

## CODE NUMBER

3012660

## DESCRIPTION

1.5 gpf, Polished Chrome Finish, Single Flush, Battery, Royal® Exposed Sensor Urinal Flushometer.

## DETAILS

- Flush Volume: 1.5 gpf (5.7 Lpf)
- Finish: Polished Chrome (CP)
- Power Type: Battery
- Battery Life: 3 years
- Valve: Diaphragm
- Valve Body Material: Semi-red Brass
- Fixture Type: Urinal
- Fixture Connection: Top spud
- Rough-In Dimension: 11 ½" (292mm)
- Spud Coupling: ¾" (19mm)
- Supply Pipe: ¾" (19mm)

## FEATURES

- PERMEX® Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass
- Non-Hold-Open Handle, Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- "User in View" Flashing LED
- Sweat Solder Adapter w/Cover Tube and Cast Wall Flange w/Set Screw

Optima SMOOTH Unit

- Sensor with Automatic Range Adjustment
- Mechanical Manual Override Flush Handle
- ADA Compliant Metal Oscillating Non-Hold-Open Handle
- 3/4" I.P.S. Wheel Handle Bak-Chek® Angle Stop
- Diaphragm, Stop Seat and Vacuum Breaker to be molded from PERMEX® rubber compound for Chloramine resistance
- ADA Compliant OPTIMA® SMOOTH® Battery Powered Infrared Sensor for automatic "Hands-free" operation



## COMPLIANCES & CERTIFICATIONS



(ADA Compliant, cUPC Certified, BAA Compliant)

## RECOMMENDED SPECIFICATION

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

- Battery Life: 3 years

## VALVE OPERATING PRESSURE (FLOWING)

PSI (0 kPa). Specific fixtures may require greater minimum flowing pressure - consult manufacturer requirements.

## DOWNLOADS

- [EL 600-A Installation Instructions](#)
- [EBV 200 Installation Instructions](#)
- [Control Stop Repair and Maintenance Guide](#)
- [Flush Connections Flanges Repair and Maintenance Guide](#)
- [Tail Piece Repair and Maintenance Guide](#)
- [Additional Downloads](#)

## NOTES

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

Looking for other variations of the ROYAL 186 SMOOTH product? [View the general spec sheet with all options.](#)

[Find a compatible urinal](#) for this flushometer.

[Find a compatible water closet](#) for this flushometer.

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Technical drawings of the AquaSense® 2000 flush valve showing side and front views with dimensions.

**Side View Dimensions:**

- Top mounting bracket width: 2 1/4" MIN. (57 mm)
- Height from wall to top of valve body: 11 1/2" (292 mm)
- Centerline of waste outlet: CENTERLINE OF WASTE
- Finish floor level: FIN. FLOOR
- Finish wall level: FIN. WALL

**Front View Dimensions:**

- Top mounting bracket width: 1 11/16" (43 mm)
- Height from centerline to top of valve body: 4 1/4" (108 mm)
- Width of valve body: 6" (152 mm)
- Distance from centerline to right side connection: 4 3/4" (121 mm)
- Centerline of fixture: CENTERLINE OF FIXTURE
- Supply connection: 3/4" I.P.S. SUPPLY (DN 20 mm)
- Height from centerline to bottom of valve body: 33/8" (86 mm)
- Flush valve handle center: FLUSH VALVE HANDLE CENTER
- Distance from centerline to bottom of valve body: 6" (152 mm)

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