

OPTIONS

Flush Volume

- 1.0 gpf (3.8 Lpf) (1.0)
- 0.125 gpf (0.5 Lpf) (0.125)
- 0.5 gpf (1.9 Lpf) (0.5)
- 0.25 gpf (0.9 Lpf) (0.25)
- 1.5 gpf (5.7 Lpf) (1.5)

Finish

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

Power Type

- Hardwired (HW)

Activation

- Sensor

Valve

- Diaphragm

Water Efficiency

- High Efficiency
- Low Consumption
- Water Saver

Bypass

- Dual-Filtered Bypass

Fixture Type

- Urinal

Fixture Connection

- Top Spud

Installation

- Exposed

L Dimension

- 2"-10 ¾" (51-273mm)

Override

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

Push Button

- C2A (C2A)



Image for a standard ROYAL 186 ESS shown

DESCRIPTION

Royal® Exposed Sensor Hardwired Urinal Flushometer

FEATURES

- Sensor-activated, hardwired urinal flushometer
- PERMEX™ Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass
- Durability is facilitated with high copper, low zinc brass castings for dezincification resistance
- Adjustable tailpiece
- 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

- [Royal ESS TMO 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](#)
- [Flushometer Pressure gauges](#)
- [Additional Downloads](#)

VIDEOS

Control Stop

3/4"
1"
Ground Joint (GJ)
Less (L/STOP)

- ▶ ESS Flushometer
- ▶ PVD Special Finishes

Inlet

1"

Vacuum Breaker

Less (XYV)

Voltage

24V

Pipe Support

Solid Ring (YK)

Compliances & Certifications

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

NOTES

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

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