CODE NUMBER

3451666

DESCRIPTION

1.28 gpf, Polished Chrome Finish, Fixture Connection Rear Spud, Single Flush, 2-10.75 L Dimension, True Mechanical Override, Hardwired, Sensor-Operated, 24V, Royal® Concealed Sensor Hardwired Water Closet Flushometer.

DETAILS

- Flush Volume: 1.28 gpf (4.8 Lpf)
- Finish: Polished Chrome (CP)
- Power Type: Hardwired (HW)
- Valve: Diaphragm
- Valve Body Material: Semi-red Brass
- Fixture Type: Water Closet
- Fixture Connection: Rear Spud
- Rough-In Dimension: 14 ½" (368mm)
- Spud Coupling: 1 ½" (38mm)
- Supply Pipe: 1" (25mm)
- L Dimension: 2"–10 ¾" (51–273mm)
- Override: True Mechanical (TMO)
- Voltage: 24V

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
- Hydraulic Metal Push Button Assembly for True Mechanical Override
- High Back Pressure Vacuum Breaker Flush Connection with Hex Coupling Nut and Spud Coupling for 1½" Rear Spud
- 1" I.P.S. Wheel Handle Bak-Chek® Angle Stop

VIDEOS

▶ ESS Flushometer

COMPLIANCES & CERTIFICATIONS

(ADA Compliant, BAA Compliant, BABAA Compliant, BREEAM Water Credit, cUPC Certified, cUPC Green Certified, Green Globes Water Credit, LEED V4 Water Efficiency Credit, Satisfies LEED Credits, UL Certified, WaterSense Listed)

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: 24 VAC Input/24 VAC Output/Solid State
- Flush Delay: 3s
- Self-Adaptive Window: ±10
- Sensor Range: 22"–42" (559–1,067mm)
- Solenoid Operator: 24 VAC
- Transformers (specify separately):
  - 0345154
  - 0345999

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 SWB Installation Instructions
- 150/152/190/194/195 ES-SM Installation Instructions
- Royal ESS Concealed with Wall Box Installation Instructions

- Royal 152/195 ESS TMO Installation Instructions
- Royal 152/195 ESS TMO (Spanish) Installation Instructions
- Royal 152/195 ESS TMO SBX Installation Instructions
- Royal 152/195 SWB ESS TMO (Spanish) Installation Instructions
- Control Stop Repair and Maintenance Guide
- Flush Connections Flanges Repair and Maintenance Guide
- Tail Piece Repair and Maintenance Guide
- Optima ESS Repair and Maintenance Guide
- Optima ESS TMO Concealed Repair and Maintenance Guide
- Optima ESS TMO SWB Concealed Repair and Maintenance Guide
- Royal ESS SWB Repair and Maintenance Guide
- Flushometer Pressure gauges
- Additional Downloads

NOTES

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

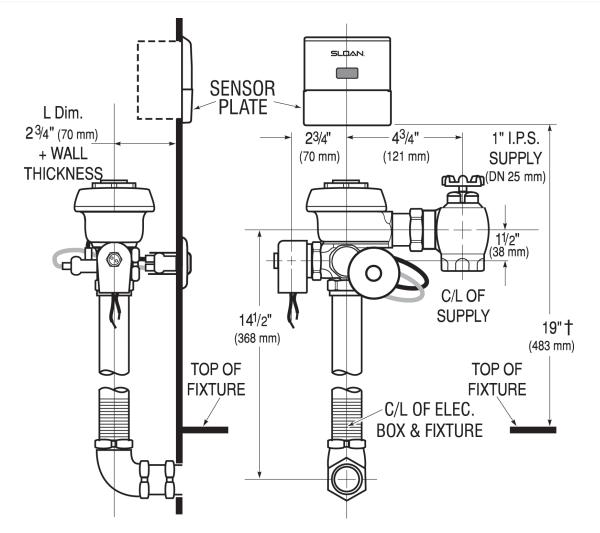Looking for other variations of the ROYAL 152 ESS product? View the general spec sheet with all options.

WaterSense compliant when used with a WaterSense compliant fixture

WARRANTY

View Warranty Information

ROUGH-IN

SLOAN.

L Dim.
2³/₄" (70 mm)
+ WALL
THICKNESS

SENSOR
PLATE

2³/₄"
(70 mm)

4³/₄"
(121 mm)

1" I.P.S.
SUPPLY
(DN 25 mm)

1¹/₂"
(38 mm)

C/L OF
SUPPLY

14¹/₂"
(368 mm)

TOP OF
FIXTURE

C/L OF ELEC.
BOX & FIXTURE

19"†
(483 mm)

TOP OF
FIXTURE