



ISC2-PX-61

NSF/ANSI/CAN 61 Certified Standard Cartridge Seals for Drinking Water Applications

Increased reliability and
reduced cost of ownership
in a versatile cartridge seal

ISC2 Series seals provide exceptional reliability and standardization over the widest variety of industrial applications and equipment.

NSF/ANSI/CAN 61

ISC2-PX-61 pusher seals are certified to NSF/ANSI/CAN 61 and NSF/ANSI/CAN 372 for applications that involve drinking water, from the source to the tap. These certifications cover all wetted components, giving municipalities and consumers confidence in safe seal selection and operation.



Certified to
NSF/ANSI/CAN 61
& NSF/ANSI/CAN 372



Improved operational efficiency

Designed to meet global equipment requirements, performance expectations, service conditions and best practices, ISC2 seals are the most capable general purpose cartridge seals available. Standardizing with ISC2 seals immediately delivers benefits from less inventory, greater flexibility, rapid availability, less downtime and longer seal life.

Superior quality, reliability and safety

- **Improves water quality** by adhering to strict industry and regulatory requirements
- **Trusted third-party certification** from established, unbiased authorities
- **Consistent product quality** backed by annual NSF inspections and recertifications
- **Higher tolerance for dry running and cavitation** delivered by patented thermal management technology
- **Maximum reliability** ensured by robust drive mechanism that delivers high torque loads with low seal stress
- **Additional safety and reliability** enabled by fixed carbon bushing on the atmospheric side

You're not alone with Flowserve

ISC2 seal hardware is just one component of Flowserve's commitment to reducing your total cost of ownership (TCO). Flowserve seals are backed by 24-hour support, on-site service, engineering analysis, repair capabilities, custom stocking programs and on-time delivery.

To measurably improve your mean time between repair (MTBR), the ISC2 seal fits perfectly in Flowserve LifeCycle Advantage™ inventory standardization programs.



Certified materials and sizes

- **Metal parts:** 316 stainless steel
- **Seal faces:** Sintered silicon carbide vs. sintered silicon carbide, sintered silicon carbide vs. premium resin carbon
- **Gaskets:** Fluoroelastomer
- **Sizes:** 25 to 200 mm (1.000 to 8.000 in)

Product specifications

- Seal shall be a single mechanical cartridge seal utilizing a flexible stator design.
- Springs shall be isolated from the process fluid and designed to eliminate shaft fretting and stress corrosion.
- Seal shall incorporate multiple coil springs for even face loading.
- Seal shall be supplied with a tangential flush port and carbon throttle bushing with quench and drain ports.
- Seal shall include thermal management feature with the use of carbon graphite between the rotary face and metal sleeve to improve dissipation of seal face generated heat.
- Stationary seal face shall be driven by self-aligning square head drive pins to evenly distribute torque loads and increase torque capability.
- Seal must utilize 17-4 H900 stainless steel set screws to securely engage the shaft or pump sleeve.
- Seal, as an assembled unit, shall be certified to NSF/ANSI/CAN 61 and NSF/ANSI 372 standards, and meet the requirements of the U.S. Safe Drinking Water Act of 2014.
- The packaging or documentation shipped with the certified seal shall bear the NSF mark.

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Flowserve Corporation has established industry leadership in the design and manufacture of its products. When properly selected, this Flowserve product is designed to perform its intended function safely during its useful life. However, the purchaser or user of Flowserve products should be aware that Flowserve products might be used in numerous applications under a wide variety of industrial service conditions. Although Flowserve can provide general guidelines, it cannot provide specific data and warnings for all possible applications. The purchaser/user must therefore assume the ultimate responsibility for the proper sizing and selection, installation, operation, and maintenance of Flowserve products. The purchaser/user should read and understand the Installation Instructions included with the product, and train its employees and contractors in the safe use of Flowserve products in connection with the specific application.

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