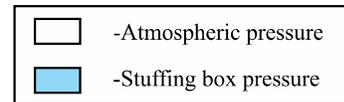


## PRODUCT DESCRIPTION

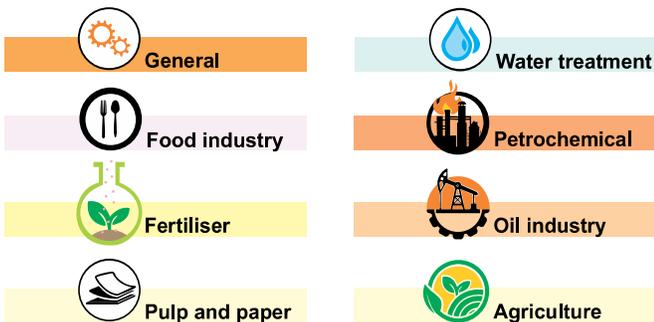
The long compression ratio of the single coil spring compensates for play and variations in working length, allowing it to be installed in both DIN 24960 standard (EN 12756) and shorter configurations out of DIN 24960. The open construction design provides effective flushing and reduces blockage caused by crystallization. The rotary part is highly flexible, making it suitable for most applications, and the mechanical seal is easy to install.



## WORKING CONDITIONS

Mechanical seal types V111/V111A are designed for both light and demanding working conditions, with pressure up to 16 bar ( $p = 16 \text{ bar}$ ) and temperatures ranging from  $-40^\circ\text{C}$  to  $+204^\circ\text{C}$  ( $t = -40^\circ\text{C} \sim +204^\circ\text{C}$ ). These seals are especially suitable for the following media: cold and hot water (up to  $130^\circ\text{C}$ ), demineralized water, wastewater, beer, beer mash, malt, milk and dairy products, vegetable oil and paste, alcohol, calcium carbonate, dextrose, juice and natural juice, mild acids, mild alkalis (bases), diesel, petrol, heavy oil, mineral oil, varnish and collors, and ammonia ( $\text{NH}_3$ ).

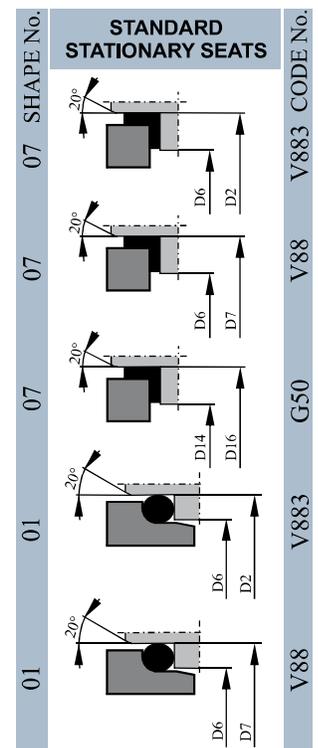
## APPLICATION



Item	Description
1.	Rotary seal ring
2.	Stationary seat
3.	O - ring
4.	O - ring
5.	Single coil spring
6.	Housing
7.	Rotary seal ring
8.	Set screw

## LIMITING FACTORS

D1= 16... 80 mm  
 $p_1 = 10 \text{ (25) bar}$   
 $t = -40^\circ \dots 204^\circ\text{C}$   
 $V_g = 20 \text{ m/s}$   
 $p_v = 250 \text{ bar m/s}$



# V111M & V1113M

## Dimension Table & Technical Information



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 DIN24960 (EN 12756) standard