

ECOS® Sensor Flushometer

ECOS 8186-0.5-GR

Product description

0.5 gpf, Graphite Finish, 0.75” Flush Connection, Fixture Connection Top Spud, Single Flush, 0.75” Inlet, 3/4” Control Stop, Electrical Override, Battery, Infrared, ECOS® Exposed Sensor Urinal Flushometer.

Compliances & Certifications

(ADA Compliant*, BAA Compliant, BABAA Compliant, cUPC Green Certified, IAPMO, Satisfies LEED Credits, EPA WaterSense Listed, WELL Building Standard)

Code 3370456

Finish

Graphite (GR)

Downloads

- Sloan ECOS Single_Dual-Flush Flushometer & Retrofit Valve Installation Instructions
- Sloan Ecos Valve (Spanish) Installation Instructions
- Control Stop Repair and Maintenance Guide
- Flush Connections Flanges Repair and Maintenance Guide
- Flushometer Pressure Gauges
- Finishes Brochure
- Additional Downloads

Videos

- Sloan Finishes

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov

Sloan 10500 Seymour Ave, Franklin Park 800.982.5839 sloan.com

Details

- Flush Volume: 0.5 gpf (1.9 lpf)
- Finish: Graphite (GR)
- 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)
- Override: Electrical
- Control Stop: 3/4”
- Flush Connection: 0.75” (19mm)

Features

Sensor operated, diaphragm type, exposed urinal flushometer model no. 8186 for wall mounted top spud bowls.

- Diaphragm molded from PERMEX® Rubber Compound for Chloramine Resistance.
- Automatically operates by means of an infrared sensor with multiple-focused, lobular sensing fields for high and low target detection
- User-friendly, three-second flush delay
- High copper, low zinc brass castings for dezincification resistance
- Fixed metering bypass and no external volume adjustment to ensure water conservation
- 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. Valve Body, Cover, Tailpiece and Control Stop shall have a PVD Graphite finish.

Electrical specifications

- Arming Delay: 8 seconds
- Flush Delay: 1 seconds
- Sensor Range: 15”-30” (381 - 762mm)
- Self-Adaptive Window: ±8”

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 and restroom conditions
Battery shelf life: Alkaline= ~10 years - Lithium= ~25 years

Warranty

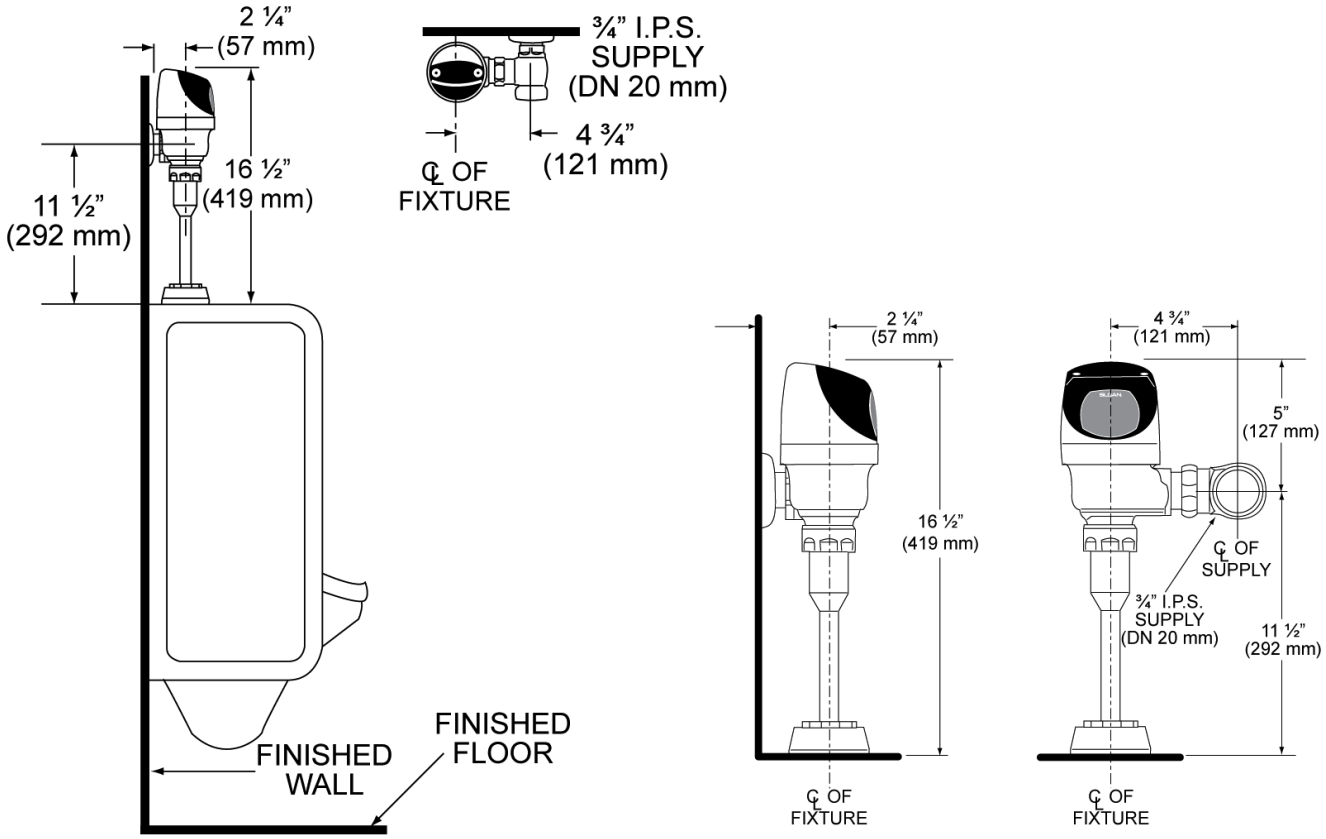
View Warranty Information

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 0.5 gpf (1.9 lpf) WaterSense fixture.

Looking for other variations of the ECOS 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.


2 ¼"
(57 mm)
16 ½"
(419 mm)
11 ½"
(292 mm)
FINISHED
WALL
FINISHED
FLOOR
¾" I.P.S.
SUPPLY
(DN 20 mm)
4 ¾"
(121 mm)
℄ OF
FIXTURE
2 ¼"
(57 mm)
16 ½"
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4 ¾"
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(127 mm)
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