exposed, Battery Powered, Sensor Operated G2 Optima Plus® Model Urinal Flushometer.

► **Flush Cycle**

Model 8186-0.5 (0.5 gpf/1.9 Lpf)

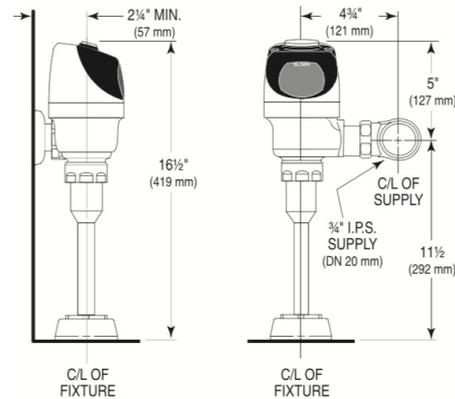
**Specifications**

- Spud Coupling and Wall Flanges
- Flush Accuracy Controlled by CID Technology
- Spud Coupling and Flange for 3/4" Top Spud
- Sweat Solder Adapter with Cover Tube and Cast Set Screw Wall Flange
- Diaphragm, Stop Seat and Vacuum Breaker to be molded from PERMEX® rubber compound for Chloramine resistance
- Infrared Sensor with Multiple-focused, Lobular Sensing Fields for high and low target detection
- Initial Set-up Range Indicator Light (first 10 minutes)
- "Low" Flashing LED
- ADA Compliant Battery Powered Infrared Sensor for automatic "No Hands" operation
- Infrared Sensor with Multiple-focused, Lobular Sensing Fields for high and low target detection
- Latching Solenoid Operator
- Infrared Sensor Range Adjustment Screw
- Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- Flex Tube Diaphragm designed for improved life and reduced maintenance
- Engineered Metal Cover with replaceable Lens Window
- Quiet, Exposed, Diaphragm Type, Chrome Plated Urinal Flushometer for either left or right hand supply with the following features:
- Courtesy Flush® Override Button
- Four (4) Size AA alkaline Batteries included: Duracell® with DURALOCK Power Preserve Technology™-guaranteed for up to 10 years in storage
- 3/4" I.P.S. Screwdriver Bak-Chek® Straight Stop with Free Spinning, Vandal Resistant Stop Cap

Valve Body, 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, ANSI/ASME A112.19.2. Installation conforms to ADA requirements.

**Accessories**

- See Accessories Section and OPTIMA Accessories Section of the Sloan catalog for details on these and other G2® Optima Plus Flushometer variations.



**Automatic Operation**

Sloan G2 Optima Plus Flushometers activate via multi-lobular sensor detection to provide the ultimate in sanitary protection and automatic operation. A battery powered infrared sensor sets the flushing mechanism after the user is detected and Completes the flush when the user steps away.

**Functional & Hygienic**

Touchless, sensor operation eliminates the need for user contact to help control the spread of infectious diseases. The G2 Optima Plus Flushometer is provided with an Override Button to allow a "courtesy flush" for individual user comfort.

**Economical**

Sloan installed batteries speed installation and provide years of metered flushing to control the use of water and energy. Batteries can be changed without turning off the water.

► **Compliance & Certifications**



This space for Architect/Engineer Approval

### Control Circuit

- Solid State
- 6 VAC/7.6 VDC Input
- 8 Second Arming Delay
- 24 Hour Sentinel Flush

### Sensor Type

- Active Infrared

### Sensor Range

- Nominal 15" - 30" (381 mm - 762 mm), Adjustable  $\pm$  8" (203 mm)

### Battery Type

- Four (4) Size AA Lithium Batteries factory installed

### Battery Life

- 3 Years @ 4,000 Flushes/Month

### Indicator Lights

- Range Adjustment

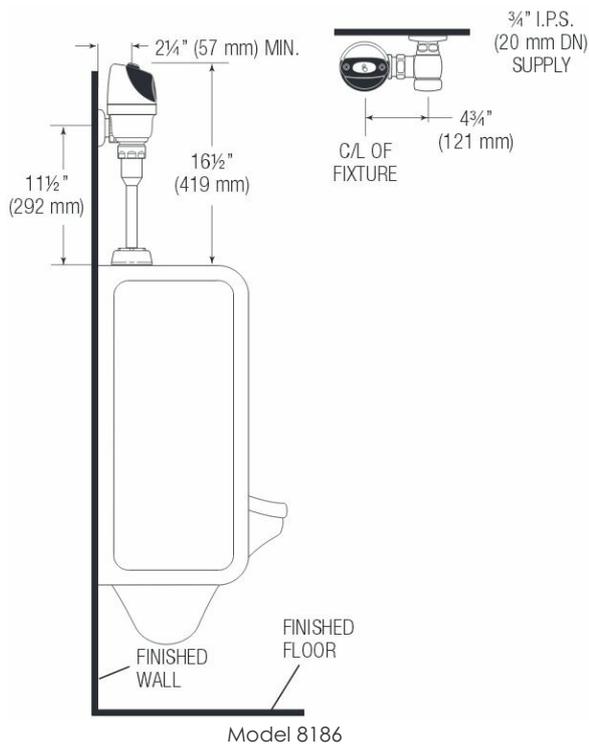
### Operating Pressure

- 15 - 100 psi (104 - 689 kPa)

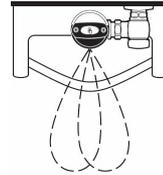
### Sentinel Flush

- Once Every 24 Hours After the Last Flush

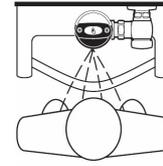
### ► ROUGH-IN



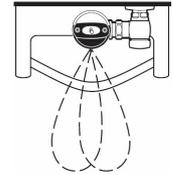
### ► OPERATION



1. A continuous, invisible light beam is emitted from the Sensor.



2. As the user enters the beam's effective range (15" to 30") the beam is reflected into the Scanner Window and transformed into a low voltage electrical circuit. Once activated, the Output Circuit continues in a "hold" mode for as long as the user remains within the effective range of the Sensor.



3. When the user steps away from the Sensor, the Sensor initiates an electrical signal that operates the Solenoid. This initiates the flushing cycle to flush the fixture. The Circuit then automatically resets and is ready for the next user.

Note: Lens Deflector no longer needed for targeting children or wheel chair users.

Typical Urinal Installation

All information contained within this document subject to change without notice.