

## CODE NUMBER

3010092

## DESCRIPTION

1.6 gpf, Polished Chrome Finish, Fixture Connection Top Spud, Single Flush, 1" Control Stop, Hardwired, Solenoid-Operated, 120V, Royal® Exposed Solenoid (less 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: 11 ½" (292mm)
- Spud Coupling: 1 ½" (38mm)
- Supply Pipe: 1" (25mm)
- Control Stop: 1" (1-IN-STOP)
- Voltage: 120V (120V)

## FEATURES

- Adjustable Tailpiece
- Non-Hold-Open Integral Solenoid Operator
- Solenoid Wall Flange (for 2-gang Electrical Box)
- 1" I.P.S. Screwdriver Bak-Chek® Angle Stop with free spinning vandal resistant stop cap
- Flex Tube Dual Filtered Bypass Diaphragm designed for improved life and reduced maintenance
- High Back Pressure Vacuum Breaker Flush Connection with OnePiece Bottom Hex Coupling Nut, Spud Coupling and Flange for 1-1/2" Top Spud
- Sweat Solder Adapter w/Cover Tube and Cast Wall Flange with Set Screw
- Non-Hold-Open Integral Solenoid Operator, Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- Diaphragm, Stop Seat and Vacuum Breaker to be molded from PERMEX® rubber compound for Chloramine resistance
- Model ES flushometers are activated remotely by an electric push button (not included). "ES" flushometers offer solutions for installations that require automatic, remote or other control requirements



## COMPLIANCES & CERTIFICATIONS



(ADA Compliant, BAA 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

- Solenoid Operator: 120 VAC

## VALVE OPERATING PRESSURE (FLOWING)

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

## DOWNLOADS

- [Royal ESS 110/111 Electrical Box Installation Instructions](#)
- [Royal Manual Diaphragm Flushometer Repair and Maintenance Guide](#)
- [Control Stop Repair and Maintenance Guide](#)
- [Flush Connections Flanges Repair and Maintenance Guide](#)
- [Tail Piece Repair and Maintenance Guide](#)
- [ES 24V-120V Exposed Flushometers](#)
- [Additional Downloads](#)

## NOTES

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

Looking for other variations of the ROYAL 111 ES product?  
[View the general spec sheet with all options.](#)

[Find a compatible urinal](#) for this flushometer.

[Find a compatible water closet](#) for this flushometer.

## WARRANTY

[View Warranty Information](#)

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**ROUGH-IN**

