



**G2 Sensor Flushometer**

**G2 8186-0.5-CP-CN**

**Product description**

0.5 gpf, Polished Chrome Finish, Fixture Connection Top Spud, Single Flush, Battery, Carbon Neutral, G2 Exposed Sensor Urinal Flushometer.

**Compliances & Certifications**







(ADA Compliant, BAA Compliant, BREEAM Water Credit, Carbon Neutral, Carbon Offset, cUPC Green Certified, EPD, Green Globes Water, HPD, IAPMO, LEED Water, Satisfies LEED Credits, EPA WaterSense Listed)

**Code 3250424T**

**Finish**

-  Polished Chrome (CP)

**Downloads**

-  [G2 and ECOS Single Flush Optima Plus Valve Installation Instructions duplicate.pdf](#)
-  [G2 Repair and Maintenance Guide.pdf](#)
-  [Control Stop 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: Battery
- 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)
- Special Features 1: Carbon Neutral (CN)

## Features

- ADA-compliant flushometer automatically 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
- Adjustable tailpiece to accommodate different height requirements
- High copper, low zinc brass castings for dezincification resistance
- Available in 0.5 gpf/1.9 Lpf, low consumption (1.0 gpf/3.8 Lpf), water saver (1.5 gpf/5.7 Lpf), and conventional (3.5 gpf/13.2 Lpf) models
- Valve body, Cover, Tailpiece and Control Stop shall be in compliance with ASTM Alloy Classification for Semi-Red Brass
- Valve shall be in compliance to the applicable sections of ASSE 1037

## 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

## 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			
	14.5 yrs	12 yrs	7.2 yrs	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 G2 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.

WaterSense compliant when used with a 0.5 gpf (1.9 lpf) WaterSense fixture.

