



## Royal® Solenoid (less sensor) Flushometer

ROYAL 150 ES-ESM-3.5-RB-HW-24V

### Product description

3.5 gpf, Rough Brass Finish, Fixture Connection Not Included, Single Flush, Hardwired, Solenoid-Operated with Modular Plug, 24V, Royal® Concealed Solenoid (less sensor) Hardwired Water Closet Flushometer.

### Compliances & Certifications



(ADA Compliant\*, BAA Compliant, IAPMO, UL Certified (US), UPC Certified)

Code 3911565

### Finish



Rough Brass (RB)

### 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](#)

# Product Information

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## Details

- Flush Volume: 3.5 gpf (13.2 lpf)
  - Finish: Rough Brass (RB)
  - Power Type: Hardwired (HW)
  - Valve: Diaphragm
  - Valve Body Material: Semi-red Brass
  - Fixture Type: Water Closet
  - Fixture Connection: Not Included
  - Supply Pipe: 1" (25mm)
  - Voltage: 24V (24V)
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## Features

- Flush volumes start as low as 1.28 gpf/4.8 Lpf
- 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

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## 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.

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## Electrical specifications

- Control Circuit:
    - 24 VAC Input
    - 24 VAC Output
    - Solid State
  - Solenoid Operator: 24 VAC
  - Transformers (Specify Separately):
    - EL-154/0345154
    - EL-342/0345999
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## Valve Operating Pressure (Flowing)

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

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## Warranty

[View Warranty Information](#)

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## Notes

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

\*Compliant with ADA accessibility requirements when installed according to ADA standards.

Looking for other variations of the ROYAL 150 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.

