

RB1D/RB1DL

Operating Limits

Pressure: 232 psi [1.6 MPa] max

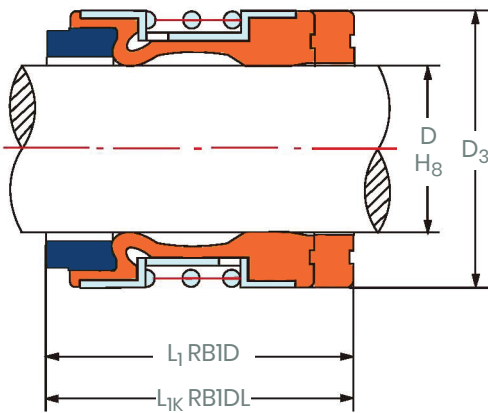
Speed: 3000 ft/min [15 m/s] max

Temperature: -22 to 392 °F [-30 to 200 °C]

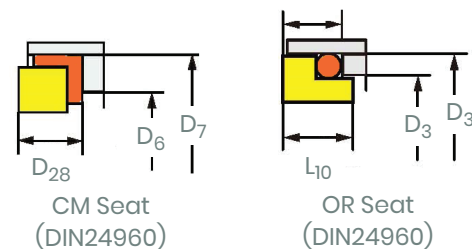
- **Face/Primary Ring** (Carbon/SiC/TC)
- **Seat/Mating Ring** (Alumina/SiC/TC)
- **Secondary Seal** (NBR/EPDM/FKM)
- **Spring & Hardware** (SS304/SS316)

Design Features:

- Compact design.
- Bellows are designed to support pressure and to decrease chances of creases or folds.
- Made to protect bellows from torsional strain.
- Unitized design.



CM Seat
(DIN24960)



CM Seat
(DIN24960)

OR Seat
(DIN24960)



RB1D



RB1DL



CM Seat



OR Seat

SEAL SIZE D (mm)	D ₃	D ₆	D ₇	RB1D	RB1DL	CM SEAT	OR SEAT
				L ₁	L _{1K}	L ₂₈	L ₁₀
10	20	17	21	15	27.5	5	6.0
12	22	19	23	15	26.5	6	6.8
14	24	21	25	15	29.0	6	6.8
15	25	22	26	15	29.0	6	6.8
16	26	23	27	15	29.0	6	6.8
18	32	27	33	20	31.5	6	7.0
20	34	29	35	20	31.5	6	7.0
22	36	31	37	20	31.5	6	7.0
24	38	33	39	20	34.0	6	7.0
25	39	34	40	20	34.0	6	7.0
28	42	37	43	26	36.5	6	7.0
30	44	39	45	26	35.5	7	8.0
32	46	42	48	26	35.5	7	8.0
33	47	42	48	26	35.5	7	8.0
35	49	44	50	26	34.5	8	9.0
38	54	49	56	30	37.0	8	9.0
40	56	51	58	30	37.0	8	9.0
43	59	54	61	30	37.0	8	9.0
45	61	56	63	30	37.0	8	9.0
48	64	59	66	30	35.0	10	11.0
50	66	62	70	30	37.5	10	11.0
53	69	65	73	30	37.5	10	11.0
55	71	67	75	30	37.5	10	11.0
60	80	72	80	33	40.5	12	12.7
65	85	77	85	33	40.5	12	12.7
70	90	83	92	33	48.0	12	12.7
75	99	88	97	40	48.0	12	12.7

RB1D replaces John Crane Type 2100 with L1 standard working height.

RB1DL L1k is longer working height compliant with DIN.

RB1D standard seat is CM seat, but OR seat and BO seat are available upon request.