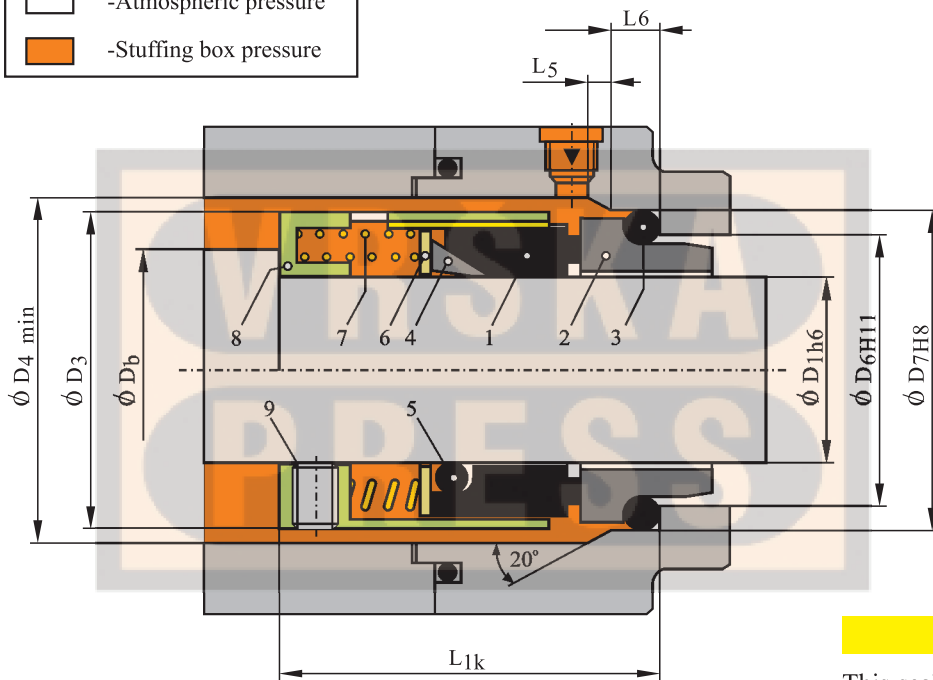
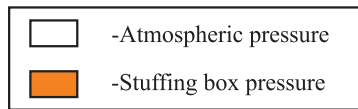


## Unbalanced mechanical seal Independent of the shaft rotating direction



### LIMITING FACTORS

$D1 = 16...80 \text{ mm}$   
 $p1 = 16 (25) \text{ bar}$   
 $t = -60... 230^\circ\text{C}$   
 $V_g = 20 \text{ m/s}$   
 $pV = 250 \text{ bar m/s}$

### LIST OF ELEMENTS

1. Rotary seal ring
2. Stationary seat
3. Secondary seal
4. PTFE conical seal ring
5. O- ring
6. Plate
7. Spring
8. Housing
9. Fixing screw

### Working conditions

This seal is designed to solve the most serious sealing problems, which cannot be solved by using other kinds of mechanical seals, that use secondary seals made of synthetic rubber. It is successfully applied with almost all chemicals and corrosive media. Temperature range - 60 to 230°C. Pressure: up to 16 (25) bar.

### Design and constructive characteristics

Secondary sealing elements can be made of PTFE or FEP materials in order to meet specific working and temperature conditions. The standard design is made of acid -resistant steel.

### DIN 24960 (EN 12756) DIMENSION TABLE

D1	L1K	D7	D3	D4	D6	L5	L6	D <sub>b</sub>
16	35,0	27	26	28	23	1,5	4	21
18	37,5	33	32	34	27	2,0	5	23
20	37,5	35	34	36	29	2,0	5	26
22	37,5	37	36	38	31	2,0	5	28
24	40,0	39	38	40	33	2,0	5	30
25	40,0	40	39	41	34	2,0	5	31
28	42,5	43	42	44	37	2,0	5	35
30	42,5	45	44	46	39	2,0	5	37
32	42,5	48	46	48	42	2,0	5	39
33	42,5	48	47	49	42	2,0	5	40
35	42,5	50	49	51	44	2,0	5	43
38	45,0	56	54	58	49	2,0	6	45
40	45,0	58	56	60	51	2,0	6	49
43	45,0	61	59	63	54	2,0	6	52
45	45,0	63	61	65	56	2,0	6	55
48	45,0	66	64	68	59	2,0	6	58
50	47,5	70	66	70	62	2,5	6	61
53	47,5	73	69	73	65	2,5	6	64
55	47,5	75	71	75	67	2,5	6	66
58	52,5	78	78	83	70	2,5	6	69
60	52,5	80	80	85	72	2,5	6	71
63	52,5	83	83	88	75	2,5	6	74
65	52,5	85	85	90	77	2,5	6	77
68	52,5	90	88	93	81	2,5	7	80
70	60,0	92	89	95	83	2,5	7	83
75	60,0	97	96	104	88	2,5	7	88
80	60,0	105	104	109	95	3,0	7	93

