

OPTIONS

Flush Volume

- 1.6 gpf (6.0 Lpf) (1.6)
- 1.28 gpf (4.8 Lpf) (1.28)
- 1.1 gpf (4.2 Lpf) (1.1)
- 2.4 gpf (9.1 Lpf) (2.4)

Finish

- Polished Chrome (CP)
- Graphite (GR)
- Brushed Nickel (BN)
- Brushed Stainless (SF)
- Polished Brass (PB)

Power Type

- Hardwired (HW)

Activation

- Sensor

Valve

- Diaphragm

Water Efficiency

- Low Consumption
- High Efficiency
- Water Saver

Fixture Type

- Water Closet

Fixture Connection

- Top Spud

Installation

- Exposed

Override

- Electrical
- True Mechanical (TMO)

Control Stop

- 1"
- Less (L/STOP)

Vacuum Breaker

- Less (XYV)

Offset

- 2" (51mm) (2-OFST)

Outlet Tube

- Trap Primer (TP)



DESCRIPTION

Royal® Exposed Sensor Hardwired Water Closet Flushometer

FEATURES

- Water conservation is aided by the ADA-compliant, non-hold-open handle, which prevents toilet from exceeding intended flush volume
- Flush accuracy is controlled by CID™ technology, also enhancing water efficiency
- Integrity of the product is maintained with the vandal-resistant stop cap
- 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.

DOWNLOADS

- [Royal ESS 110/111 Electrical Box Installation Instructions](#)
- [Royal ESS Concealed and Exposed Installation Instructions](#)
- [Royal ESS TMO Installation Instructions](#)
- [Royal 110/111/180/186 ESS TMO \(Spanish\) 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](#)

Voltage

24V

Adapter

28mm Sweat Solder Adapter Kit
Cast Set Screw Wall Flange (YBC)

Bumper

Angle Stop (YO)
Angle Stop Extended (YG)

Compliances & Certifications

ADA Compliant
BAA Compliant
BABAA Compliant
UL Certified
cUPC Certified
Satisfies LEED Credits
WaterSense Listed
cUPC Green Certified
BREEAM Water Credit
Green Globes Water Credit

- [Optima ESS TMO Exposed Repair and Maintenance Guide](#)
- [Additional Downloads](#)

VIDEOS

- ▶ [ESS Flushometer](#)
- ▶ [PVD Special Finishes](#)

NOTES

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

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