

CODE NUMBER

3451689

DESCRIPTION

1.6 gpf, Rough Brass Finish, Single Flush, 2-10.75 L Dimension, True Mechanical Override, Hardwired, Sensor-Operated, Royal® Concealed Sensor Hardwired Water Closet Flushometer.

DETAILS

- Flush Volume: 1.6 gpf (6.0 Lpf)
- Finish: Rough Brass (RB)
- Power Type: Hardwired (HW)
- Valve: Diaphragm
- Valve Body Material: Semi-red Brass
- Fixture Type: Water Closet
- Fixture Connection: Top spud
- Rough-In Dimension: 24" (610mm)
- Spud Coupling: 1 ¹/₂" (38mm)
- Supply Pipe: 1" (25mm)
- L Dimension: 2"-10 ³/₄" (51-273mm) (2-10-3/4-LDIM)
- Override: True Mechanical (TMO)

FEATURES

- PERMEX® Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass
- Handle Packing, Main Seat, Stop Seat and Vacuum Breaker Molded from PERMEX® Rubber Compound for Chloramine resistance
- User friendly three (3) second Flush Delay
- OPTIMA® EL-1500 Self-Adaptive Infrared Sensor with Indicator Light
- "Walk By" Delay of Eight (8) Seconds Prevents Unintentional Flushes
- Die Cast Sensor Plate with no visible Fasteners (for 2-gang Electrical Box)
- Non-Hold-Open Integral Solenoid Operator, Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- Courtesy Flush® Non-Hold-Open True Mechanical Override
- Hydraulic Metal Push Button Assembly for True Mechanical Override
- High Back Pressure Vacuum Breaker Flush Connection with Hex Coupling Nut, Spud Coupling, and Flanges for 11/2" Exposed Top Spud
- 1" I.P.S. Wheel Handle Bak-Chek® Angle Stop

VIDEOS

ESS Flushometer



COMPLIANCES & CERTIFICATIONS



(UL Certified, ADA Compliant, cUPC 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:
 - · 0345154
 - · 0345999

VALVE OPERATING PRESSURE (FLOWING)

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

DOWNLOADS

- Optima Sensor Activated Royal Installation Instructions
- Royal 140/152/153/195 ESS TMO SWB Installation
 Instructions
- Control Stop Repair and Maintenance Guide
- Flush Connections Flanges Repair and Maintenance Guide
- Tail Piece Repair and Maintenance Guide
- Concealed Flushometers Repair and Maintenance Guide
- Optima ESS Repair and Maintenance Guide
- Additional Downloads



ROYAL 8 SENSOR FLUSHOMETER ROYAL 153 ESS-1.6-TMO-2-10-3/4-LDIM-HW

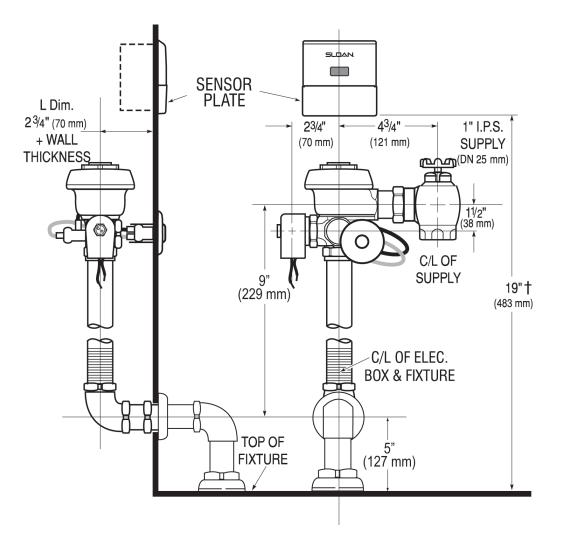
NOTES

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

Looking for other variations of the ROYAL 153 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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