

ROTOFLUID SEALING SYSTEM



INDUSTRIAL SOLUTIONS

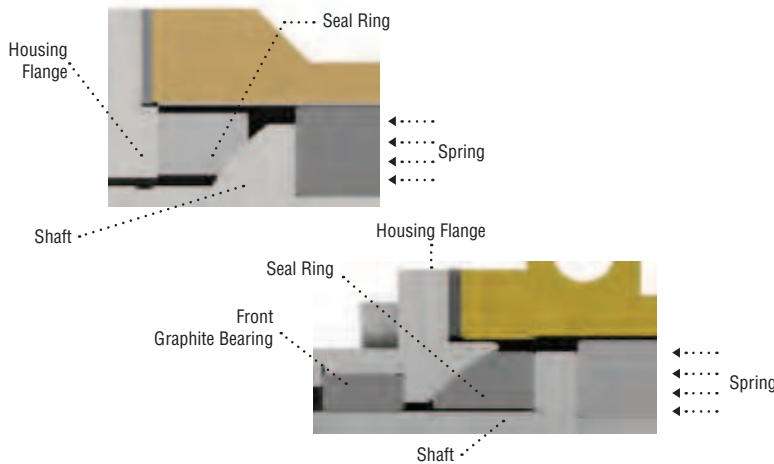
FICOBA (Recinto Ferial Gipuzkoa)
AVDA. IPARRALDE, 43 - ROOM 3
20302 IRUN-GIPUZKOA (SPAIN)

00 34 646 211965
RCC@RCCINDUSTRIAL.COM
RCCINDUSTRIAL

WWW.RCCINDUSTRIAL.COM

ROTOFLUID uses different sealing systems depending on the applications and products.

1-CONVENTIONAL SEALING SYSTEM

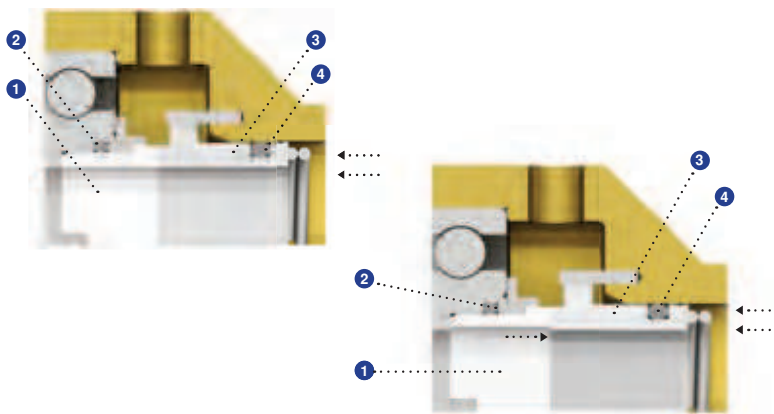


Conventional seal system is also called pressure type sealing; which sealing is assured with pressure and all forces applying on the seal faces.

According to application parameters, all seals are designed for min. seal wear on the sealing faces for longer life.

Depending on the application and models; **ROTOFLUID** uses convex and concave seal rings which are self-aligning seals and made of proprietary materials.

2-BALANCED SEALING SYSTEM



Seal theory of rotating joints is known as "when pressure on the seal faces increases, force on the sealing surface increases, which will result tighter and better sealing" But when force on the seal faces increases, friction between seal faces increases which results higher torque for rotation.

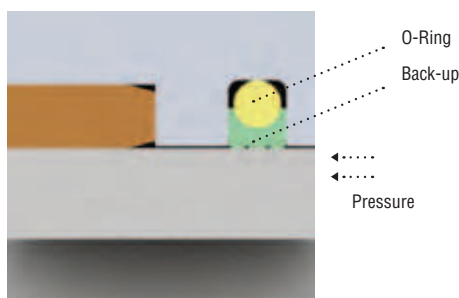
With Balanced Sealing System, the force on the seal faces kept min. regardless of the pressure of the fluid and assures lower torque with longer seal life is assured.

Balanced Mechanical Seal Elements

- (1) Rotary Seal
- (2) Rotary Seal O-ring
- (3) Floating Seal Ring
- (4) Floating Seal O-ring

1	2	3	4
CARBON GRAPHITE	VITON NBR EPDM	CARBON GRAPHITE	VITON NBR EPDM
SIC		SIC	
TUC		TUC	
		CERAMIC	

4-O-RING & BACK-UP SYSTEM



ROTOFLUID uses o-ring & back-up sealing in most of the pneumatic & hydraulic rotary unions. O-ring is used for static sealing and teflon back-up is used for dynamic sealing.

Seal materials of the o-ring and back-up changes according to application parameters.

ROTOFLUID also uses different seal types with different configurations for special applications.

