

DF-II Seal

for Discharge Valve Assemblies*

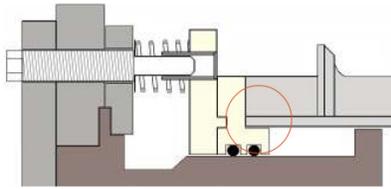
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An Old Problem

The DF-II Seal was developed to provide an alternative to packing at the discharge valve. Because packing damages trunnion surfaces, its ability to seal effectively diminishes over time.

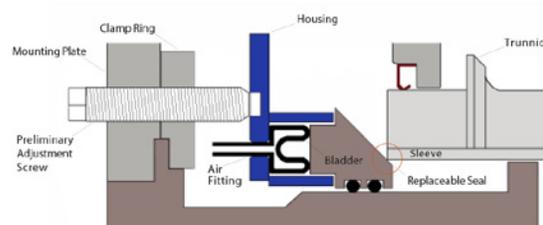
Before the introduction of the DF-II design, mechanical seals relied on a flat interface between the sealing element and the trunnion. The problem with this arrangement is that filtrate can migrate to the mild steel portion of the trunnion where corrosion begins:



Conventional mechanical seals that use a manual tightening system, which can result in uneven pressure through the circumference of the seal, may experience an increased risk of migrating filtrate.

A New Solution

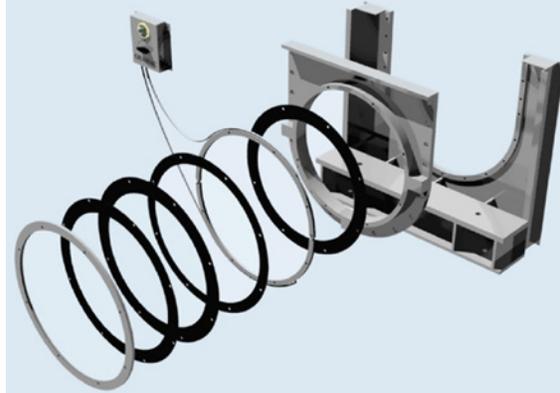
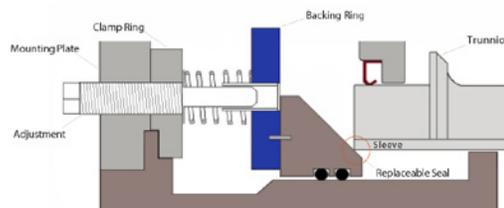
The DF-II design produces a highly effective seal by presenting a beveled surface (UHMW/PE) to the inner corner of the trunnion's wear sleeve. This minimizes the interface area of the two surfaces, imposing less wear on your equipment.



The DF-II uses air (low psi), to provide a uniform application of pressure around the entire circumference of the seal. This pressure is applied as the air bladder (see illustration, below) fills with air. This avoids the uneven pressure along the sealing surface that can result from manual adjustment of the pressure.

Manual Adjustment

For mills that prefer a manual adjusting system for the seal, the DF-II is available with that option (see below). This eliminates the need for mill air to be used to maintain pressure. Replaceable, beveled UHMW/PE component provides the same effective interface between the seal and trunnion sleeve.



- Replaces packing at the discharge valve
- Innovative system provides a more effective vacuum seal
- Virtually eliminates wear on trunnions
- Seal assembly and replaceable components are easily installed
- Hydraulic and manual adjustment options available.

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Expect Streamlined Maintenance With the DF-II Seal

The DF-II installs quickly and eliminates the maintenance headaches associated with packing. The seal, bladder and o-rings are wear components that are also installed quickly and easily.

Call on Triosim to learn more about this, and other products and services designed to provide you with practical solutions at realistic prices.

The DF-II uses air (low psi), to provide a uniform application of pressure around the circumference of the seal. This pressure is applied as the air bladder (see illustration, above) fills with air. The seal is also available with manual adjustment, if desired.

