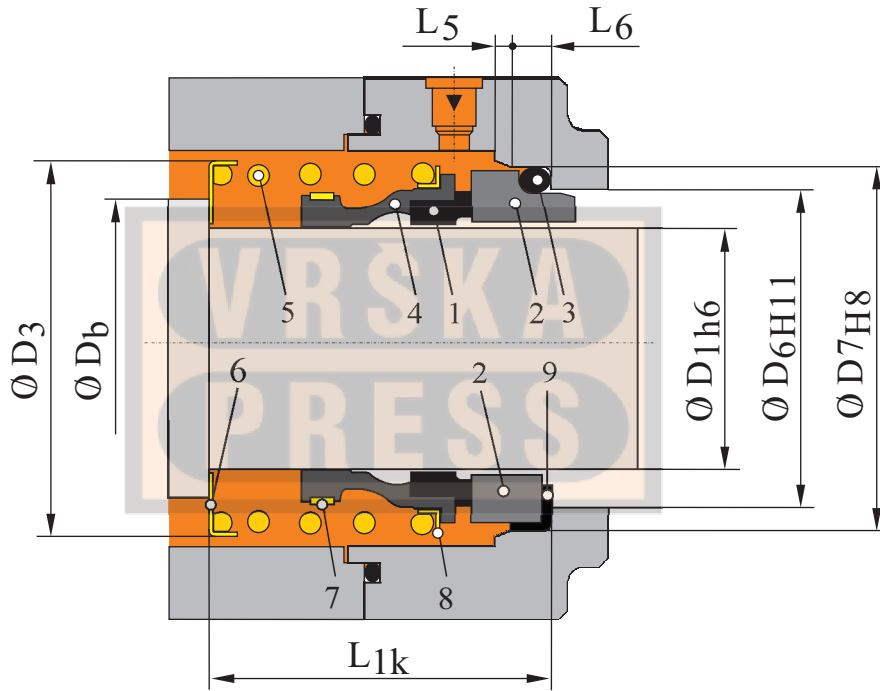
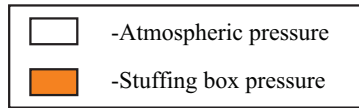


## Unbalanced mechanical seals Independent of the shaft rotating direction

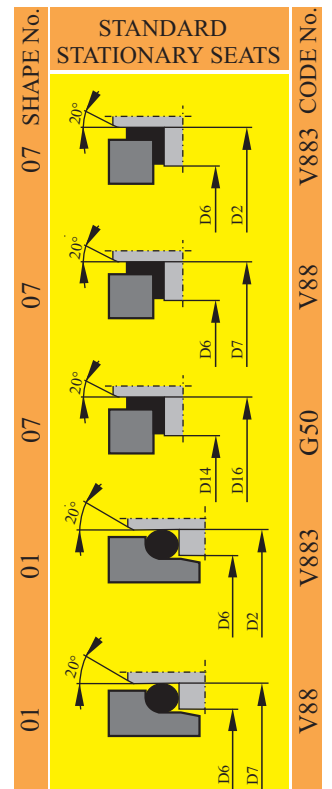


### LIST OF ELEMENTS

1. Rotary seal ring
2. Stationary seat
3. Secondary stationary seal - O - ring
4. Rubber bellows
5. Single coil spring
6. L ring (spring collar)
7. Ring
8. L ring (spring collar)
9. Stationary seat secondary seal

### LIMITING FACTORS

$D1 = 16 \dots 80 \text{ mm}$   
 $p1 = 10 \text{ bar}$   
 $t = -40 \dots 204^\circ\text{C}$   
 $Vg = 10 \text{ m/s}$   
 $pV = 90 \text{ bar m/s}$



### Working conditions

Mechanical seal type V2M is designed for light working conditions, for the pressure up to 10 bar ( $p = 10 \text{ bar}$ ) and temperatures from minus  $40^{\circ}\text{C}$  to  $204^{\circ}\text{C}$  ( $t = -40^{\circ}\text{C} \sim 204^{\circ}\text{C}$ ). Our Mechanical Seals proved themselves especially at following medium: cold and hot water up to  $130^{\circ}\text{C}$ , demineralized water, wastewater, beer, beer mash, malt, milk and dairy product, juice and natural juice, mild acid, mild alkal (base) and ammonia ( $\text{NH}_3$ ).

### Design and constructive characteristics

Extremely short rubber bellows with long compression ratio of the single coil spring compensates play and the differences in the working length. It can be built into both DIN 24960 standard (EN 12756) and shorter, also longer measurements out of DIN 24960. The rotary part is extremely flexible, and suitable for most applications, and the sole mechanical seal is mounted easily.



### DIMENSION TABLE

D1	L1k	D7	D2	D16	D14	D3*	D6	L5	L6	Db
16	24 ~ 40	27	28,0	30,95	17,0	31,0	23	1,5	4	21
18	26 ~ 45	33	30,0	34,15	20,0	33,8	27	2,0	5	23
20	26 ~ 45	35	35,0	35,70	21,5	36,4	29	2,0	5	26
22	28 ~ 45	37	35,0	37,30	23,0	38,4	31	2,0	5	28
24	29 ~ 50	39	38,0	40,50	26,5	40,7	33	2,0	5	30
25	29 ~ 50	40	38,0	40,50	26,5	40,7	34	2,0	5	31
26	29 ~ 50	-	40,0	-	-	41	-	2,0	5	32
28	31,5 ~ 50	43	42,0	47,65	29,5	45,6	37	2,0	5	35
30	31,5 ~ 50	45	45,0	50,80	32,5	46,3	39	2,0	5	37
32	32,5 ~ 55	48	48,0	50,80	32,5	49,4	42	2,0	5	39
33	32,5 ~ 55	48	-	54,00	36,5	50,4	42	2,0	5	40
35	33 ~ 55	50	52,0	54,00	36,5	52,8	44	2,0	5	43
38	35,5 ~ 55	56	55,0	57,15	39,5	57,9	49	2,0	6	45
40	37 ~ 55	58	58,0	60,35	42,5	61	51	2,0	6	49
42	37 ~ 55	-	62,0	-	-	63,5	-	2,0	6	52
43	37 ~ 60	61	-	63,50	46,0	63,5	54	2,0	6	52
45	37 ~ 60	63	64,0	63,50	46,0	65,9	56	2,0	6	55
48	38 ~ 60	66	68,4	66,70	49,0	67,7	59	2,0	6	58
50	38 ~ 60	70	69,3	69,85	52,0	70,9	62	2,5	6	61
53	39 ~ 70	73	-	73,05	55,5	74,2	65	2,5	6	64
55	39,5 ~ 70	75	75,4	76,20	58,5	77,3	67	2,5	6	66
58	41 ~ 70	78	78,4	79,40	61,5	84,1	70	2,5	6	69
60	44 ~ 70	80	80,4	79,40	61,5	86,9	72	2,5	6	71
63	44 ~ 70	83	-	-	-	88	75	2,5	6	74
65	44 ~ 80	85	85,4	92,10	68,0	91,9	77	2,5	6	77
68	44 ~ 80	90	91,5	95,25	71,0	94,9	81	2,5	7	80
70	44 ~ 80	92	92,0	95,25	71,0	98,1	83	2,5	7	83
75	44 ~ 80	97	99,0	101,6	77,5	104,6	88	2,5	7	88
80	44 ~ 90	105	104,0	114,3	84,0	111,8	95	3,0	7	93

\* Stared columns values do not meet the DIN 24960 (EN 12756) standard