

Roplan DWR

Roplan
MECHANICAL SEALS

Features

- For wet running top entry agitator applications
- Designed for both direct and pedestal mount
- Product contact parts fully traceable
- Meets requirements of ASME BPE standard
- Hygienic design for use in aseptic processes
- Balanced seal face design
- Suitable for vacuum conditions
- Pharma grade elastomers and seal faces
- Polished and EP surface finish available upon request
- Setup clips included for ease of installation



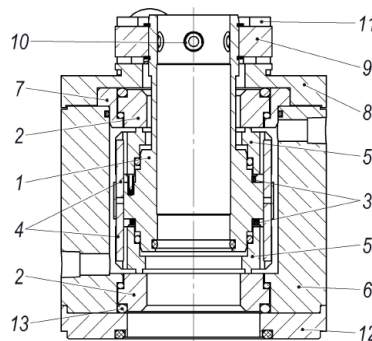
Benefits

- No dynamic O-ring in contact with shaft or shaft sleeve prevents fretting and wear.
- Seal has higher tolerance for shaft deflection and misalignment (up to 0.150" TIR).
- Exposed O-ring grooves improves cleanability.

Dual Mechanical Seal

Items, Description, Material

1. Rotary Holder – See code
2. Mating Ring – See code
3. Coil Spring – Alloy C-276
4. Pin – 316
5. Seal Ring – See code
6. Housing – 316L
7. Static Holder – 316L
8. Cover – 316L
9. Clamping Ring – 316L
10. Set Screw – 18/8
11. Setup Clip – Aluminum
12. Gland Ring – See code
13. O-rings – See code



Performance

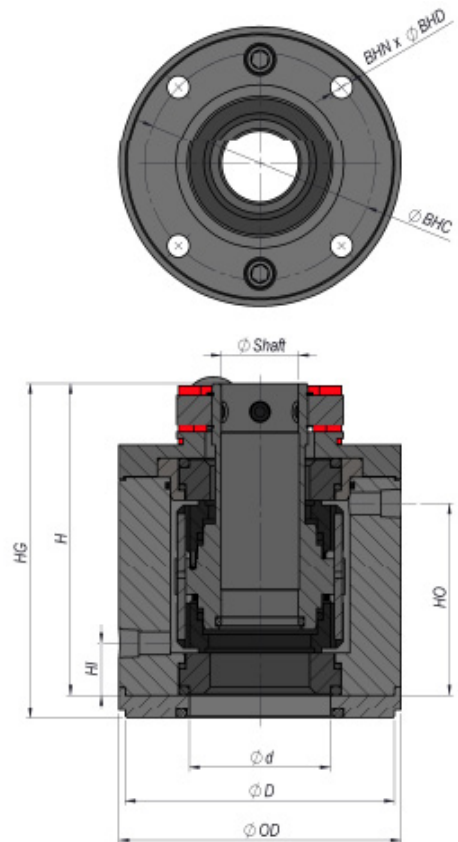
Shaft diameter: 0.625" to 7"
Temperature: -45°C (-50°F) to 200°C (390°F) (depending on material)
Pressure: 25 bar
Speed: 3600 RPM
Contact Roplan for more specific performance information.

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Dimensions

Shaft Size	d	D	OD	H	HG	BHD	BHC	BHN	HI	HO
0.625	1.875	4.375	4.625	6.124	6.655	0.4375	3.625	4	1	3.75
0.75	2	4.5	4.75				3.75			
0.875	2.125	4.625	4.875				3.875			
1	2.25	4.75	5				4			
1.125	2.375	4.875	5.125				4.125			
1.25	2.5	5	5.25				4.25			
1.375	2.625	5.125	5.375				4.375			
1.5	2.75	5.25	5.5				4.5			
1.625	2.875	5.375	5.625				4.625			
1.75	3	5.5	5.75				4.75			
1.875	3.125	5.625	5.875				4.875			
2	3.25	6	6.25				5.25			
2.25	3.5	6.25	6.5				5.5			
2.5	3.75	6.5	6.75				5.75			
2.75	4	6.75	7	6						
3	4.25	7.25	7.5	6.5						
3.25	4.5	7.5	7.75	6.75						
3.5	4.75	7.75	8	7						
3.75	5	8	8.25	7.25						
4	5.25	8.25	8.5	7.5						
4.25	5.5	8.5	8.75	7.75						
4.5	5.75	8.75	9	8						
4.75	6	9	9.25	8.25						
5	6.25	9.25	9.5	8.5						
5.25	6.5	9.5	9.75	8.75						
5.5	6.75	9.75	10	9						
5.75	7	10	10.25	9.25						
6	7.25	10.25	10.5	9.5						
6.25	7.5	10.5	10.75	9.75						
6.5	7.75	10.75	11	10						
6.75	8	11	11.25	10.25						
7	8.25	11.25	11.5	10.5						
				6.623	7.218	0.5625			1.25	4



How to Order

Type	Size	Seal Ring	Mating Ring	Metal*	Elastomer	Surface Finish**	Configuration
DWRA	x	x	x	x	x	x	x
DWRB	062 (0.625")	C8 (Carbon)	S6 (SiC)	A4 (316L)	E7 (EPDM Pharma)	0 (32 µ-inch Ra)	--
	075 (0.750")	S6 (SiC)	T4 (WC-Ni)	G2 (C276)	F0 (FKM)***	1 (20 µ-inch Ra)	GL (Gland Ring)
	:			A9 (AL6XN)	F7 (FKM Pharma)	4 (15 µ-inch Ra + EP)	
	187 (1.875")			Other options available upon request	L7 (Silicone Pharma)	A (20 µ-inch Ra + Pass)	
	200 (2")				Q0 (FFKM Pharma)	D (15 µ-inch Ra + EP + Pass)	
	225 (2.250")				Z5 (FFKM)***		
	:				Z7 (FFKM USP <88> Class VI)***		
	675 (6.75")						
	700 (7")						
*Product contact parts							
**Product contact surfaces							
***Not traceable							