PPC
MECHANICAL SEALS

America's Full Spectrum
Mechanical Seal Manufacturer

PPC's P-3F Dual Cartridge Mechanical Seal

PPC Mechanical Seal's P-3F Dual Cartridge Mechanical Seal is a heavy duty contacting (wet) seal designed to minimize footprint and maximize performance.

P-3F Key Features:

- True cartridge seal that can be installed in minutes without any equipment modifications.
- Self-aligning stationary design handles stuffing box misalignment with a single movement vs. oscillating springs in rotary designs (1 movement vs. RPM x 2 for spring movements).
- Stationary springs are located outside of the product.
- Robust, large cross section monolithic seal faces; two identical stationary faces sealing against a common rotary face.
- No "Press Fits" in seal. The seal faces are not press fitted inserts (no metal holders for faces). They provide superior performance under extreme conditions without distortion.
- Double balanced design can handle pressure reversals.
- A Pumping Ring is a standard for optimal barrier/buffer fluid flow.
- Tangential buffer/barrier ports (NPT) for improved fluid flow around seal faces.
- Large internal clearances coupled with the Tri-Face Geometry of seal faces allow for more efficient cooling and lubrication of the faces.
- A "Bi-Metal Gland" for reduced cost in exotic metallurgical applications.
- Seals are pretested at factory prior to shipping.
- Available in sizes from 1" to 4-3/4".

Standard Materials:

- Standard face materials: Carbon vs. Silicon Carbide or Silicon Carbide vs Silicon Carbide
- All metal parts: 316SS except for Hastelloy C springs.
- Standard elastomers: FKM, FFKM-Perfluoroelastomers, EPDM, Aflas
- Food Grade Materials are available

Operating Parameters*:

- Pressures: Full Vacuum to 300 psig (21 bar)
- Shaft Speed: Up to 6000 fpm (30 m/s)
- Temperature: 0 to 400 degrees F, -18 to 204 degrees C

*For applications exceeding any of these parameters, please consult PPC's Engineering group.

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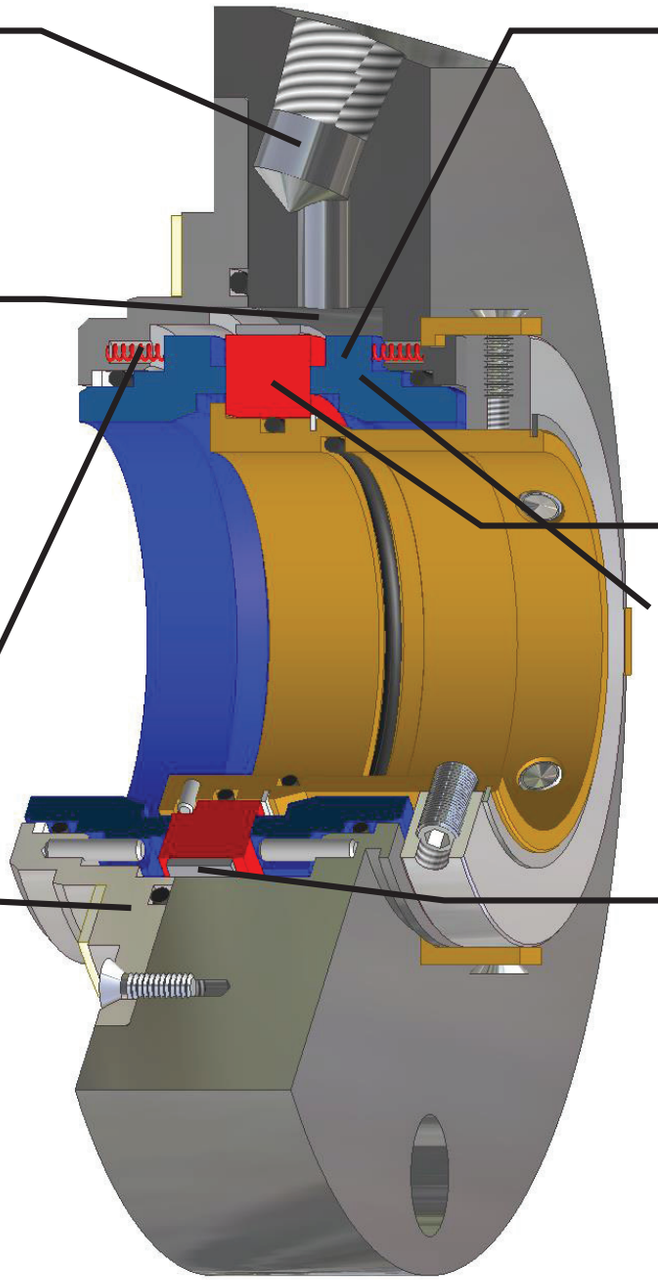

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