



Variation Not Shown: 1" Flush Connection

## Royal® Solenoid (less sensor) Flushometer

### ROYAL 180 ES-3.5-CP-V-120V

#### Product description

3.5 gpf, Polished Chrome Finish, 1" Flush Connection, Fixture Connection Top Spud, Single Flush, Hardwired, Solenoid-Operated, 120V, Royal® Exposed Solenoid (less sensor) Hardwired Urinal Flushometer.

#### Compliances & Certifications



(ADA Compliant, BAA Compliant, IAPMO, UL Certified, USA, UPC Certified)

#### Code 3912458

#### Finish

 Polished Chrome (CP)

#### Downloads

- [Royal ESS Concealed and Exposed Installation Instructions.pdf](#)
- [Control Stop Repair and Maintenance Guide.pdf](#)
- [Flush Connections Flanges Repair and Maintenance Guide.pdf](#)
- [Additional Downloads](#)

#### Videos

- [Sloan – Company Overview](#)

## Details

- Flush Volume: 3.5 gpf (13.2 lpf)
- Finish: Polished Chrome (CP)
- Power Type: Hardwired (HW)
- Valve: Diaphragm
- Valve Body Material: Semi-red Brass
- Fixture Type: Urinal
- Fixture Connection: Top Spud
- Rough-in Dimension: 11.5" (292mm)
- Supply Pipe: 1" (25mm)
- Flush Connection: 1" (25mm) (V)
- Voltage: 120V (120V)

## 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

## Recommended specifications

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

- Solenoid Operator: 120 VAC
- Transformers (Specify Separately):
  - EL-154/0345154
  - EL-342/0345999

## Valve Operating Pressure (Flowing)

15–80 psi (103 – 552 kPa). Specific fixtures may require greater minimum flowing pressure – consult manufacturer requirements.

## Warranty

[View Warranty Information](#)

## Notes

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

Looking for other variations of the ROYAL 180 ES product? [View the general spec sheet with all options.](#)

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

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

