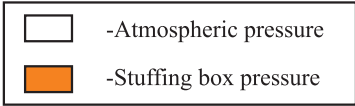
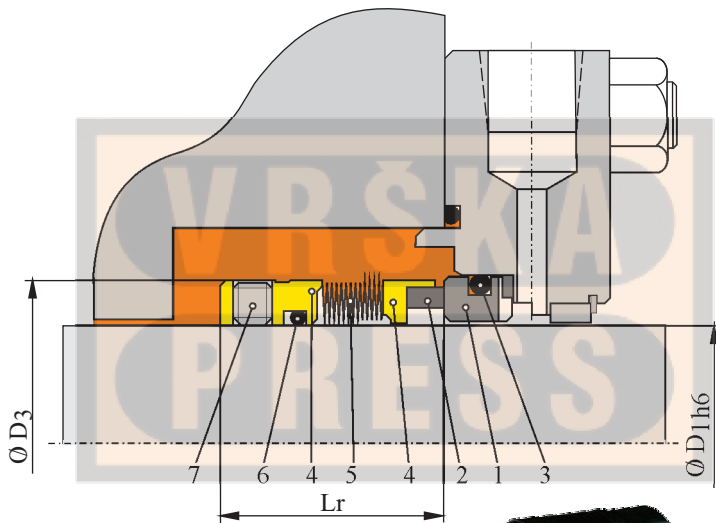


VD11

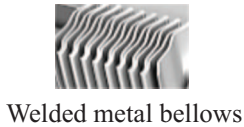
Single, Inner, Metal bellows mechanical seal
Independent of the shaft rotating direction



- LIST OF ELEMENTS**
1. Stationary seat
 2. Rotary seal ring
 3. Stationary seat
Secondary seal
 4. Housing
 5. Metal bellows
 6. Secondary seal
 7. Fixing screw

LIMITING FACTORS

$p_1 =$ from vacuum to 69 bar
 $t = -75$ to 260°C



DIMENSION TABLE (metric)

D1	Lr	D3
18	27,5	32
20	27,5	33,3
22	27,5	36
24	30	38,1
25	30	39
28	32,5	42
30	32,5	44
32	32,5	46
33	32,5	47
35	32,5	49,2
38	34	52,4
40	34	55,6
43	34	58,7
45	34	58,7
48	34	60,9
50	34,5	65,1
53	34,5	68,3
55	34,5	71
60	39,5	74,6
65	39,5	84,1
70	45	87,3
75	45	95,3
80	44,5	98,4
85	44,5	104,8
90	49,5	108
95	49,5	114,3
100	49,5	120,7
105	48,3	131,7
110	48,3	138,1
115	48,3	144,5
120	48,3	144,5
125	48,3	150,8
130	48,3	157,8
140	48,3	170,5
150	48,3	176,9

DIMENSION TABLE (inch)

Seal Dash Number	D1	Lr	D3
12	0,750	1,250	1,312
14	0,875	1,250	1,437
15	0,937	1,250	1,500
16	1,000	1,250	1,562
18	1,125	1,250	1,687
20	1,250	1,312	1,812
22	1,375	1,437	1,937
24	1,500	1,437	2,062
26	1,625	1,437	2,187
28	1,750	1,437	2,312
30	1,875	1,500	2,437
32	2,000	1,500	2,562
34	2,125	1,500	2,687
36	2,250	1,562	2,812
38	2,375	1,562	2,937
40	2,500	1,562	3,187
42	2,625	1,625	3,312
44	2,750	1,625	3,437
46	2,875	1,687	3,625
48	3,000	1,687	3,750
50	3,125	1,750	3,875
52	3,250	1,750	4,000
54	3,375	1,750	4,125
56	3,500	1,875	4,250
58	3,625	1,875	4,375
60	3,750	1,875	4,500
62	3,875	1,875	4,625
64	4,000	1,875	4,750
68	4,250	1,903	5,187
72	4,500	1,903	5,438
76	4,750	1,903	5,688
80	5,000	1,903	5,938
84	5,250	1,903	6,213
88	5,500	1,903	6,463
92	5,750	1,903	6,714
96	6,000	1,903	6,964
104	6,500	1,903	7,470
112	7,000	1,903	7,971

Working condition

High-strength VD11 metal bellows type
The VD11 type of metal bellows mechanical seal provide high strength and excellent corrosion resistance. It is widely used in refinery, petrochemical, chemical industry, paper making, pharmacy etc. We recommend this type of mechanical seal for high temperatures and aggressive mediums, such as acids, caustics, sour water, sour hydrocarbon etc.
It is suitable for low-temperatures and high-temperatures.
Temperature range from -75°C to 260°C .

Standard metal bellows VD11 type
Standard metal bellows VD11 type is performed in single ply welded metal bellows pressure range from vacuum to 20 bar.

Improved metal bellows VD11 type
Improved metal bellows VD11 type is performed in double ply welded metal bellows pressure range from 20 bar up to 69 bar.

Design and constructive characteristics

Materials of construction:
Metal bellows: AM 350, SUS 316L, Inconel 718, Hastelloy C, Titanium, Alloy 20;
Rotary seal ring: SiC, TC, Carbon;
Stationary seat: SiC, TC, Carbon;
Secondary seal: Fluorocarbon, PTFE-Encapsulated Fluorocarbon, Perfluoroelastomer, Nitrile;
Other Parts: SUS 316, SUS 304, Hastelloy C, Titanium.

