

CODE NUMBER

3453043

DESCRIPTION

3.5 gpf, Rough Brass Finish, Single Flush, 2-10.75 L Dimension, Sensor-Operated with Modular Plug, Royal® Concealed Sensor Hardwired Urinal Flushometer.

DETAILS

- Flush Volume: 3.5 gpf (13.2 Lpf)
- Finish: Rough Brass (RB)
- Valve: Diaphragm
- Valve Body Material: Semi-red Brass
- Fixture Type: Urinal
- Fixture Connection: Rear spud
- Rough-In Dimension: 14 ½" (368mm)
- Spud Coupling: 1 ¼" (32mm)
- Supply Pipe: 1" (25mm)
- L Dimension: 2"-10 ¾" (51-273mm) (2-10-3/4-LDIM)

FEATURES

- PERMEX® Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass
- Non-Hold-Open Integral Solenoid Operator, Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- Quiet, Concealed, Diaphragm Type, Rough Brass Urinal
- Stop Seat and Vacuum Breaker molded from PERMEX® Rubber Compound for Chloramine Resistance
- OPTIMA® EL-461 Water Resistant (NEMA 4) Infrared Sensor with Indicator Light and 36-Inch Cord with Modular Plug
- Chrome Plated, Surface Mount Sensor Enclosure with Wall Gasket
- High Back Pressure Vacuum Breaker Flush Connection and Spud Coupling for 11/4" Concealed Back Spud
- Non-Hold-Open Integral Solenoid Operator w/15-Foot Cord & Modular Plug
- 1" I.P.S. Wheel Handle Bak-Chek® Angle Stop

VIDEOS

- [ESS Flushometer](#)



Variation Not Shown: 1.5" Flush Connection

COMPLIANCES & CERTIFICATIONS



(UL Certified, ADA Compliant, UPC Certified, BAA Compliant)

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
- Sensor Range: 0"-36" (0-914mm)
- Solenoid Operator: 24 VAC
- Transformers:
 - 0345154
 - 0345999

VALVE OPERATING PRESSURE (FLOWING)

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

DOWNLOADS

- [Sloan Concealed 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](#)
- [Additional Downloads](#)

NOTES

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

Looking for other variations of the ROYAL 190 ESS product?

Sloan 10500 Seymour Ave, Franklin Park, IL 60131

Phone: 800.982.5839 • Fax: 800.447.8329 • sloan.com

[View the general spec sheet with all options.](#)

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

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

ROUGH-IN

