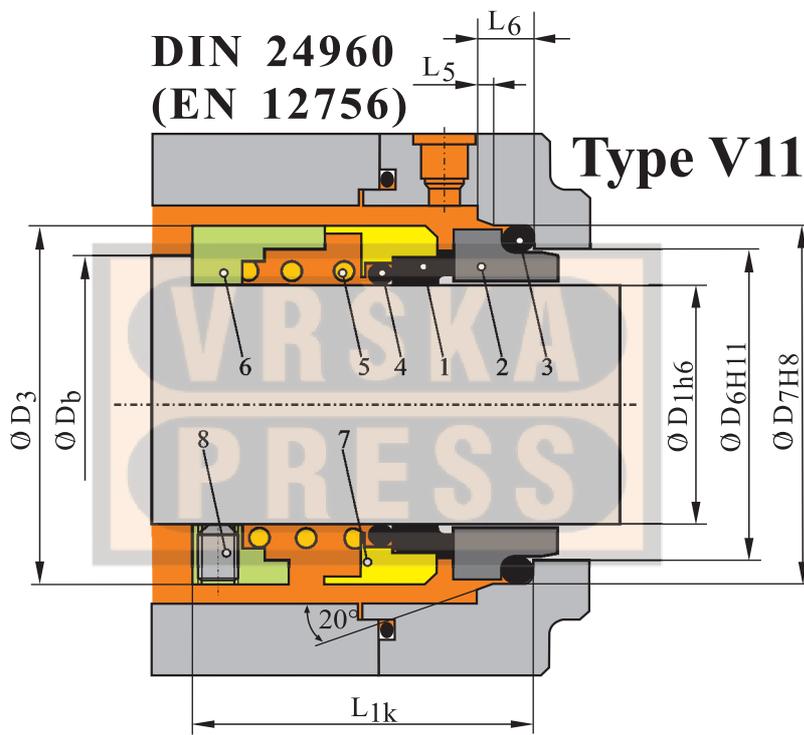


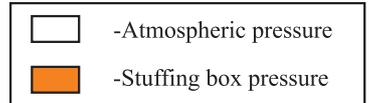
V111/V111A and V1113

Unbalanced mechanical seal
Independent of the shaft rotating direction



**DIN 24960
(EN 12756)**

Type V111 / V111A



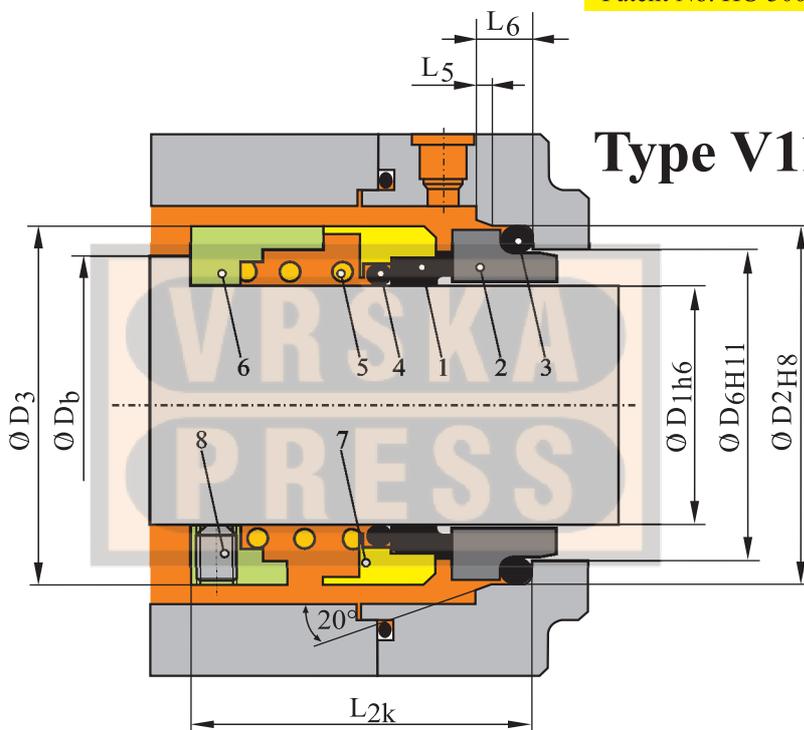
LIMITING FACTORS

D1 = 16 ... 80mm
p1 = 16 (25) 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

