



## Royal® Sensor Flushometer

ROYAL 154 ES-SM-ES-SM-1.6-RB-HW-24V

### Product description

1.6 gpf, Rough Brass Finish, Fixture Connection Rear Spud, Single Flush, 2"-10.75" L Dimension, Electrical Override, Hardwired, Sensor-Operated with Modular Plug, 24V, Royal® Concealed Sensor Hardwired Water Closet Flushometer.

### Compliances & Certifications



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

Code 3919370

### Finish

 Rough Brass (RB)

### Downloads

- [150\\_152\\_190\\_194\\_195 ES-SM Installation Instructions.pdf](#)
- [Control Stop Repair and Maintenance Guide.pdf](#)
- [Flush Connections Flanges Repair and Maintenance Guide.pdf](#)
- [Additional Downloads](#)

### Videos

- [ESS Flushometer](#)

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## Details

- Flush Volume: 1.6 gpf (6.0 lpf)
- Finish: Rough Brass (RB)
- Power Type: Hardwired (HW)
- Valve: Diaphragm
- Valve Body Material: Semi-red Brass
- Fixture Type: Water Closet
- Fixture Connection: Rear Spud
- Rough-in Dimension: 20.5" (521mm)
- Spud Coupling: 1.5" (38mm)
- Supply Pipe: 1" (25mm)
- L Dimension: 2"-10.75" (51-273mm)
- Override: Electrical
- Voltage: 24V (24V)

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## Features

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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

- Arming Delay: 8 seconds
- Sensor Range: 0"-36" (0 - 914mm)
- 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 154 ES-SM product?

[View the general spec sheet with all options.](#)

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

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

