SLOAN.

CODE NUMBER

3771621

DESCRIPTION

1.1 gpf, Stainless Steel Finish, Fixture Connection Rear Spud, Single Flush, 2-10.75 L Dimension, True Mechanical Override, Hardwired, Sensor-Operated, 24V, Small Wall Box, Royal® Concealed Sensor Hardwired Water Closet Flushometer.
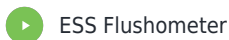
DETAILS

- Flush Volume: 1.1 gpf (4.2 Lpf)
- Finish: Stainless Steel (BSS)
- 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)
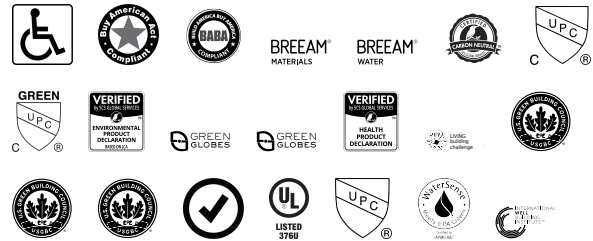- Wall Box: Small (SWB)
- Voltage: 24V

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
- Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- OPTIMA® EL-1500 Self-Adaptive Infrared Sensor with Indicator Light
- 13 1⁄2" x 13 1⁄2" Wall Box with Stainless Steel Access Panel and Vandal Resistant Screws
- Courtesy Flush® Non-Hold-Open True Mechanical Override
- High Back Pressure Vacuum Breaker Flush Connection with Hex Coupling Nut and Spud Coupling for 11⁄2" Rear Spud
- Wall Box with Stainless Steel Access Panel and Vandal Resistant Screws
- 1" I.P.S. Wheel Handle Bak-Chek® Angle Stop

VIDEOS

▶ ESS Flushometer

COMPLIANCES & CERTIFICATIONS

(ADA Compliant, BAA Compliant, BABAA Compliant, BREEAM Materials Credit, BREEAM Water Credit, Carbon Neutral, cUPC Certified, cUPC Green Certified, EPD, Green Globes Materials & Resources Credit, Green Globes Water Credit, HPD, LBC Credit, LEED Materials & Resources EPD Credit, LEED Materials & Resources HPD Credit, LEED V4 Water Efficiency Credit, Satisfies LEED Credits, UL Certified, UPC Certified, WaterSense Listed, WELL Building Standard)

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

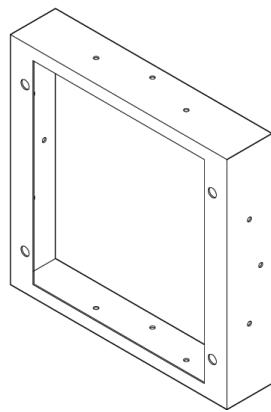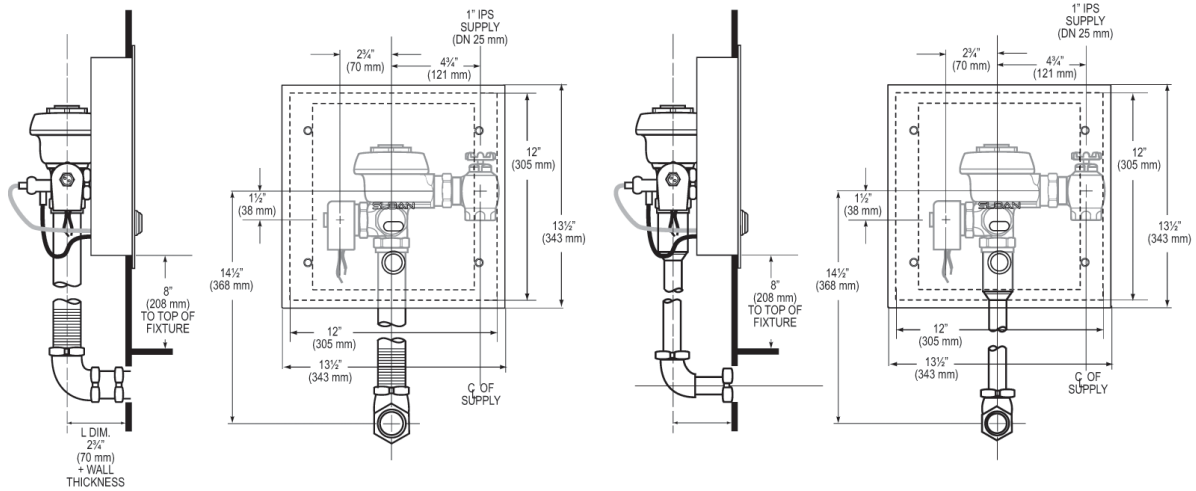All information contained within this document subject to change without notice.

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

PROPER WALL FRAME ORIENTATION

Code 3771621 • Downloaded 08/05/25 • Revised 04/28/25 • View Latest Version