

► **Code Number**
20001401

► **Description**
Complete HET system with battery powered, sensor activated Sloan® OPTIMA Plus® closet Flushometer and floor mount vitreous china fixture.

► **Flush Cycle**
1.28 gpf/4.8 Lpf

► **SPECIFICATIONS**

Flushometer Specification

- Quiet, diaphragm type, chrome plated closet Flushometer and vitreous china water closet with the following features:
- Flush accuracy controlled by CID® technology
- Sensor with automatic range adjustment
- Initial Set-up Range Indicator Light (first 10 minutes)
- Four (4) Size AA Batteries factory installed
- Fixed Metering Bypass and no external volume adjustment to ensure water conservation
- Free spinning, Vandal Resistant Stop Cap
- Spud Coupling and Flange for 1 P/2" Top Spud
- 1" I.P.S screwdriver Bak-Chek® angle stop
- 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
- 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

Fixture Specifications

- Integral flushing rim
- Compliant with Buy American Act when purchased as a combination
- Compatible with toilet seat models:
- Toilet seat not included
- Closet bolts and caps included
- Siphon jet flush
- White vitreous china
- Elongated bowl
- 100% factory flush tested
- 1 1/2" I.P.S. top spud inlet
- 2 1/8" fully glazed trapway diameter
- Bemis 1955CT & Bemis 2155CT
- Water closet compliant to the applicable sections of ASME A112.19.2/CSA B45.1

► **Plumbing System Requirements**

- Maximum Static Pressure: 80 PSI
- Minimum Flow Rate: 25 GPM
- Minimum Flowing Pressure: 25 PSI



► **Disclaimer**

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

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.

► **FEATURES**

Automatic

Sloan OPTIMA Plus® equipped Flushometers provide the ultimate in sanitary protection and automatic operation. There are no handles to trip or buttons to push. 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.

Hygienic

User makes no physical contact with the Flushometer surface except to initiate the Override Button when required. Helps control the spread of infectious diseases. 24-Hour Sentinel Flush keeps fixture fresh during periods of nonuse.

Economical

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

Practical

Solid state electronic circuitry assures years of dependable, trouble-free operation. The operational components of the Flushometer are identical to a handle activated Sloan® Flushometer, proven by over 100 years of experience.

► **Compliance & Certifications**

G2® Flushometer U.S. Patent No. D598, 974

ASSE-1037



This space for Architect/Engineer Approval



► ELECTRICAL SPECIFICATIONS

Control Circuit

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

Battery Life

- 6 Years @ 4,000 flushes/month

Battery Type

- (4) AA Alkaline

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

Valve Operating Pressure (Flowing)

- 15 - 100 psi (104 - 689 kPa)

Sentinel Flush

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

► OPERATION

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

2. As the user enters the beam's effective range (22" to 42") 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 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.



► ROUGH-IN

