

CODE NUMBER

3451647

DESCRIPTION

3.5 gpf, Rough Brass Finish, Single Flush, Less Control Stop, 2-10.75 L Dimension, Electrical Override, Hardwired, Sensor-Operated, Less Vacuum Breaker, Royal® Concealed Sensor Hardwired Water Closet Flushometer.

DETAILS

Flush Volume: 3.5 gpf (13.2 Lpf)
Finish: Rough Brass (RB)
Power Type: Hardwired (HW)

Valve: Diaphragm

• Valve Body Material: Semi-red Brass

Fixture Type: Water Closet
Fixture Connection: Rear spud
Rough-In Dimension: 24" (610mm)
Spud Coupling: 1 ½" (38mm)

• Supply Pipe: 1" (25mm)

• L Dimension: 2"-10 3/4" (51-273mm) (2-10-3/4-LDIM)

Override: Electrical (OR)
 Control Stop: Less (L/STOP)
 Vacuum Breaker: Less (XYV)

FEATURES

- User friendly three (3) second Flush Delay
- OPTIMA® EL-1500 Self-Adaptive Infrared Sensor with Indicator Light
- Non-Hold-Open Integral Solenoid Operator, Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- PERMEX® Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass
- High Back Pressure Vacuum Breaker Flush Connection and Spud Coupling for 1 1/2" Concealed Back Spud
- Adjustable Tailpiece
- 1" I.P.S. Wheel Handle Bak-Chek® Angle Stop
- Diaphragm, Stop Seat and Vacuum Breaker to be molded from PERMEX® rubber compound for Chloramine resistance

VIDEOS



ESS Flushometer



COMPLIANCES & CERTIFICATIONS









(UL Certified, ADA Compliant, UPC Certified, BAA Compliant)

RECOMMENDED SPECIFICATION

Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be in compliance with the applicable sections of ASSE 1037 and ANSI/ASME 112.19.2.

ELECTRICAL SPECIFICATIONS

Arming Delay: 16 seconds

• Control Circuit: Solid State/24 VAC Input/24 VAC Output

Flush Delay: 3s

• Self-Adaptive Window: ±10

• Sensor Range: 22"-42" (559-1,067mm)

• Solenoid Operator: 24 VAC

Transformers:03451540345999

VALVE OPERATING PRESSURE (FLOWING)

15–80 PSI (103–552 kPa). Specific fixtures may require greater minimum flowing pressure - consult manufacturer requirements.

DOWNLOADS

- Royal/Sloan/Crown SWB ESS Installation Instructions
- Royal ESS Concealed and Exposed Installation Instructions
- Royal 152/195 ESS TMO Concealed Installation Instructions
- Optima Sensor Activated Royal/Sloan Concealed Installation Instructions
- Royal ESS Concealed with Wall Box Installation Instructions
- Control Stop Repair and Maintenance Guide
- Flush Connections Flanges Repair and Maintenance Guide
- Tail Piece Repair and Maintenance Guide

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Phone: 800.982.5839 • Fax: 800.447.8329 • sloan.com



- Optima ESS Repair and Maintenance Guide
- ESS TMO SWB Repair and Maintenance Guide
- Additional Downloads

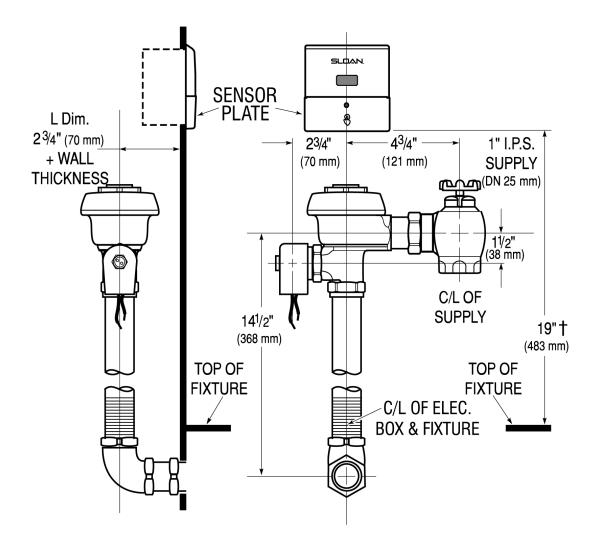
NOTES

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

Looking for other variations of the ROYAL 152 ESS product? View the general spec sheet with all options.

Find a compatible urinal for this flushometer. Find a compatible water closet for this flushometer.

ROUGH-IN



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