

Roplan SDRG

Roplan
MECHANICAL SEALS

Features

- For dry running top entry agitator applications
- Externally mounted seal
- Product contact parts fully traceable
- Meets requirements of ASME BPE standard
- Suitable for CIP and SIP
- Suitable for vacuum conditions
- Pharma grade elastomers and seal faces as standard
- Polished and EP surface finish available upon request
- Setup clips included for ease of installation



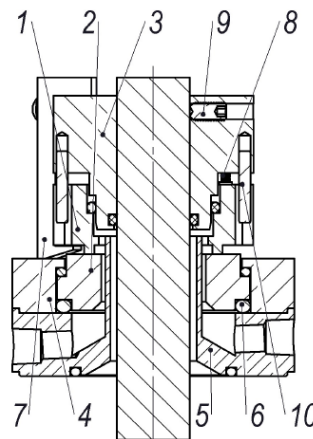
Benefits

- No dynamic O-ring in contact with shaft or shaft sleeve prevents fretting and wear.
- Proprietary carbon grades greatly reduce noise.
- Self-drainable debris well design.
- Seal has higher tolerance for shaft deflection and misalignment (up to 0.150" TIR).
- Exposed O-ring grooves improves cleanability.

Single Mechanical Seal

Items, Description, Material

1. Seal Ring – See code
2. Mating Ring – See code
3. Drive Ring – See code
4. Gland Ring – 316L
5. Debris Well – See code
6. O-Ring – See code
7. Setup Clip – Aluminum
8. Coil Spring – 301/302
9. Set Screw – 304
10. Pin – 316



Performance

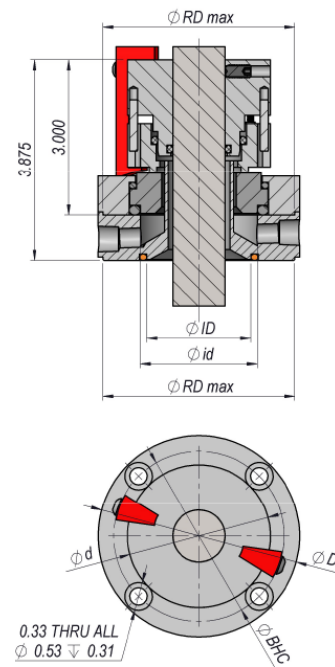
Shaft diameter: 0.5" to 1.5"
Temperature: -45°C (-50°F) to 200°C (390°F) (depending on material)
Pressure: 13.8 bar
Speed: 1200 RPM
Contact Roplan for more specific performance information.

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Dimensions

Shaft Size	D	RD	BHC	Without debris well		With debris well	
				id	d	ID	d
0.5"	3.375	3.188	2.781	1.500	2.000	1.500	2.250
0.625"	3.500	3.313	2.906	1.625	2.125	1.625	2.375
0.75"	3.625	3.438	3.031	1.750	2.250	1.750	2.500
0.875"	3.750	3.563	3.156	1.875	2.375	1.875	2.625
1"	3.875	3.688	3.281	2.000	2.500	2.000	2.750
1.125"	4.000	3.813	3.406	2.125	2.625	2.125	2.875
1.25"	4.125	3.938	3.531	2.250	2.750	2.250	3.000
1.375"	4.25	4.063	3.656	2.375	2.875	2.375	3.125
1.5"	4.375	4.188	3.781	2.5	3.000	2.5	3.250



How to Order

Type	Size	Seal Ring	Mating Ring	Metal*	Elastomer	Surface Finish**	Configurator	Option
SDRG	x	x	x	x	x	x	x	x
	050 (0.5")	C3 (Carbon)	S6 (SiC)	A4 (316L)	E7 (EPDM Pharma)	0 (32 μ-inch Ra)	--	--
	062 (0.625")	C9 (Carbon)	T4 (WC-Ni)	G2 (C276)	F7 (FKM Pharma)	1 (20 μ-inch Ra)	DW (Debris Well)	SO (Seal Only)
	:	J6 (PTFE - Carbon)		A9 (AL6XN)	L7 (Silicone Pharma)	4 (15 μ-inch Ra + EP)		
	137 (1.375")			W0 (C22)	P2 (FEP/Silicone)***	A (20 μ-inch Ra + Pass)		
	150 (1.5")				P3 (FEP/FKM)***	D (15 μ-inch Ra + EP + Pass)		
					Q0 (FFKM Pharma)			
					Z2 (Kalrez® 6230)***			
					Z5 (FFKM)***			
					Z6 (Kalrez® Spectrum 6375)***			
					Z7 (FFKM USP <88> Class VI)***			

*Product contact parts

**Product contact surfaces

***Not traceable

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