



# Selecting a Sloan Diaphragm Flushometer

## Regal vs Sloan vs Royal

### Q&A Summary

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**Q: Do all of the Regal, Sloan and Royal meet Buy America Act (BAA) requirements?**

**A:** Yes.

**Q: We often see Royal specified but another brand given as an equal. How do you address this?**

**A:** We do not believe there is a true equivalent to the Royal diaphragm flushometer and its features on the market. We do recognize that in many public bids three or more vendors are required and therefore there is some “acceptance” of products that are not true equivalents. The best way to differentiate the Royal is through education and a thorough understanding of what these products offer versus alternatives.

**Q: Is there an application that favors a Sloan over a Royal?**

**A:** In some instances a Sloan is preferred because water conditions are not as severe and the customer is more focused upon initial cost and not total cost of ownership over time.

**Q: Is the SaniGuard antimicrobial coating permanent or will it wear off?**

**A:** The coating is designed to be permanent when manufacturers instructions for care and cleaning are followed. If subjected to harsh chemical cleaning and abrasion it is possible to reduce the effectiveness of the coating.

**Q: Can you explain how the bypass works and the function of it?**

**A:** The bypass permits water from the control stop to pass from the lower chamber through the diaphragm to the upper chamber, where it provides pressure to hold the diaphragm in the closed position until activated. Detailed information regarding each type of bypass was presented in the webinar – including how the filtering mechanisms and other aspects of the Sloan and Royal bypasses improve function in applications with dirt, sediment and aggressive water conditions. The bypass also helps to “soften” the close of the diaphragm towards the completion of the flush cycle.

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**Q: Is there going to be a webinar covering piston vs. diaphragm flushometers?**

**A:** .Yes. You can view the webinar and download the presentation [HERE](#).

**Q: Is there any difference in the pressure required to properly operate flushometers?**

**A:** This is an excellent question and is one covered in detail during the recent piston vs. diaphragm webinar [HERE](#). In general fixtures are more sensitive to pressure and other variables than flushometers are.

**Q: Does Sloan make a product that retrofits tank type WCs from manual to touch-free operation?**

**A:** No. Our sister company FlushMate does offer something along these lines called [INTELLI-Flush](#).

**Q: What age Sloan flushometers are you seeing in the field?**

**A:** We come across Sloan flushometers from as far back as the 1920's and 1930's that still work just fine but are being replaced because the owner wants fittings with a newer looking finish. Even flushometers that are more than 100 years old can use the components Sloan manufactures today.

**Q: Does Sloan use any recycled materials to build its products?**

**A:** Yes. Sustainability is a mantra at Sloan and a fundamental part of how we do business. Our commitment to sustainability is documented [HERE](#). In particular we suggest that you review our [Transparency Reports](#). The Environmental Product Declaration for Sloan diaphragm flushometers (Regal, Sloan and Royal) showing our brass is 99% pre-consumer recycled content can be viewed [HERE](#).

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**Q: Will the CuVerro flushometer handle be available in a dual flush configuration anytime soon?**

**A:** We don't comment in advance of potential new product announcements but we invite anyone who feels strongly about a potential new product to contact one of our Product Line Managers directly. To learn more about flushometer handles made using the CuVerro alloy [Click here](#).

**Q: Is the [UPPERCUT](#) dual-flush handle, the [DFSM EBV550A](#) side-mount retrofit kit, the [ECOS](#) dual-flush RESS top-mount retrofit kit, and the [SOLIS](#) dual-flush RESS top-mount retrofit kit for 3.5 GPF or only 1.6 GPF?**

**A:** Only 1.6 GPF. [Click here](#) to learn more about our retrofit kits for converting manual flushometers into automatic touch-free sensor operation.

**Q: Are the bodies of the Regal, Sloan and Royal flushometers identical? If so are all of the parts for each interchangeable?**

**A:** In general the bodies of these flushometers are identical and the parts for each are interchangeable. The webinar identified the similarities and differences between Regal, Sloan and Royal but if you have additional questions please contact [Sloan Tech Support](#).

**Q: What is added or changed in the Royal flushometers to prepare them for reclaimed water use?**

**A:** Internally, the [Royal Reclaimed Water Flushometer](#) contains even more critical components made of semi-red brass than the standard Royal to better withstand the harsh conditions that reclaimed water presents. All organic rubber has also been replaced by synthetic compounds. Externally and internally a number of components are colored purple in order to signal that the flushometer is designed for use with reclaimed water.

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**Q: Which valve is best in a hard water environment?**

**A:** We recommend the [Royal](#) flushometers for challenging water conditions because of the dual filtered bypass design, Permex synthetic diaphragm material and triple handle seals among other features.

**Q: Are these products American Iron and Steel (AIS) compliant? We receive requests for this from the US Military occasionally.**

**A:** [American Iron and Steel \(AIS\)](#) requires American made iron and steel products and is generally applied towards public water treatment systems and not commercial bathrooms. If a project containing flushometers is requesting AIS compliance please contact [Sloan Customer Service](#). Our compliance experts can help clarify these types of requests.

**Q: Can you explain what “vulcanization” is and how it applies to Regal flushometer diaphragms?**

**A:** Vulcanization refers to a number of processes used for the hardening or “curing” of rubbers. In most instances it refers to the use of sulfur compounds, heat and pressure to transform the durability and flexibility of natural rubber materials. Most people are familiar with its use in the manufacture of automobile tires. Just like it increases the durability of tires, vulcanization also improves the performance of Regal flushometer diaphragms.

**Q: Does Sloan still manufacture Naval flushometers?**

**A:** Yes. Our [Naval](#) piston flushometers are built to withstand marine applications and are designed for the most corrosive water conditions. Additionally, our [Dolphin](#) piston flushometers are used aboard ships or in salt or freshwater environments.

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**Q: Do the Side Mount Retrofit Kits come with both right and left hand mounting options?**

**A:** Yes, they are designed to be mounted in either direction.

**Q: Which is better for converting a manual flushometer to automatic touch-free sensor operation – Side-Mount or Top-Mount retrofit kits?**

**A:** Both have their advantages and disadvantages. To better understand which might be the better choice for your facility we recommend viewing the recent Sloan webinar dedicated specifically to retrofit kits. The webinar provides detailed information that could influence your decision and can be viewed [HERE](#).

**Q: Can you confirm that Special Finishes are available only on the Royal flushometers?**

**A:** Yes, this is true. Sloan uses only the Physical Vapor Deposition (PVD) process for its special finishes because these are durable enough for use in commercial restrooms. A PVD finish can be three times or more resistant to chemical degradation and abrasion than a chrome finish. You can learn more about Sloan special finishes and the products they are available on [HERE](#).

**Q: Can the CuVerro antimicrobial flushometer handle be purchased as part of a flushometer or do we need to purchase the flushometer and handle separately to perform the upgrade?**

**A:** Sloan has just announced that a number of popular models ([Royal 111](#) and [Royal 186](#)) can be purchased with the CuVerro handle included. We will also continue to supply the [B-73-A](#) CuVerro retrofit handles as upgrade kits for those who want them.

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**Additional Questions? Please feel free to contact Sloan Customer Service or Technical Support.**

## **Sloan Customer Care Center**

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# Training Comments, Questions, or Suggestions?

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