

Wastewater treatment and purification - now more than ever – is vital to every community’s ecosystem. Both municipal treatment facilities and industrial systems must comply with government mandated water quality regulations. Flex-A-Seal offers a selection of economical, reliable, and easy-to-install mechanical seals to address wastewater processes from thick sludge to chlorinated water.

Mechanical seals hold several advantages over pump packing including –

- No initial adjustment period or rigid maintenance schedule.
- No damage to pump shaft sleeves.
- Minimized water consumption / usage.

Eliminate the hassle of high maintenance pump packing and reclaim your downtime.

### **Style 85: The World’s First Fully Split Cartridge Mechanical Seal option**

- Easy installation; two seal halves safely enclose seal faces and springs. Just bolt the two halves together over the shaft and you’re done.
- Hydraulically balanced, stationary multi-spring design that is primarily mounted outside the stuffing box. The springs are protected and out of the product to eliminate clogging.
- Utilizes centrifugal force to keep the solids away from the seal faces while maintaining the ability to handle higher speeds, internal pressures and misalignment.
- The static shaft sleeve O-ring is positioned outside of the stuffing box to assure a good sealing surface, even on worn packing sleeves!
- The only split cartridge mechanical seal which is fully assembled and pressure tested at the factory. This ensures the sealing integrity of each seal before it is sent to the field.



### **Style 57: The Single Spring Cartridge Seal option**

- Heavy duty single spring won't break or clog during operation.
- Simple installation and economical to repair.
- Fits ANSI standard & big bore pumps.
- Rugged design ideal for low pressure applications like wastewater.



### **RB1: The Rotating Welded Metal Bellows Cartridge Seal option**

- Rotating welded metal bellows self-clean during operation.
- No moving elastomers means no fretting or hang-up.
- Sleeve is isolated from the product.
- Uniform 360° transfer of torque to primary rotating face.

### **SMS1: The Stationary Multi-Spring Cartridge Seal option**

- Stationary springs are located out of the product.
- Seal faces are positioned in the gland for maximum protection and reliable startup.
- Dynamic O-ring moves on non-metallic surface, eliminating fretting.
- Sleeve is isolated from the product.



Flex-A-Seal has provided - and continues to provide - successful wastewater solutions to industries such as pulp and paper, refineries, and food/beverage production as well as water treatment facilities all over North America. Contact us to see how we can solve your sealing challenge!