



Variation Not Shown: Less Stop & Vacuum Breaker

## Royal® Sensor Flushometer

### ROYAL 195 ESS-1.5-L/STOP-RB-HW-XYV-24V

#### Product description

1.5 gpf, Rough Brass Finish, Fixture Connection Rear Spud, Single Flush, Less Control Stop, 2"-10.75" L Dimension, Electrical Override, Hardwired, Sensor-Operated, Less Vacuum Breaker, 24V, Royal® Concealed Sensor Hardwired Urinal Flushometer.

#### Compliances & Certifications



(ADA Compliant\*, BAA Compliant, BABAA Compliant, IAPMO, UL Certified (US), cUPC Certified)

#### Code 3453247

#### Finish

 Rough Brass (RB)

#### Downloads

- [Royal ESS Concealed and Exposed Installation Instructions.pdf](#)
- [Optima ESS Repair and Maintenance Guide.pdf](#)
- [Royal 152\\_195 ESS TMO Installation Instructions.pdf](#)
- [Control Stop Repair and Maintenance Guide.pdf](#)
- [Flush Connections Flanges Repair and Maintenance Guide.pdf](#)
- [Flushometers Brochure.pdf](#)
- [Additional Downloads](#)

#### Videos

- [ESS Flushometer](#)

## Details

- Flush Volume: 1.5 gpf (5.7 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: 13.5" (343mm)
- Spud Coupling: 0.75" (19mm)
- Supply Pipe: 0.75" (19mm)
- L Dimension: 2"-10.75" (51-273mm)
- Override: Electrical
- Control Stop: Less (L/STOP)
- Vacuum Breaker: Less (XYV)
- Voltage: 24V (24V)

## 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

## Recommended specifications

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: 1 seconds
- Sensor Range: 15"-30" (381 - 762mm)
- Self-Adaptive Window: ±8"
- Solenoid Operator: 24 VAC
- Transformers (Specify Separately):
  - EL-154/0345154
  - EL-342/0345999

## Valve Operating Pressure (Flowing)

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

## Warranty

[View Warranty Information](#)

## Notes

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

\*Compliant with ADA accessibility requirements when installed according to ADA standards.

Looking for other variations of the ROYAL 195 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.

