

OPTIONS

Flush Volume

- 1.0 gpf (3.8 Lpf) (1.0)
- 3.5 gpf (13.2 Lpf) (3.5)
- 1.5 gpf (5.7 Lpf) (1.5)
- 0.5 gpf (1.9 Lpf) (0.5)

Water Efficiency

- Water Saver
- Low Consumption
- High Efficiency

L Dimension

- 2"-10 ¾" (51-273mm)
- 11"-12 ¾" (279-324mm)
- 19 ¾" (502mm) (19-3/4-LDIM)
- 13"-14 ¾" (330-375mm)
- 5"-6 ¾" (127-171mm)

Override

- Less (L/OR)
- Electrical
- True Mechanical (TMO)

Wall Box

- With (W/BOX)
- Small (SWB)

Control Stop

- 1" Straight (E)

Inlet

- 1"

Compliances & Certifications

- ADA Compliant
- BAA Compliant
- BABAA Compliant
- UL Certified
- UPC Certified
- cUPC Certified
- BREEAM Water Credit
- Green Globes Water Credit
- LEED V4 Water Efficiency Credit
- Satisfies LEED Credits

NOTES

For product line drawings, [view model-specific spec sheets](#).

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



Image for a standard ROYAL 190 ESS shown

DESCRIPTION

Royal® Concealed Sensor Hardwired Urinal Flushometer

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
- If the valve is an ESS WB, the 13 x 17 wall box is included. If it's a manual valve WB variation, then the wall box needs to be ordered separately

DOWNLOADS

- [Royal ESS Concealed with Wall Box Installation Instructions](#)
- [Royal ESS Concealed and Exposed 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](#)

VIDEOS



ESS Flushometer