

TSDC-B01(TS K2)

Operating Limits

Pressure: P1=1MPa P3=1.3MPa
 Pressure margin: $\Delta P=P3-P1=0.15\sim 0.2\text{MPa}$
 Speed: $\leq 16\text{m/s}$
 Temperature: $-30^{\circ}\text{C}\sim +200^{\circ}\text{C}$

- Rotary Ring(SiC/TC)
- Stationary Ring(Carbon/SiC/TC)
- Secondary Seal(VITON/PTFE/Encapsulated Ring)
- Spring & Other Parts(SUS304/SUS316)

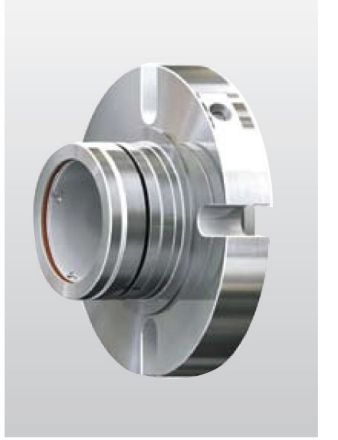
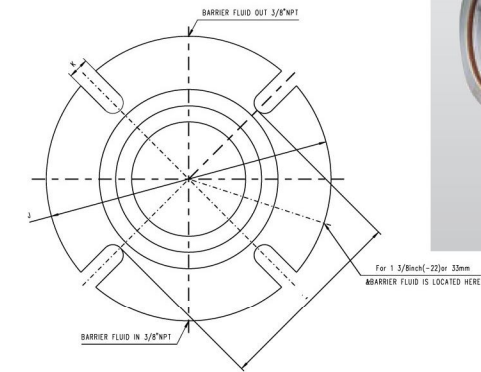
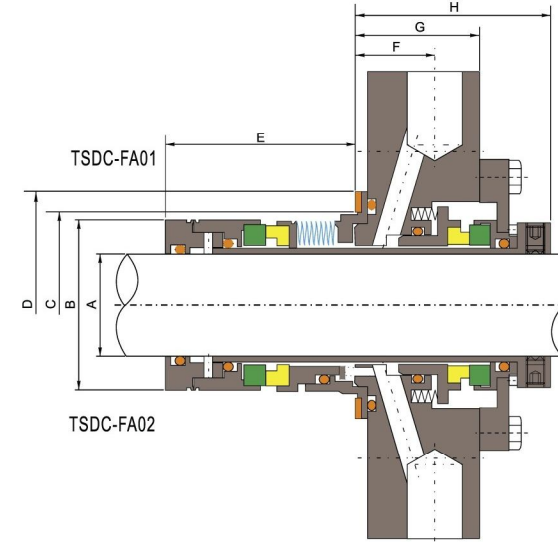
Features of structure:

1. Double cartridge mechanical seal, convenience installation
2. Independent of the direction of rotation
3. Actionless springs, ready to high speed. And springs protected from product.
4. Multi - spring balance, comply with AP1610 standard.

Seal size d(mm)	d ₂	d ₃		d ₄	d ₅	l ₁	l ₃	l ₄	S	G (inches)
		min	max							
25	43.0	44.0	51.0	105	62	86.5	24	25.4	14	1/4"
28	46.0	47.0	52.0	105	62	86.5	24	25.4	14	1/4"
30	48.0	49.0	56.0	105	65	86.5	24	25.4	14	1/4"
33	50.0	51.0	57.0	110	67	86.5	24	25.4	14	1/4"
35	53.0	54.0	61.0	113	70	86.5	24	25.4	14	1/4"
38	56.0	57.0	66.0	123	75	86.5	24	25.4	14	3/8"
40	58.0	59.0	68.0	123	78	86.5	24	25.4	16	3/8"
43	60.0	61.5	70.5	133	80	86.5	24	25.4	16	3/8"
45	62.5	64.0	73.0	138	81	86.5	24	25.4	16	3/8"
48	65.5	67.0	75.0	138	84	86.5	24	25.4	16	3/8"
50	68.0	69.0	78.0	148	87	86.5	24	25.4	16	3/8"
55	73.0	74.0	83.0	148	90	86.5	24	25.4	18	3/8"
60	78.0	79.0	91.0	157	102	86.5	24	25.4	18	3/8"
65	83.0	84.5	98.5	163	109	86.5	24	25.4	18	3/8"
70	93.0	95.0	108.0	178	118	86.5	24	25.4	18	3/8"
75	100.0	101.6	118.0	190	129	108.0	30	28.0	18	3/8"
80	106.4	108.0	124.0	195	135	108.0	30	28.0	18	3/8"
85	109.5	111.1	128.0	198	139	108.0	30	28.0	22	3/8"
90	115.9	117.5	135.0	205	145	108.0	30	28.0	22	3/8"
95	119.1	120.7	138.0	208	148	108.0	30	28.0	22	3/8"
100	125.4	127.0	144.0	218	154	108.0	30	28.0	22	3/8"

For detailed information, please contact us, We can also produce the special Single cartridge seal according to customer's requirement.

