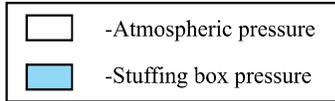
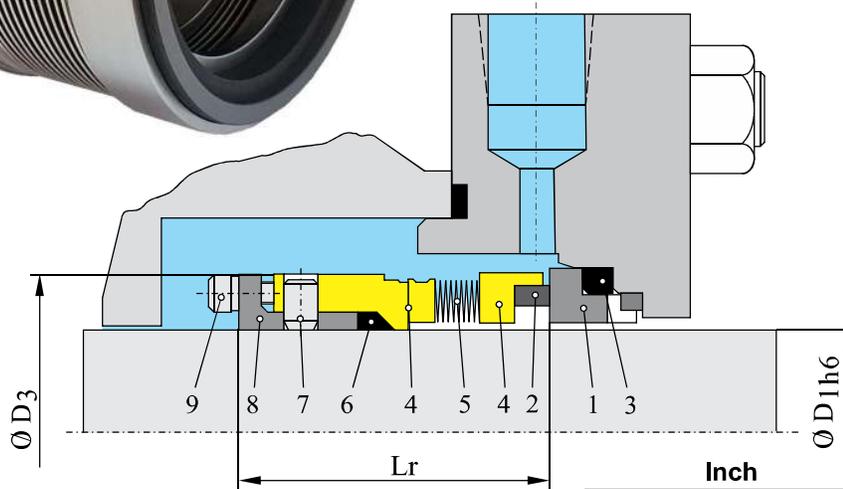


Single, Inner, Metal bellows mechanical seal, Independent of the shaft rotating direction



Welded metal bellows



LIMITING FACTORS

D1= 16... 80 mm
 p1= 69 bar
 t=-75 to 425°C
 Vg= 17 m/s
 pV= 170 bar m/s

Item	Description
1.	Stationary seat
2.	Rotary seal ring
3.	Secondary seal
4.	Housing
5.	Metal bellows
6.	Secondary seal
7.	Fixing screw
8.	Tightening ring
9.	Tightening screw

PRODUCT DESCRIPTION

High-performance VD10 metal bellows type. The VD10 metal bellows mechanical seal is designed to operate under extremely demanding conditions. It is widely used in the refinery, petrochemical, chemical, paper-making, and pharmaceutical industries, where temperature is a critical factor.

WORKING CONDITIONS

It is suitable for low and high-temperatures.
 Temperature range from -75°C to 425°C.
 Standard metal bellows VD10 type
 Standard metal bellows VD10 type is performed in Single Ply welded metal bellows pressure range from vacuum to 20 bar.
 Improved metal bellows VD10 type
 Improved metal bellows VD10 type is performed in Double ply welded metal bellows pressure range from 20 bar up to 69 bar.

MATERIALS

Seal face: SiC, TC, Carbon Antimony impregnated
 Stationary seat: SiC, TC
 Secondary seal: Flexible Carbon
 Metal Parts: AM 350, SS 316L, Inconel 718, Hastelloy C, Carpenter 42
 Optional materials on request

APPLICATION



Petrochemical



Chemical



Pharmaceutical



Pulp and paper

Metric

D1	Lr	D3
16	34,3	26,4
18	34,3	29,7
20	36,5	33
22	36,5	36,3
24	36,5	39,6
25	38,8	41,25
26	39,7	42,9
28	39,7	46,2
30	39,7	49,5
32	40,5	52,8
33	40,5	54,5
35	40,5	57,8
38	40,5	58,7
40	40,5	60,3
42	47,6	63,5
43	51,6	65
45	51,6	65
48	51,6	71,6
50	51,6	76,6
53	51,6	77,6
55	51,6	77,6
58	51,6	83,5
60	51,6	87,1
63	51,6	88
65	51,6	93,8
68	51,6	104,1
70	51,6	104,1
75	51,6	109,3
80	51,6	114,1

Seal Dash Number	D1	Lr	D3
16	1,000	1,531	1,625
18	1,125	1,562	1,750
20	1,250	1,593	1,875
22	1,375	1,593	2,000
24	1,500	1,593	2,125
26	1,625	1,593	2,250
28	1,750	1,625	2,375
30	1,875	1,625	2,500
32	2,000	1,656	2,625
34	2,125	1,656	2,750
36	2,250	1,719	2,875
38	2,375	1,719	3,000
40	2,500	1,750	3,250
42	2,625	1,781	3,375
44	2,750	1,781	3,500
46	2,875	1,875	3,687
48	3,000	1,875	3,812
50	3,125	1,875	4,000
52	3,250	1,875	4,125
54	3,375	1,875	4,250
56	3,500	1,875	4,375
58	3,625	1,875	4,500
60	3,750	1,875	4,625
62	3,875	1,875	4,750
64	4,000	1,875	4,875