

CODE NUMBER

3453016

DESCRIPTION

3.5 gpf, Rough Brass Finish, 1.5" Flush Connection, Single Flush, 2-10.75 L Dimension, Electrical Override, Hardwired, Sensor-Operated, Standard (not included, order separately) Wall Box, Royal® Concealed Sensor Hardwired Urinal Flushometer.

DETAILS

- Flush Volume: 3.5 gpf (13.2 Lpf)
- Finish: Rough Brass (RB)
- Power Type: Hardwired (HW)
- 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)
- Override: Electrical (OR)
- Wall Box: Standard (not included, order separately)
- Flush Connection: 1.5" (T)

FEATURES

- Flush volumes start as low as a pint of water
- Water conservation is aided by the ADA-compliant, non-hold-open handle, which, prevents urinal from exceeding intended flush volume
- Flush accuracy is controlled by CID™ technology, also enhancing water efficiency
- 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



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

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?

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

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

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

Sloan 10500 Seymour Ave, Franklin Park, IL 60131

Phone: 800.982.5839 • Fax: 800.447.8329 • sloan.com

4" (102 mm)

17 1/8" (435 mm)

6" (152 mm) MIN. SPACE REQUIREMENT IN WALL

"L" Dim. 2 3/4" (70 mm) + WALL THICKNESS

5" (127 mm) TO TOP OF FIXTURE

14 1/2" (368 mm)

13 1/8" (333 mm)

4 3/4" (121 mm)

1" I.P.S. (25 mm DN) WATER SUPPLY

18 1/2" (470 mm)

14 1/2" (368 mm)

4 1/4" (108 mm)

7 1/4" (184 mm)

C/L OF FIXTURE

Page 2 of 2