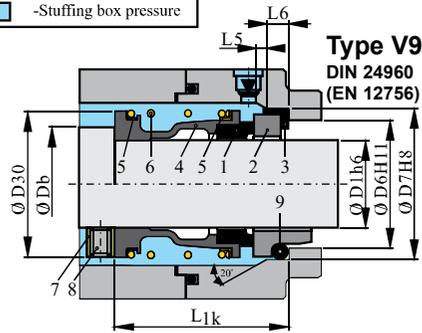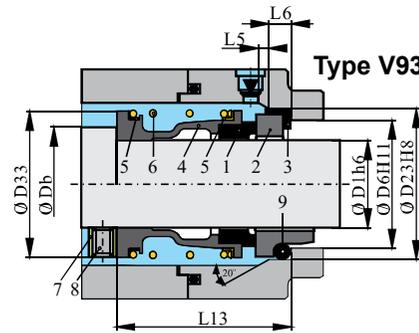# Type V9

Elastomer bellow unbalanced mechanical seal Independent of the shaft rotating direction
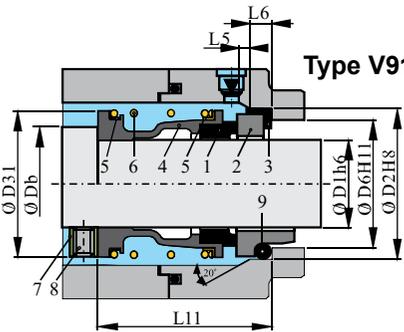
☐ -Atmospheric pressure
▦ -Stuffing box pressure

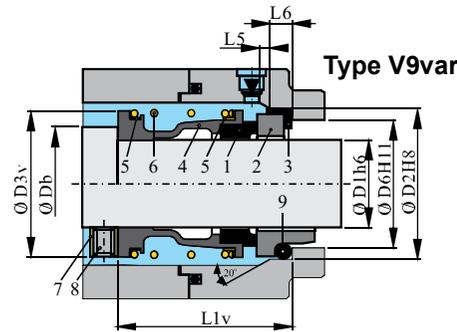**Type V9**
DIN 24960
(EN 12756)
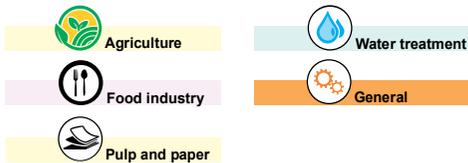

Type V93

Type V91

Type V9var

PRODUCT DESCRIPTION

The flexible rubber bellows design provides full flexibility, compensating for possible axial shaft play. The long compression ratio of the rubber bellows and the spring allows for errors in the mechanical seal's working length. It protects the shaft from sedimentation and dirt. This makes it suitable for long periods of continuous operation.

WORKING CONDITIONS

Mechanical seal type V2M is designed for light working conditions, with pressure up to 10 bar (p = 10 bar) and temperatures ranging from -40°C to +204°C (t = -40°C ~ +204°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, juice and natural juice, mild acids,
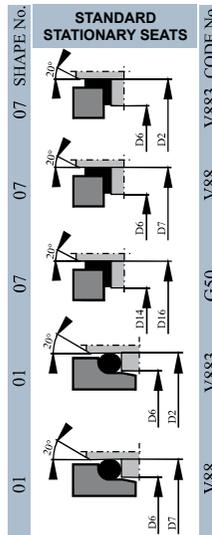
APPLICATION

- 🌱 **Agriculture**
- 🍴 **Food industry**
- 👟 **Pulp and paper**
- 💧 **Water treatment**
- ⚙ **General**

Item	Description
1.	Rotary seal ring
2.	Stationary seat
3.	Secondary seal
4.	Rubber bellows
5.	Fixing and driving ring
6.	Spring
7.	Support ring
8.	Fixing screw
9.	Secondary seal

