

► Code Number

10001302

► Description

Complete HEU system with exposed, Ac powered, sensor activated, Royal® OPTIMA® SMOOTH™ hardwired urinal Flushometer and vitreous china urinal.

► Flush Cycle

0.125 gpf/0.5 Lpf

► Flushometer Specification

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

- Non-Hold-Open Operation
- Spud coupling and flange for 3/4" top Spud
- Non-Hold-Open Handle, Fixed Metering Bypass and no external volume adjustment to ensure water conservation
- Flush accuracy controlled by CID® technology
- 3/4" I.P.S. Screwdriver Bak-chek® angle Stop

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

- Infrared Sensor with Multiple-focused, Lobular Sensing fields for high and low target detection
- 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

► OPTIMA® SMOOTH™ Unit

- ADA compliant OPTIMA® SMOOTH™ AC powered infrared sensor for automatic "Hands-free" operation
- Mechanical Manual Override Flush Handle
- "User in View" flashing LED
- 25 to 80 psi operating range
- Sensor with automatic range adjustment
- Chrome plated metal sensor housing
- Sentinel Flush Mode
- Chrome Plated Flange and appropriate Wiring Hardware included

► Urinal Specifications

- Wall hung vitreous china
- Washdown flushing action
- All mounting hardware included
- Integral flushing rim
- Carrier not included
- Vandal resistant strainer assembly included
- Compliant to the applicable sections of ASME A112.19.2/CSA B45.1
- 2" NPT outlet flange
- 3/4" I.P.S. top spud inlet
- 100% factory flush tested



► Automatic

Sloan SMOOTH™ equipped Flushometers provide the ultimate in sanitary protection and automatic operation. The Flushometer operates by means of an Ac powered infrared sensor. True mechanical manual over-ride button enables the Flushometer to work in the event of a power failure. State-of-the-art technology enables activation of a manual override without "double flushing" occurring as the user departs (locks out sensor for approximately 10 seconds).

► Hygienic

The Royal® OPTIMA® SMOOTH™ Flushometer System is the next advancement in hygiene. User makes no physical contact with the Flushometer surface except to initiate the Mechanical Manual Override Flush Handle when required. Helps control the spread of infectious diseases.

► Economical

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

► Compliance & Certifications

ASME A112.1.3



This space for Architect/Engineer Approval

One EL-451 Transformer serves up to eight (8) OPTIMA® Closet/Urinal Flushometers.

► 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)

Reduced Range (recommended for Urinals) with 1 – 2 second flush delay: 20" – 26" (508 mm – 660 mm)

► 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.

► Note

Plumbing System Requirements

Minimum Flowing Pressure: 25 PSI

Maximum Fixture Static Pressure: 80 PSI

► Plumbing System Requirements

Maximum Static Pressure: 80 PSI

Minimum Flowing Pressure: 25 PSI

► Transformer Options

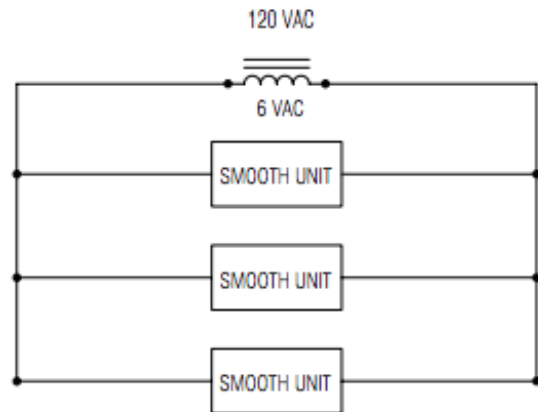
- ☐ EL-451 (120 VAC/6 VAC 50/60 Hz (25 VA) – Box Mount (will operate up to 8 units)
- ☐ EL-386 (120 VAC/6 VAC 50/60 Hz (3 VA) – Plug-in (will operate 1 unit)

► Valve Operating Pressure (Flowing)

25-80 psi (172-552 kPa)

► ROUGH-IN

NOTE : All vitreous china dimensions shown in these drawings are nominal. Dimensions can vary within the tolerances established in the governing ASME A112.19.2/CSA B45.1 standard. Please take this into consideration when planning rough-in and plumbing layouts.



One EL-386 Transformer serves one (1) OPTIMA Closet/Urinal Flushometer. One EL-451 Transformer serves up to six (6) OPTIMA Closet/Urinal Flushometers. Specify part number and number of transformers required accordingly.

► OPERATION

