

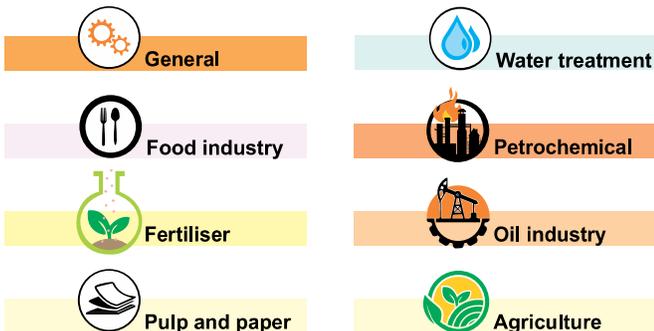
PRODUCT DESCRIPTION

The design of the V111B type is very similar to the V111M, but it successfully withstands higher pressures, achieved by balancing the sliding faces. It can be installed in both the DIN 24960 standard (EN 12756) and in 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 and suitable for most applications.

WORKING CONDITIONS

Mechanical seal types V111B are designed for both light and demanding working conditions, with pressure up to 40 bar ($p = 40 \text{ bar}$) and temperatures ranging from -40°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°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 (NH_3).

APPLICATION



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	56,1	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 values do not meet DIN24960 (EN 12756) standard

Item	Description
1.	Rotary seal ring
2.	Stationary seat
3.	Secondary seal
4.	Secondary seal
5.	Spring
6.	Housing
7.	Rotary seal ring carrier
8.	Fixing screw



LIMITING FACTORS

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