STANDARD STATIONARY SEATS

LIMITING FACTORS

D1= 14... 100 mm
p1= 10 bar

Type V9

Dimension Table & Technical Information

D1	L1k	L1v	L13	L11	D7	D2	D23	D21	D30*	D3v	D33	D31	D16	D14	D6	L5	L6	Db
14	-	21,0	-	-	-	25	-	-	-	25,0	-	-	-	-	20	1,5	4	17
15	-	23,0	-	-	-	25	-	-	-	27,0	-	-	-	-	20,5	1,5	4	17
16	35,0	28,0	26,5	-	27	31,75	28	-	31	31,0	31	-	30,95	17,0	26	1,5	4	21
18	37,5	27,0	28,5	-	33	33	30	-	33	33,0	33	-	34,15	20,0	27	2,0	5	23
19 / 20	37,5	28,2	29,5	-	35	35	35	-	37	35,0	35	-	35,70	21,5	29	2,0	5	26
22	37,5	-	31,0	-	37	-	35	-	38	-	37	-	37,30	23,0	31	2,0	5	28
24	40,0	-	32,5	-	39	-	38	-	39	-	39	-	40,50	26,5	33	2,0	5	30
25	40,0	-	34,0	-	40	-	38	-	41	-	40	-	40,50	26,5	34	2,0	5	31
26	-	-	34,5	-	-	-	40	-	-	-	41	-	-	-	34	2,0	5	32
28	42,5	-	35,5	-	43	-	42	-	46	-	44	-	47,65	29,5	37	2,0	5	35
30	42,5	-	35,5	45	45	-	45	51	47	-	46	46	50,80	32,5	39	2,0	5	37
32	42,5	-	39,0	45	48	-	48	50,8	49	-	49	49	50,80	32,5	42	2,0	5	39
33	42,5	-	-	-	48	-	-	-	50	-	-	-	54,00	36,5	42	2,0	5	40
35	42,5	-	39,5	-	50	-	52	-	52,5	-	52	-	54,00	36,5	44	2,0	5	43
38	45,0	-	42,5	-	56	-	55	-	59	-	57	-	57,15	39,5	49	2,0	6	45
40	45,0	-	45,5	-	58	-	58	-	62	-	59	-	60,35	42,5	51	2,0	6	49
42	-	-	49,3	-	-	-	62	-	-	-	62	-	-	-	53,3	2,0	6	52
43	45,0	-	-	-	61	-	-	-	62	-	-	-	63,50	46,0	54	2,0	6	52
45	45,0	-	50,8	-	63	-	64	-	65	-	64	-	63,50	46,0	56	2,5	6	55
48	45,0	-	56,3	-	66	-	68,4	-	66	-	66	-	66,70	49,0	59	2,0	6	58
50	47,5	-	57,3	-	70	-	69,3	-	70,5	-	70	-	69,85	52,0	62	2,5	6	61
53	47,5	-	-	-	73	-	-	-	72	-	-	-	73,05	55,5	65	2,5	6	64
55	47,5	-	62,3	54,5	75	-	75,4	76,2	75	-	76	76	76,20	58,5	67	2,5	6	66
58	52,5	-	65,3	-	78	-	78,4	-	81	-	82	-	79,40	61,5	70	2,5	6	69
60	52,5	-	66,3	-	80	-	80,4	-	81	-	84	-	79,40	61,5	72	2,5	6	71
63	52,5	-	-	-	83	-	-	-	88	-	-	-	-	68,0	75	2,5	6	74
65	52,5	-	67,3	-	85	-	85,4	-	90	-	90	-	92,10	68,0	77	2,5	6	77
68	52,5	-	69,0	-	90	-	91,5	-	93	-	92	-	95,25	71,0	81	2,5	7	80
70	60,0	-	69,3	-	92	-	92	-	95	-	95	-	95,25	71,0	83	2,5	7	83
75	60,0	-	70,3	-	97	-	99	-	102	-	102	-	101,6	77,5	88	2,5	7	88
80	60,0	-	74,3	-	105	-	104	-	113	-	-	-	114,3	84,0	95	3,0	7	93

* Stared columns values do not meet DIN24960 (EN 12756) standard