

► **Code Number**

20001403

► **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 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:
- Flex Tube Dual Filtered Bypass Diaphragm designed for improved life and reduced maintenance
- Non-Hold-Open Handle, Fixed Metering Bypass and no external volume adjustment to ensure water conservation
- Free spinning Vandal Resistant Stop Cap and Adjustable Tailpiece
- Flush accuracy controlled by CID® technology
- High Back Pressure Vacuum Breaker Flush Connection with One-Piece Bottom Hex Coupling Nut, Spud Coupling and Flange for 1-1/2" Top Spud
- 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
- Compatible with toilet seat models:
- Toilet seat not included
- Closet bolts and caps included
- Siphon jet flush
- Floor mounted, vitreous china, elongated bowl
- 1 1/2" 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

► **Indicator Lights**

User in View

► **Sensor Type**

Active Infrared with Automatic Adjustment

► **Battery Type**

(4) C Alkaline



► **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.

► **Economical**

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

► **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.

► **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.

► **Compliance & Certifications**



This space for Architect/Engineer Approval

► Battery Life

2 Years @ 4,000 Flushes/Month

► Control Circuit

6 VDC input, 8 second arming delay, 72 hour Sentinel Flush

► Sensor Range

Normal Range (recommended for Water Closets) with 2 – 3 second flush delay: 26" – 32" (660 mm – 813 mm)

Normal Range (recommended for Water Closets) with 1 – 2 second flush delay: 26" – 32" (660 mm – 813 mm)

► Valve Operating Pressure (Flowing)

25-80 psi (172-552 kPa)

► Plumbing System Requirements

Maximum Static Pressure: 80 PSI

Minimum Flow Rate: 25 GPM

Minimum Flowing Pressure: 25 PSI

► OPTIMA® SMOOTH™ Unit

Mechanical Manual Override Flush Handle

"User in View" flashing LED

25 to 80 psi operating range

Vandal Resistant 1/8" Ball-Type Hex Key included

OPTIMA® SMOOTH™ battery powered infrared sensor for automatic "Hands-free" operation

Four (4) size C batteries included

"Low Battery" flashing LED

► OPERATION



1. A continuous, invisible light beam is emitted from the OPTIMA Plus® Sensor
2. As the user enters the beam's effective range 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 immediately initiates an electrical "one-time" 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

