ROTARY BELLOWS MECHANICAL SEAL

ERGOSEAL™

RB1C

Operating Limits

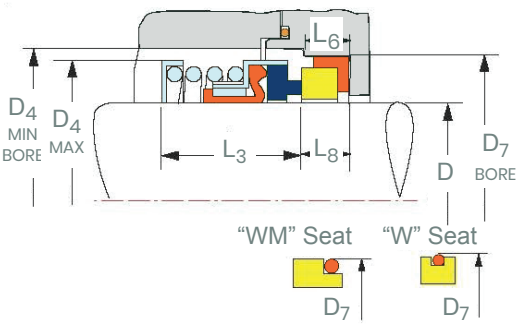
Pressure: 150 psi [1 MPa] max
Speed: 2500 ft/min [13 m/s] max
Temperature: -22 to 392 °F [-30 to 200 °C]

- **Face/Primary Ring** (Carbon/SiC/TC)
- **Seat/Mating Ring** (Alumina/SiC/TC)
- **Secondary Seals** (NBR/EPDM/FKM)
- **Spring & Hardware** (SS/SS304/SS316)

Design Features:

- Rubber bellows accommodates equipment play and misalignment.
- Single-spring design reduces buildup and clogging risk.
- Relatively compact rubber bellows design overall suits a wide range of general purpose applications.

Type RB1C with "N" seat



Replaces John Crane Type 21 with "N" seat

SEAL SIZE (INCHES)	D	D_3	D_4	D_7	L_3	L_6	L_8
0.500	0.500	0.937	1.063	1.094	0.813	0.280	0.343
0.625	0.625	1.063	1.313	1.219	0.875	0.343	0.406
0.750	0.750	1.187	1.437	1.344	0.875	0.343	0.406
0.875	0.875	1.313	1.563	1.469	0.937	0.343	0.406
1.000	1.000	1.687	1.937	1.594	1.000	0.343	0.406
1.125	1.125	1.812	2.062	1.876	1.062	0.406	0.469
1.250	1.250	1.937	2.187	2.000	1.062	0.406	0.469
1.375	1.375	2.062	2.312	2.126	1.125	0.406	0.469
1.500	1.500	2.187	2.437	2.250	1.125	0.406	0.469
1.625	1.625	2.500	2.750	2.376	1.375	0.406	0.469
1.750	1.750	2.625	2.875	2.502	1.375	0.406	0.469
1.875	1.875	2.750	3.000	2.626	1.500	0.406	0.469
2.000	2.000	2.875	3.187	2.750	1.500	0.469	0.531
2.125	2.125	3.000	3.312	2.876	1.687	0.469	0.531
2.250	2.250	3.125	3.437	3.000	1.687	0.469	0.531
2.375	2.375	3.250	3.562	3.126	1.812	0.469	0.531
2.500	2.500	3.343	3.687	3.250	1.812	0.469	0.531
2.625	2.625	3.500	4.000	3.626	1.937	0.563	0.626
2.750	2.750	3.750	4.125	3.750	1.937	0.563	0.626
2.875	2.875	3.875	4.375	3.876	2.062	0.563	0.626
3.000	3.000	4.000	4.500	4.000	2.062	0.563	0.626
3.125	3.125	4.125	4.750	4.376	2.187	0.720	0.783
3.250	3.250	4.250	4.875	4.500	2.187	0.720	0.783
3.375	3.375	4.500	5.250	4.626	2.187	0.720	0.783
3.500	3.500	4.625	5.375	4.750	2.187	0.720	0.783
3.625	3.625	4.750	5.500	4.876	2.312	0.720	0.783
3.750	3.750	4.875	5.625	5.000	2.312	0.720	0.783
3.875	3.875	5.000	5.750	5.126	2.437	0.720	0.783
4.000	4.000	5.125	5.875	5.250	2.437	0.720	0.783