

CODE NUMBER

3450250

DESCRIPTION

1.6 gpf, Polished Chrome Finish, Fixture Connection Top Spud, Single Flush, 1" Straight Control Stop, Electrical Override, Hardwired, Sensor-Operated, 24V, Royal® Exposed Sensor Hardwired Water Closet Flushometer.

DETAILS

Flush Volume: 1.6 gpf (6.0 Lpf)
Finish: Polished Chrome (CP)
Power Type: Hardwired (HW)

Valve: Diaphragm

• Valve Body Material: Semi-red Brass

Fixture Type: Water Closet
 Fixture Connection: Top Spud
 Rough-In Dimension: 16" (406mm)
 Spud Coupling: 1 ½" (38mm)

Supply Pipe: 1" (25mm)Override: Electrical

• Control Stop: 1" Straight (E)

• Voltage: 24V

FEATURES

- Flush volumes start as low as 1.28 gpf/4.8 Lpf
- Water conservation is aided by the ADA-compliant, non-hold-open handle, which prevents toilet from exceeding intended flush volume
- Flush accuracy is controlled by CID[™] technology, also enhancing water efficiency
- Integrity of the product is maintained with the vandal-resistant stop cap
- Durability is facilitated with high copper, low zinc brass castings for dezincification resistance
- Adjustable tailpiece
- PERMEX synthetic rubber diaphragm with Dual Filtered Fixed Bypass
- Valve body, Cover, Tailpiece and Control Stop shall be in compliance with ASTM Alloy Classification for Semi-Red Brass
- Valve shall be in compliance to the applicable sections of ASSE 1037.

VIDEOS



ESS Flushometer



COMPLIANCES & CERTIFICATIONS











(ADA Compliant, BAA Compliant, BABAA Compliant, cUPC Certified, UL Certified)

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 (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 ESS Concealed and Exposed Installation Instructions
- Royal ESS TMO 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 Exposed Repair and Maintenance Guide
- Additional Downloads



NOTES

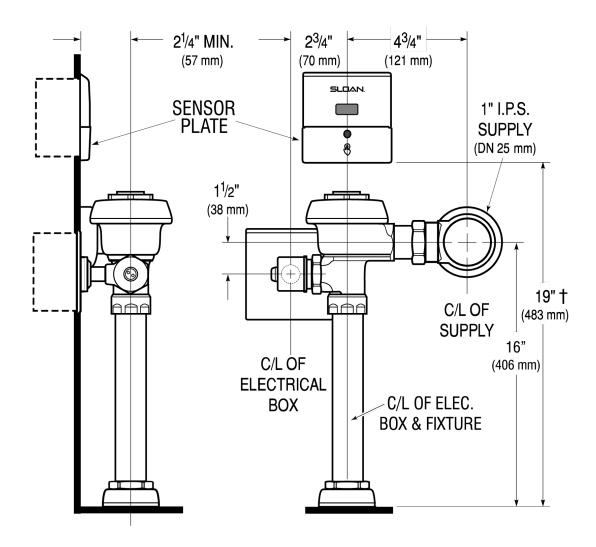
All information contained within this document subject to change without notice.

Looking for other variations of the ROYAL 113 ESS product? View the general spec sheet with all options.

WARRANTY

View Warranty Information

ROUGH-IN



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