

#### **CODE NUMBER**

3453055

#### **DESCRIPTION**

0.5 gpf, Polished Chrome Finish, Fixture Connection Top Spud, Single Flush, 2-10.75 L Dimension, Less Override, Hardwired, Sensor-Operated, 24V, Royal® Concealed Sensor Hardwired Urinal Flushometer.

#### **DETAILS**

Flush Volume: 0.5 gpf (1.9 Lpf)
Finish: Polished Chrome (CP)
Power Type: Hardwired (HW)

Valve: Diaphragm

• Valve Body Material: Semi-red Brass

• Fixture Type: Urinal

Fixture Connection: Top Spud
Supply Pipe: <sup>3</sup>/<sub>4</sub>" (19mm)

• L Dimension: 2"-10 3/4" (51-273mm)

Override: Less (L/OR)Voltage: 24V

### **FEATURES**

Quiet, Concealed, Diaphragm Type, Rough Brass Urinal

- PERMEX® Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass
- Vacuum Breaker
- Non-Hold-Open Integral Solenoid Operator, Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- Stop Seat and Vacuum Breaker molded from PERMEX® Rubber Compound for Chloramine Resistance
- 3/4" Female I.P.S. Union Outlet (no flush connection)
- 3/4" I.P.S. Wheel Handle Bak-Chek® Angle Stop
- WaterSense compliant when used with a 0.5 gpf WaterSense fixture

Code 3453055 • Downloaded 05/01/25 • Revised 04/28/25 • View Latest Version

### **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, UPC 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: 8 seconds

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

Flush Delay: 1s

Self-Adaptive Window: ±8

• Sensor Range: 15"-30" (381-762mm)

• Solenoid Operator: 24 VAC

• Transformers (specify separately):

0 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 ESS Concealed and Exposed 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
- Optima ESS Repair and Maintenance Guide

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# • Additional Downloads

### **NOTES**

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

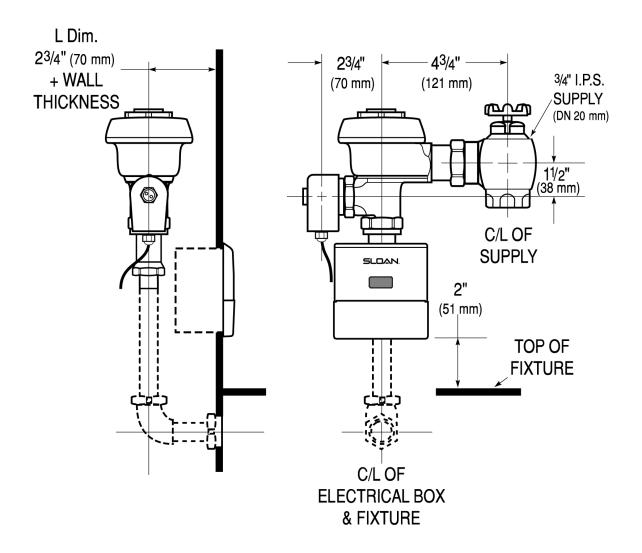
Looking for other variations of the ROYAL 194 ESS product? View the general spec sheet with all options.

WaterSense compliant when used with a 0.5 gpf (1.9 Lpf) WaterSense fixture  $\,$ 

### WARRANTY

View Warranty Information

# **ROUGH-IN**



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