

Roplan SDRJ

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



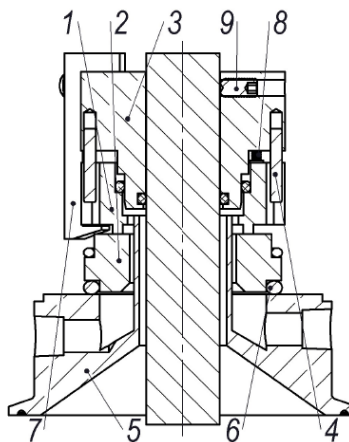
Benefits

- 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. Available with hygienic clamp connections upon request.
- 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. Pin – 316
5. Debris Well – See code
6. O-Ring – See code
7. Setup Clip – Aluminum
8. Coil Spring – 301/302
9. Set Screw – 304



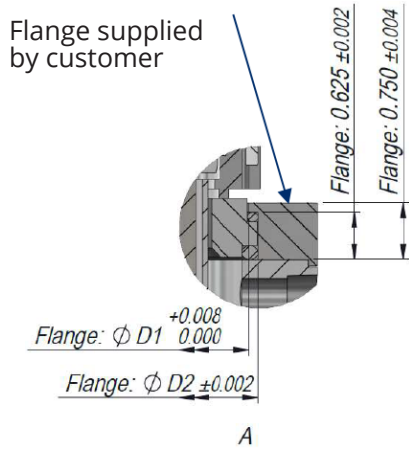
Performance

Shaft diameter: 0.75" to 1"
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.

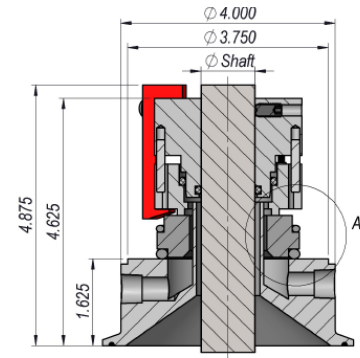
Roplan
5020 World Dairy Drive, Madison,
WI 53718, USA

Tel. +1-608-229-5225
www.roplan.com

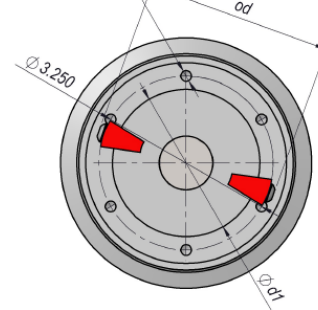
Dimensions



Shaft Size	D1	D2	d1	od
0.75"	2.187	2.425	2.500	3.211
1"	2.437	2.675	2.750	3.464



6 x $\phi 0.201 \nabla 0.552$
1/4-20 UNC $\nabla 0.500$



How to Order

Type	Size	Seal Ring	Mating Ring	Metal*	Elastomer	Surface Finish**	Configurator	Option
SDRJ	x	x	x	x	x	x	x	x
	075 (0.75")	C9 (Carbon)	S6 (SiC)	A4 (316L)	E7 (EPDM Pharma)	0 (32 μ -inch Ra)	D2 (2")	--
	100 (1")	J6 (PTFE - Carbon)	T4 (WC-Ni)	Other options available upon request	F7 (FKM Pharma)	1 (20 μ -inch Ra)	D3 (D3")	CC
					L7 (Silicone Pharma)	4 (15 μ -inch Ra + EP)	D4 (4")	
					Q0 (FFKM Pharma)	A (20 μ -inch Ra + Pass)	DA (2", w/ HCF portst)	
					Z5 (FFKM)***	D (15 μ -inch Ra + EP + Pass)	DB (3", w/ HCF portst)	
				Z7 (FFKM USP <88> Class VI)***			DC (4", w/ HCF portst)	
							S2 (2"††)	
							S3 (3"††)	
							S4 (4"††)	
*Product contact parts								
**Product contact surfaces								
***Not traceable								
†With hygienic clamp ferrule connections (1/2"x1 3/4"). Other connection types or lengths may be specified on order using option CC.								
††Seal flange option without ports.								

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