

RIS

A non-clogging, component seal for tough slurry applications

The RIS seal has a unique, non-clogging design that does not utilize springs or bellows. The innovative design of the adaptive components allows the seal to be installed from the wet-end of the pump and to be adjusted externally. With many pump designs, the seal may be reset automatically during impeller clearance adjustment.



Features and Benefits

- The stationary seal face is attached to a smoothly contoured flexible rubber element which holds the seal faces together and absorbs relative shaft movement when the pump is in operation.
- A true non-clogging design provides longer MTBF with the rubber in shear component.
- External adjustments compensate for minor seal wear with no pump disassembly and compensate for pump misalignment.
- A lack of dynamic gaskets provides longer MTBF by eliminating seal face hang-ups.
- Extensive factory and field tests on hard slurries insures consistent and peak performance.
- With the control of slurry composition no flush is required, saving water and energy costs.
- Eliminating process leakage reduces water and disposal problems, packing sleeve wear and bearing failures.

Materials of Construction

Stationary Assembly CD-4MCu and Alloy C-276

Balance of Parts AISI 316, CE-4MCu and Alloy C-276

Other materials available optionally

Seal Faces Silicon Carbide or Tungsten Carbide

Elastomers Bortex I* Rubber in Shear Element
O-rings Ethylene-Propylene

*Bortex™ is a rubber compound developed by Flowserve