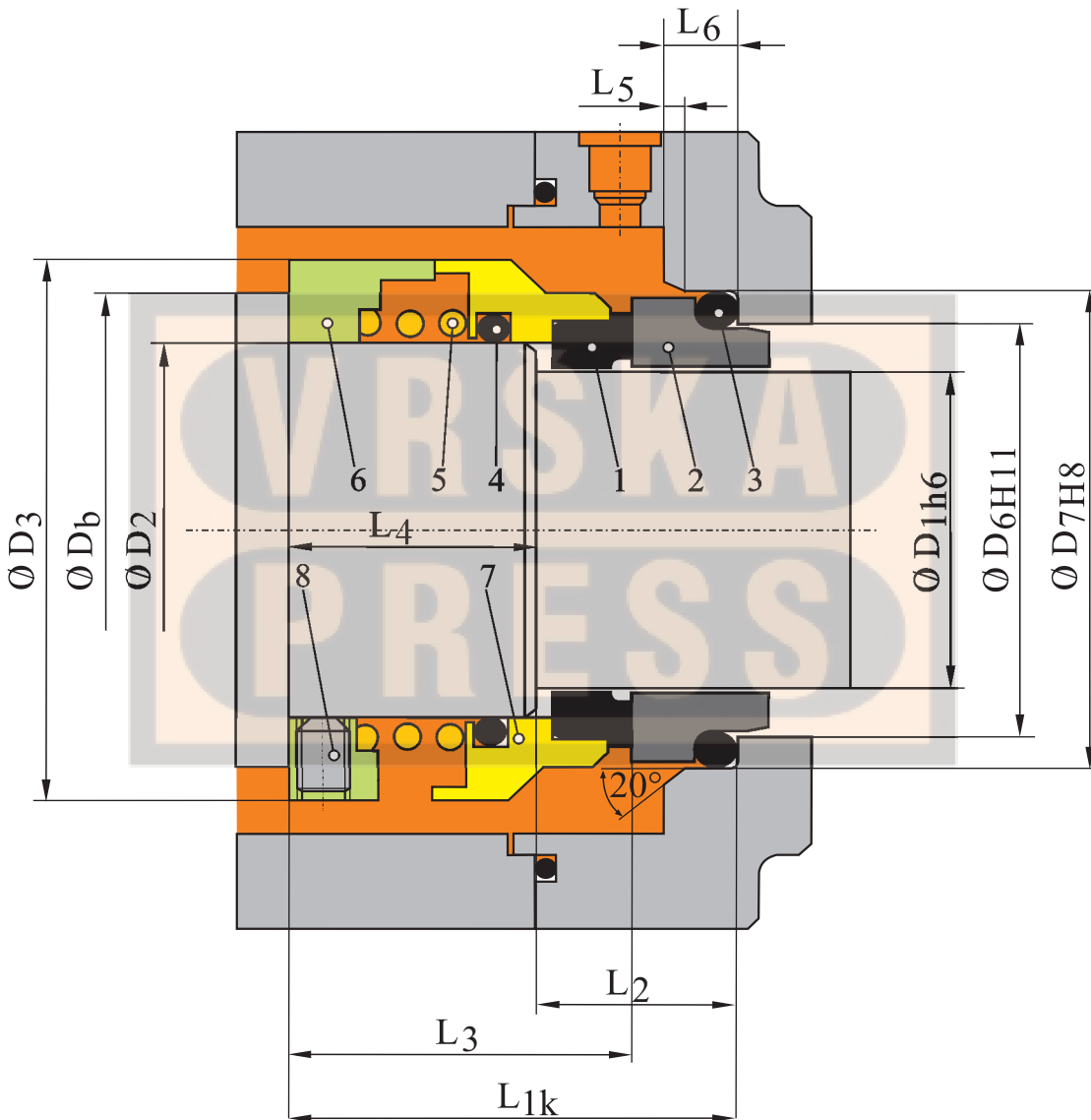


**DIN 24960
(EN 12756)**



LIMITING FACTORS
D1 = 20 ...80mm
p1 = 25(40) bar
t = -40 ...204°C
Vg = 20 m/s
pV = 250 bar m/s

LIST OF ELEMENTS
1. Rotary seal ring
2. Stationary seat
3. Secondary stationary seal - O - ring
4. Secondary rotary seal O - ring
5. Single coil spring
6. Housing
7. Rotary seal ring carrier
8. Fixing and driving screw

Working conditions

Mechanical seals types V111B are designed both for light and hard working conditions, for the pressure up to 25(40) bar ($p=25(40)$ bar) and temperatures from minus 40°C to 204°C ($t=-40^{\circ}\text{C}\sim+204^{\circ}\text{C}$). This Type of mechanical seal is especially suitable for following mediums: cold and hot water up to 130°C, demineralized water, wastewater, beer, beer mash, malt, milk and dairy product, vegetable oil and vegetable paste, alcohol, calcium carbonate, dextrose, juice and natural juice, mild acid, mild alkali (base), diesel, petrol, heavy oil, mineral oil, varnish and colors, ammonia (NH₃).

Design and constructive characteristics

Design of V111B type is very similar to the V111/V111A, but here successfully overcoming higher pressures is achieved by the sliding faces balancer. It can be built into both DIN 24960 standard (EN 12756) and shorter measurements out of DIN 24960. The open construction type flushes and lowers down the blocking attempt due to crystallization. The rotary part is extremely flexible, and suitable for most applications.

SHAPE No.	STANDARD STATIONARY SEATS	CODE No.
07		V883
07		V88
07		G50
01		V883
01		V88

DIN 24960

DIMENSION TABLE

D1	L1K	D7	D2	D3*	D6	L2	L3	L4	L5	L6	Db
20	45	35	24	39	29	20	35	25	2,0	5	26
22	45	37	26	41	31	20	35	25	2,0	5	28
24	47,5	39	28	43	33	20	37,5	27,5	2,0	5	30
25	47,5	40	30	45	34	20	37,5	27,5	2,0	5	31
28	50	43	33	48,5	37	20	42,5	30	2,0	5	35
30	50	45	35	51	39	20	43	30	2,0	5	37
32	50	48	38	56,1	42	20	40	30	2,0	5	39
33	50	48	38	56,1	42	20	40	30	2,0	5	40
35	50	50	40	56,5	44	20	43	30	2,0	5	43
38	52,5	56	43	62	49	23	42,5	29,2	2,0	6	45
40	52,5	58	45	62	51	23	42,5	29,2	2,0	6	49
43	52,5	61	48	65	54	23	43,4	29,2	2,0	6	52
45	52,5	63	50	68,6	56	23	43	29,2	2,0	6	55
48	52,5	66	53	71	59	23	43	29,3	2,0	6	58
50	57,5	70	55	74	62	25	48,5	32,5	2,5	6	61
53	57,5	73	58	78	65	25	47,5	32,5	2,5	6	64
55	57,5	75	60	81	67	25	48,5	32,5	2,5	6	66
58	62,5	78	63	84	70	25	52,5	37,5	2,5	6	69
60	62,5	80	65	86	72	25	52,5	37,5	2,5	6	71
63	62,5	83	68	89	75	25	51,5	37,5	2,5	6	74
65	62,5	85	70	92,4	77	25	51,5	37,5	2,5	6	77
70	70,0	92	75	98	83	28	59	42	2,5	7	83
75	70,0	97	80	104	88	28	59	42	2,5	7	88
80	70,0	105	85	111	95	28	59	42	3,0	7	93

* Stared columns do not meet the DIN 24960 (2756) standard

