Agitator Seals - Liquid Lubricated

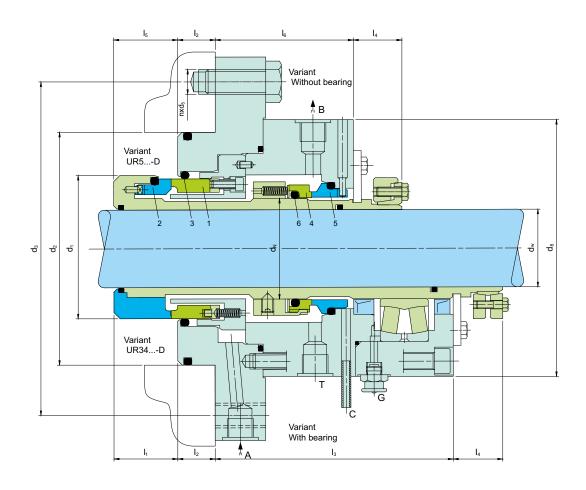


Product Description

- 1. Dual seal configuration
- 2. Unbalanced design
- 3. Independent of direction of rotation
- 4. Cartridge construction
- 5. Designed for top, side and bottom entry vessels
- 6. Design of the product side seat is rotary

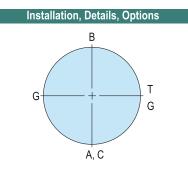
Technical Features

- 1. Design with CIP-/SIP (Cleaning in Place, Sterilization in Place)
- 2. Smooth construction of surfaces with no empty crevices
- 3. Sterile application design available
- 4. Rugged design to ensure long term reliability and operating life
- 5. Seals are assembled in cartridge construction for easy fitment
- Over all connecting dimensions are tailor made to customer's specifications



Note: The item numbers as depicted above are based on our technical experience and knowledge and are placed in the chronological order of their assembly procedure.

Item	Description
1	Seal face, product side
2	Seat, product side
3	O-ring, dynamic
4	Seal face, atmosphere side
5	Seat, atmosphere side
6	O-ring, dynamic



Supply Connections						
Α	Barrier fluid IN					
В	Barrier fluid OUT					
С	Drainage					
G	Grease					
Т	Temperature measuring					



Typical Industrial Applications								
Chemical Dryers Food & beverage	Mixers Pharmaceutical Pressure filters							
Kneaders Mills	Reactors							

Materials						
Product side	Seal face, seat: Silicon carbide (Q1), Tungsten carbide(U) Metal parts: Cr steel (E), CrNiMo steel (G),Hastelloy®(M)					
Atmosphere side	Seal face, seat: Silicon carbide (Q1), Carbon graphite resin impregnated (B)					
Metal parts	Cr steel (E), CrNiMo steel (G)					
Product and atmosphere side:						
Springs	CrNiMo steel (G), Hastelloy® (M)					
Secondary seals	EPDM (E), FKM (V), FFKM (K), FKM, FEP wrapped (M5)					

Standards					
FDA					
Notes					
Options: Cooling or heating flange Temperature probe Axial expansion joint (shaft lifting) Wiper ring (shaft lifting)					

Performance Capabilities						
Sizes	d _N /d _W Upto 200 (500) mm (Upto 7.875" (20.00")					
Axial offset shaft/housing	$\begin{array}{l} d_{\text{N}}/d_{\text{w}}3060\text{mm}(1.18"2.36");\\ max.\pm 1.5\text{mm}W(0.059")\\ d_{\text{N}}/d_{\text{w}}>60\text{mm}(2.36");\\ max.\pm 2.0\text{mm}(0.079")\\ Radial\text{offset}\text{shaft/housing};\\ max.\pm 0.3\text{mm}(0.012") \end{array}$					
Pressure	p_1 (media) = vacuum14 (23) bar (203 (334 PSI))p3 (buffer fluid) = max. 16 (25) bar(232 (363 PSI)) $\triangle p > p_1$ = min. 2 bar (29 PSI), max. 10 bar (145 PSI)					
Temperature	t, (media) = -20 °C +200 (300) °C (-4 °F+392 (572) °F)					
Speed	20 m/s (66 ft/s)					

Other materials on request.

Torque Transmissions

NOTE:

Refer "Agitator Seals Accessories" page no. 83

Dimensional Data														
Dimensi	Dimensions in millimeter													
d _N	d _w	d ₁	d ₂	d ₃	d ₈	I ₁	I ₂	I ₃	I ₄	I ₅	I ₆	I ₇	A,B	nxd ₅
30		52	117	140	118	35	30	114	30	22	75	41	G3/8	6X11
35		52 58	124	150	128	35	30	127	30	22	75 85	41	G3/8	6X11
40		62	134	165	138	35	30	127	30	24	87	41	G3/8	6X11
40		68	140	175	148	35	30	130	30	24	87	41	G3/8	6X11
50		75	140	175		35	30	133	34	24 26	90	41		8X11
55		82.7	150	175	148 148	35	30	135	34	26	90	41	G3/8 G3/8	8X11
60									34					
		85	160	185	158	41	30	150		30	105	41	G3/8	8X11
65 70		90 95	170 175	195	168 178	41	30 30	160	34	30	105 105	41	G3/8	8X11
				205		41		160	34	30		41	G3/8	8X11
75		100	180	205	178	41	30	160	34	30	105	41	G3/8	8X11
80		110	190	220	188	41	40	190	44	30	105	41	G3/8	8X14
85		115	195	230	198	41	40	190	44	30	105	41	G3/8	8X14
90		120	200	230	198	41	40	190	44	30	105	41	G3/8	8X14
95		127	205	235	203	41	40	190	44	30	105	41	G3/8	8X14
100		130	210	240	208	41	40	190	44	30	105	45	G3/8	8X14
105		135	215	250	218	41	40	190	44	30	105	45	G1/2	8X14
110		140	230	260	228	41	40	190	44	31	110	45	G1/2	8X14
115		145	235	270	238	41	40	190	44	31	110	45	G1/2	8X14
120		150	240	270	238	42	40	200	44	31	120	46	G1/2	8X14
130		160	255	290	258	42	40	200	50	31	120	46	G1/2	8X14
140		172	265	305	268	43	50	220	50	41	130	46	G1/2	8X18
150		185	275	315	278	43	50	220	50	41	130	46	G1/2	8X18
160		195	290	335	298	43	50	220	50	41	130	46	G1/2	8X18
170		205	300	335	298	47	50	220	50	45	130	46	G1/2	8X18
180		220	330	355	323	47	50	250	50	45	140	46	G1/2	8X18
190		230	345	375	358	47	50	250	55	45	140	46	G1/2	8X18
200		240	365	395	358	47	50	250	55	45	140	51	G1/2	8X18
210		260	385	415	378	50	50	250	55	45	140	51	G1/2	12X18
220		270	395	425	388	50	50	250	55	45	140	51	G1/2	12X18
230	200	280	395	425	388	50	50	300	55	45	160	51	G1/2	12X18

 $d_N > 230$ on request

inch size available from size 1.125 to 9.000

Note: Additional technical & dimensional information will be provided on request.