

OPTIONS

Flush Volume

- 1.6 gpf (6.0 Lpf) (1.6)
- 1.28 gpf (4.8 Lpf) (1.28)

Water Efficiency

- Low Consumption
- High Efficiency

Control Stop

- 1"
- Less (L/STOP)

Vacuum Breaker

- Less (XYV)

Outlet Tube

- Trap Primer (TP)

Bumper

- Angle Stop (YO)

Pipe Support

- Solid Ring (YK)

Compliances & Certifications

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

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 111 SMO shown

DESCRIPTION

Royal® Exposed Sensor Water Closet Flushometer

FEATURES

- All organic rubber has been replaced with synthetic compounds
- Critical components, including cover, valve body, control stop and sweat solder kit, are made of semi-red brass
- 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

- [Optima SMO Installation Instructions](#)
- [Royal Exposed Installation Instructions](#)
- [Royal Exposed Spanish Installation Instructions](#)
- [Control Stop Repair and Maintenance Guide](#)
- [Flush Connections Flanges Repair and Maintenance Guide](#)
- [Tail Piece Repair and Maintenance Guide](#)
- [Royal Manual Diaphragm Flushometer Repair and Maintenance Guide](#)
- [EBV-89A Side Mount Repair and Maintenance Guide](#)
- [Additional Downloads](#)