TSDC-FA01/FA02



Operating Limits

Pressure: $\leq 2.1\text{MPa}$
 Speed: $\leq 25\text{m/s}$
 Temperature: $-30^{\circ}\text{C}\sim 200^{\circ}\text{C}$

- Rotary ring(SiC/TC)
- Stationary ring(SiC/TC/Carbon)
- Secondary seal(viton/EPDM/Kalrez)
- Other parts(C-276/Duplex/ SUS316)

A (mm)	B	C	D	E	F	G	H	J	K	L
24	43.2	44.5	56.6	49.7	19	32.5	50.8	101.6	11.1	60.3
25	43.2	44.5	56.6	49.7	19	32.5	50.8	101.6	11.1	60.3
28	43.2	44.5	56.6	49.7	19	32.5	50.8	108	11.1	62.7
30	49.5	50.8	59.8	49.7	19	32.5	50.8	108	11.1	65.6
32	49.5	50.8	59.8	49.7	19	32.5	50.8	108	11.1	65.6
33	49.5	50.8	63	49.7	19	32.5	50.8	108	11.1	68.9
35	49.5	50.8	63	49.7	19	32.5	50.8	108	11.1	68.9
38	55.9	57.2	66.2	49.7	19	32.5	50.8	114.3	14.3	74.9
40	59.1	60.3	72.5	49.7	19	32.5	50.8	127	14.3	78.1
43	62.2	63.5	75.9	49.7	20.6	32.5	50.8	139.7	14.3	81
45	62.2	63.5	75.9	49.7	20.6	32.5	50.8	139.7	14.3	81
48	65.4	66.7	78.9	49.7	19	32.5	50.8	139.7	14.3	84.2
50	68.6	69.9	82	49.7	19	32.5	50.8	139.7	14.3	90.7
53	71.8	73	88.6	49.7	19	32.5	50.8	152.4	17.5	93.7
55	74.9	76.2	91.6	49.7	19	32.5	50.8	158.8	17.5	96.9
58	81.2	82.6	94.7	52.8	19	33.4	58.5	158.8	17.5	100
60	81.2	82.6	94.7	52.8	19	33.4	58.5	158.8	17.5	100
63	84.3	85.7	97.9	51	19	33.4	51.7	165.1	17.5	100
65	90.4	92.1	103.4	52.1	19	33.4	51.7	165.1	17.5	106.4
68	92.7	95.2	109.7	52.1	19	33.4	51.7	190.5	17.5	112.7
70	92.7	95.2	109.7	52.1	19	33.4	51.7	190.5	17.5	112.7
72	96.1	98.4	113	56	19	40.1	58.5	190.5	17.5	117.5
75	99.1	101.6	119.4	55.9	19	40.1	58.4	203.2	17.5	128.6
80	106	108	125.7	58.8	19	38.8	57.2	209.6	17.5	131.7
85	109.2	111.1	128.9	57.2	19	40.1	58.5	215.9	20.6	134.9
90	115.7	117.5	135.3	57.2	19	40.1	58.5	215.9	20.6	141.3
95	118.9	120.6	138.4	56	19	40.1	58.5	222.2	20.6	164.3

A (inches)	B	C	D	E	F	G	H	J	K	L
1.000	1.700	1.750	2.230	1.958	0.750	1.280	2.000	4.000	0.437	2.375
1.250	1.700	1.750	2.230	1.958	0.750	1.280	2.000	4.250	0.437	2.463
1.250	1.950	2.000	2.355	1.958	0.750	1.280	2.000	4.250	0.437	2.583
1.375	1.950	2.000	2.480	1.958	0.750	1.280	2.000	4.250	0.437	2.713
1.500	2.200	2.250	2.605	1.958	0.750	1.280	2.000	4.500	0.562	2.950
1.625	2.325	2.375	2.855	1.958	0.750	1.280	2.000	5.000	0.562	3.075
1.750	2.450	2.500	2.990	1.958	0.812	1.280	2.000	5.500	0.562	3.188
1.875	2.575	2.625	3.105	1.958	0.750	1.280	2.000	5.500	0.562	3.313
2.000	2.700	2.750	3.230	1.958	0.750	1.280	2.000	5.500	0.562	3.570
2.125	2.825	2.875	3.490	1.958	0.750	1.280	2.000	6.000	0.687	3.688
2.250	2.950	3.000	3.605	1.958	0.750	1.280	2.000	6.250	0.687	3.813
2.375	3.195	3.250	3.730	2.080	0.750	1.312	2.303	6.250	0.687	3.938
2.500	3.320	3.375	3.855	2.080	0.750	1.312	2.035	6.500	0.687	3.938
2.625	3.560	3.625	4.070	2.053	0.750	1.312	2.035	6.500	0.687	4.188
2.750	3.650	3.750	4.320	2.053	0.750	1.312	2.035	7.500	0.687	4.438
2.875	3.785	3.875	4.450	2.203	0.750	1.580	2.303	7.500	0.687	4.625
3.000	3.900	4.000	4.700	2.200	0.750	1.577	2.300	8.000	0.687	5.062
3.125	4.050	4.125	4.825	2.250	0.750	1.580	2.303	8.000	0.687	5.062
3.250	4.175	4.250	4.950	2.267	0.750	1.527	2.250	8.250	0.687	5.188
3.375	4.300	4.375	5.075	2.250	0.750	1.580	2.303	8.500	0.812	5.312
3.500	4.430	4.500	5.200	2.203	0.750	1.580	2.303	8.500	0.812	5.438
3.625	4.555	4.625	5.325	2.250	0.750	1.580	2.303	8.500	0.812	5.562
3.750	4.680	4.750	5.450	2.203	0.750	1.580	2.303	8.750	0.812	5.687
3.875	4.805	5.125	5.575	2.250	0.750	1.580	2.303	8.750	0.812	5.812
4.500	5.680	5.750	6.450	2.350	0.750	1.580	2.303	9.500	0.812	6.500