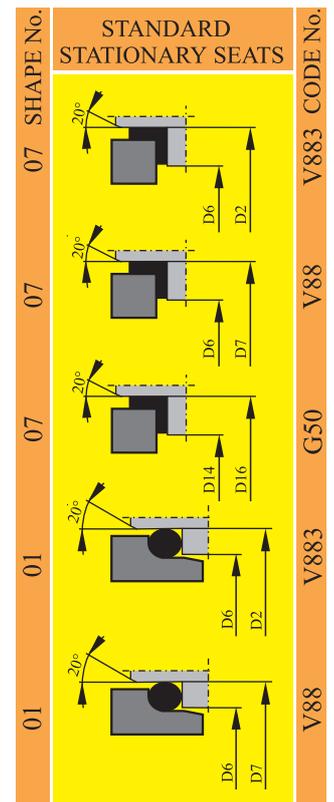
Patent No. HU 3000 U



Type V1113

Design and constructive characteristics

The long compression ratio of the single coil spring compensates play and the differences in the working length, so it can be built in to 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, and the sole mechanical seal is mounted easily.





DIMENSION TABLE

D1	L1k	L2k	D7	D2	D16	D14	D3*	D6	L5	L6	Db
16	35,0	26,5	27	28,0	30,95	17,0	28	23	1,5	4	21
18	37,5	28,5	33	30,0	34,15	20,0	32	27	2,0	5	23
20	37,5	29,5	35	35,0	35,70	21,5	34	29	2,0	5	26
22	37,5	31,0	37	35,0	37,30	23,0	36	31	2,0	5	28
24	40,0	32,5	39	38,0	40,50	26,5	39	33	2,0	5	30
25	40,0	34,0	40	38,0	40,50	26,5	39,8	34	2,0	5	31
26	-	34,5	-	40,0	-	-	-	-	2,0	5	32
28	42,5	35,5	43	42,0	47,65	29,5	43	37	2,0	5	35
30	42,5	35,5	45	45,0	50,80	32,5	45	39	2,0	5	37
32	42,5	39,0	48	48,0	50,80	32,5	47	42	2,0	5	39
33	42,5	-	48	-	54,00	36,5	48,5	42	2,0	5	40
35	42,5	39,5	50	52,0	54,00	36,5	51	44	2,0	5	43
38	45,0	42,5	56	55,0	57,15	39,5	56	49	2,0	6	45
40	45,0	45,5	58	58,0	60,35	42,5	56,5	51	2,0	6	49
42	-	49,3	-	62,0	-	-	-	-	2,0	6	52
43	45,0	-	61	-	63,50	46,0	62	54	2,0	6	52
45	45,0	50,8	63	64,0	63,50	46,0	62	56	2,0	6	55
48	45,0	56,3	66	68,4	66,70	49,0	65	59	2,0	6	58
50	47,5	57,3	70	69,3	69,85	52,0	68,6	62	2,5	6	61
53	47,5	-	73	-	73,05	55,5	71	65	2,5	6	64
55	47,5	62,3	75	75,4	76,20	58,5	74	67	2,5	6	66
58	52,5	65,3	78	78,4	79,40	61,5	78	70	2,5	6	69
60	52,5	66,3	80	80,4	79,40	61,5	81	72	2,5	6	71
63	52,5	-	83	-	-	-	84	75	2,5	6	74
65	52,5	67,3	85	85,4	92,10	68,0	86	77	2,5	6	77
68	52,5	69,0	90	91,5	95,25	71,0	89	81	2,5	7	80
70	60,0	69,3	92	92,0	95,25	71,0	92,5	83	2,5	7	83
75	60,0	70,3	97	99,0	101,6	77,5	98	88	2,5	7	88
80	60,0	74,3	105	104,0	114,3	84,0	104	95	3,0	7	93

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

Working conditions

Mechanical seals types V111/V111A are designed both for light and hard working conditions, for the pressure up to 16 bar (p= 16 bar) and temperatures from minus 40°C to 204°C (t= -40°C~+204°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 alkal (base), diesel, petrol, heavy oil, mineral oil, varnish and colors, ammonia (NH3).