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

Flush Cycle
- Model 8186-0.5 (0.5 gpf/1.9 Lpf)
- Model 8186-1.0 Low Consumption (1.0 gpf/3.8 Lpf)
- Model 8186 Water Saver (1.5 gpf/5.7 Lpf)

Specifications
Quiet, Exposed, Diaphragm Type, Chrome Plated Urinal Flushometer for either left or right hand supply with the following features:
- PERMEX™ Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass
- Flex Tube Diaphragm designed for improved life and reduced maintenance
- ADA Compliant OPTIMA Plus® 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
- Engineered Metal Cover with replaceable Lens Window
- Courtesy Flush™ Override Button
- Four (4) Size AA Batteries factory installed
- “Low Battery” Flashing LED
- Infrared Sensor Range Adjustment Screw
- Initial Set-up Range Indicator Light (first 10 minutes)
- Chrome Plated Metal Handle Cap
- ¾” I.P.S. Screwdriver Bak-Chek® Angle Stop
- Free Spinning, Vandal Resistant Stop Cap
- Adjustable Tailpiece
- High Back Pressure Vacuum Breaker Flush Connection with One-piece Bottom Hex Coupling Nut
- Spud Coupling and Flange for ¾” Top Spud
- Sweat Solder Adapter with Cover Tube and Cast Set Screw Wall Flange
- High Copper, Low Zinc Brass Castings for Dezincification Resistance
- Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- Flush Accuracy Controlled by CID™ Technology
- Diaphragm, Stop Seat and Vacuum Breaker to be molded from PERMEX™ Rubber Compound for Chloramine resistance

ADA Compliant

Automatic
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.

Warranty
3 year (limited)

Variations
- LH Valve Body Supplied Less Handle Opening

Special Finishes
- PB Polished Brass (PVD Finish)
- GP Gold Plate (PVD Finish)
- BN Brushed Nickel (PVD Finish)
- SF Satin Chrome

See Accessories Section and OPTIMA Accessories Section of the Sloan catalog for details on these and other OPTIMA Plus® Flushometer variations.
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ELECTRICAL SPECIFICATIONS
- Control Circuit
  Solid State
  6 VDC Input
  8 Second Arming Delay
  24 Hour Sentinel Flush
- OPTIMA Sensor Type
  Active Infrared
- OPTIMA Sensor Range
  Nominal 15" - 30" (381 mm - 762 mm), Adjustable ± 8" (203 mm)

OPERATION
1. A continuous, invisible light beam is emitted from the OPTIMA Plus Sensor.
2. As the user enters the beam’s effective range (15” to 30”) the beam is reflected into the OPTIMA Plus 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 OPTIMA Plus 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.

VALVE ROUGH-IN
Typical Urinal Installation
Model 8186

SLOAN VALVE COMPANY • 10500 SEYMOUR AVENUE • FRANKLIN PARK, IL 60131
Phone: 1-800-9-VALVE-9 or 1-847-671-4300 • Fax: 1-800-447-8329 or 1-847-671-4380 • www.sloanvalve.com
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