



# ISC2-PX-61 NSF/ANSI/CAN 61 Certified Standard Cartridge Seals for Drinking Water Applications



## NSF/ANSI/CAN 61

ISC2-PX-61 pusher seals satisfy NSF International's rigorous evaluation process and are certified to NSF/ANSI/CAN 61 and NSF/ANSI 372 for applications that involve drinking water, from source to the tap.

NSF certifications cover all wetted components and demonstrate how ISC2-PX-61 seals meet regulatory requirements for drinking water quality, giving municipalities and water consumers confidence in safe seal selection and operation.



## The ISC2 seal difference

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.

## Features and benefits

- **Improve water quality** with NSF/ANSI/CAN 61 certified product adhering to strict industry and regulatory requirements
- **Third-party**, non-biased evaluation from well-established certification body
- **Product quality and consistency**, backed by annual NSF inspections and testing to maintain certification
- **Higher tolerance for dry running and cavitation** delivered by 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.

**SSFLY000878-00 (EN/A4) January 2023**

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