

► **Code Number**  
20201401

► **Description**  
Complete HET system with battery powered, sensor activated G2 OPTIMA Plus® HET Flushometer and ADA compliant vitreous china fixture.

► **Flush Cycle**  
1.28 gpf/4.8 Lpf

**Specifications**

Quiet, exposed, sensor activated diaphragm type, chrome plated HET Flushometer for either left or right hand supply and ADA compliant vitreous china HET fixture with the following features:

**Flushometer Specification**

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

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

**Fixture Specifications**

- ADA compliant floor mounted vitreous china
- Integral flushing rim
- Elongated bowl with siphon jet flush
- Closet bolts and caps included
- Toilet seat not included

Compatible with toilet seat models:

- Compliant with Buy American Act when purchased as a combination
- 1 1/4" I.P.S. top spud inlet
- 2 1/8" fully glazed trapway diameter
- Bemis 1955CT & Bemis 2155CT
- 100% factory flush tested
- 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, troublefree operation. The operational components of the Flushometer are identical to a handle activated Royal® Flushometer, proven by over 100 years of experience.

**Patented**

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

► **Compliance & Certifications**

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

##### 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)

##### Battery Type

(4) AA Alkaline

##### Battery Life

6 Years @ 4,000 flushes/month

##### 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 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

