

► Code Number

20211101

► Specifications

Quiet, exposed, diaphragm type, chrome plated closet HET Flushometer and HET vitreous china floor mount fixture with the following features:

► Flush Cycle

1.1 gpf/4.2 Lpf

► Flushometer Specification

Quiet, diaphragm type, chrome plated closet Flushometer and vitreous china water closet with the following features:

- ADA Compliant ECOS® Battery Powered Infrared Sensor for automatic "No Hands" operation
- Flex Tube Dual Filtered Bypass Diaphragm designed for improved life and reduced maintenance
- Latching Solenoid Operator
- Courtesy Flush® Override Button
- User Friendly Three (3) Second Flush Delay
- "Walk By" Delay of Eight (8) Seconds Prevents Unintentional Flushes
- Initial Set-up Range Indicator Light (first 10 minutes)
- Chrome plated Infrared Sensor Housing
- Engineered Metal Cover with replaceable Lens Window
- High Back Pressure Vacuum Breaker Flush Connection with One-Piece Bottom Hex Coupling Nut, Spud Coupling and Flange for 1-1/2" Top Spud
- Fixed Metering Bypass and no external volume adjustment to ensure water conservation
- Free spinning, Vandal Resistant Stop Cap
- 1" I.P.S screwdriver Bak-Chek® angle stop
- Four (4) Size AA Battery back-up power source
- Flush accuracy controlled by CID® technology
- infrared Sensor with Multiple-focused, Lobular Sensing fields for high and low target detection

Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be in compliance to the applicable sections of ASSE 1037/ ASME A112.19.2/CSA B45.1

- PERMEX® Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass
- Sweat Solder Adapter w/Cover Tube and Cast Wall Flange with Set Screw
- Diaphragm, Stop Seat and Vacuum Breaker to be molded from PERMEX® rubber compound for Chloramine resistance



► NOTE

1.1 gpf flushometer only recommended in new construction installations or those where sufficient drain line carry can be assured. Alternatives include 1.28 gpf or 1.6 gpf flushometers

► FEATURES

Automatic

The Flushometer operates by means of an infrared sensor that adapts to its surroundings. Once the user enters the sensor's effective range and then steps away, the Flushometer Solenoid initiates the flushing cycle to flush the fixture.

Functional & Hygienic

User makes no physical contact with the Flushometer surface.

Economical

Automatic operation provides water usage savings over other flushing devices. Reduces maintenance and operation costs.

► Plumbing System Requirements

Maximum Static Pressure: 80 PSI

Minimum Flow Rate: 25 GPM

Minimum Flowing Pressure: 25 PSI

► Compliance & Certifications



► Disclaimer

NOTE: All vitreous china dimensions shown in these drawings are nominal and not to scale. Dimensions can vary within the tolerances established in the governing ASME A112.19.2/CSA B45.1 standard. It is important to consider this when planning rough-in and plumbing layouts.

This space for Architect/Engineer Approval

► Fixture Specification

- 100% factory flush tested
- White Vitreous china
- Elongated bowl
- Water Spot Area 11" x 9"
- Siphon jet flush
- Mounting hardware, carrier and toilet seat not included
- Recommended seats:
- Bemis - 1955CT/1955SSCT & 2155CT/2155SSCT
- Church - 295CT/295SSCT & 2155CT/2155SSCT
- Closet bolts and caps included
- Compliant with Buy American Act when purchased as a combination

Water closet shall be in compliance to the applicable sections of ASME A112.19.2/CSA B45.1

- 1-1/2" I.P.S. top spud inlet
- 2 1/8" fully glazed trapway diameter
- Floor mounted, Floor outlet

► ELECTRICAL SPECIFICATIONS

Control Circuit

Solid State

6 VDC Input

72 Hour Sentinel Flush

8 Second Arming Delay

Sensor Type

Active Infrared

Sensor Range

Adjustable $\pm 8"$ (203 mm)

Nominal 22" - 42" (559 mm - 1067 mm) Self-adaptive Window: $\pm 10"$ (254 mm)

Indicator Lights

Range Adjustment

Sentinel Flush

Automatic flush once every 72 hours after the last flush. Product shipped from factory with feature turned off. Consult factory to activate.

Valve Operating Pressure (Flowing)

15 - 100 psi (104 - 689 kPa)



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



2. As the user enters the beam's effective range, 22" - 42" (559 mm to 1067 mm), the beam is reflected into the Scanner Window to activate the Output 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. A full flush will automatically initiate when the user leaves.



3. When the user steps away from the Sloan ECOS® Sensor, the circuit waits 3 seconds (to prevent false flushing) then 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.

