EagleBurgmann
a member of EKK and FREUDENBERG

RELY ON EXCELLENCE

MF95N

Mechanical seals | Mechanical seals for pumps | Metal bellows seals

Features
- For unstepped shafts
- Rotating bellows
- Single Seal
- Balanced
- Independent of direction of rotation
- Roller bellows

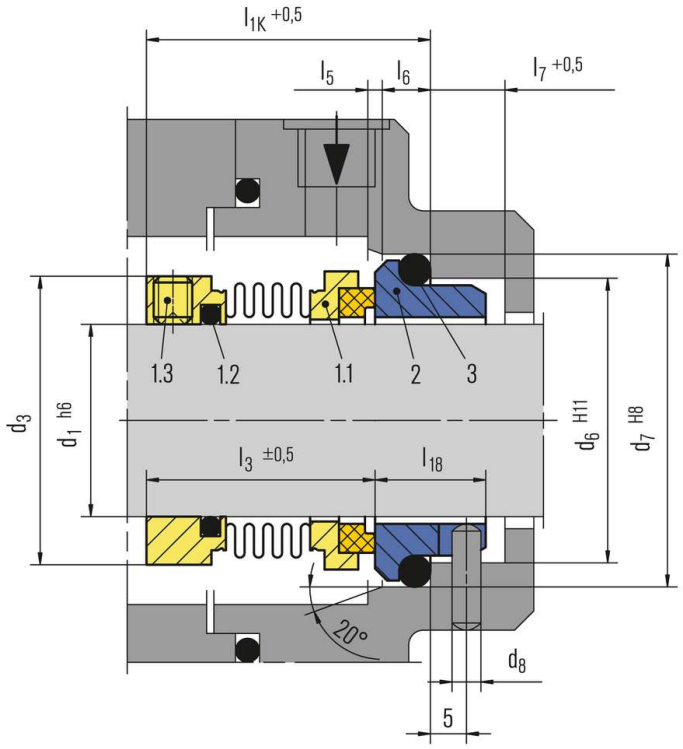
Advantages
- For extreme temperature ranges
- No dynamically loaded O-Ring
- Very good self cleaning effect
- Suitable for low-end sterile applications

Operating range
Shaft diameter:
d1 = 14 ... 100 mm (0.55" ... 3.94")
Temperature:
t = -40 °C ...+220 °C (-40 °F ... +428 °F)
Pressure: p = 16 bar (232 PSI)
Sliding velocity: vg = 20 m/s (66 ft/s)
Axial movement: ± 0.5 mm

Materials
Seal face: Silicon carbide (Q12), Carbon graphite resin impregnated (B), Carbon graphite antimony impregnated (A)
Seat: Silicon carbide (Q1)
Bellows: Hastelloy® C-276 (M5)
Metal parts: CrNiMo steel (G1)

Standards and approvals
- EN 12756

Recommended applications
- Process industry
- Oil and gas industry
- Refining technology
- Chemical industry
- Pharmaceutical industry
- Pulp and paper industry
- Food and beverage industry
- Hot media
- Cold media
- Highly viscous media
- Pumps
- Special rotating equipment



Item	Part no. DIN 24250	Description
1.1	472/481	Seal face with bellows unit
1.2	412.1	O-Ring
1.3	904	Set screw
2	475	Seat (G16)
3	412.2	O-Ring

Product variants

MF90N
Shaft diameter:
d1 = 14 ... 100 mm (0.55" ... 3.94")
Temperature:
t = -40 °C ...+220 °C (-40 °F ... +428 °F)
Internally pressurized: p = 10 bar (145 PSI),
stationary seat lock necessary.
Sliding velocity: vg = 20 m/s (66 ft/s)
Axial movement: ±0.5 mm

Dimensions

d_1	d_3	d_6	d_7	d_8	l_{1K}	l_3	l_5	l_6	l_7	l_{18}
14	24	21	25	3	35.0	30.5	1.5	4	8.5	15.0
16	26	23	27	3	35.0	29.5	1.5	4	8.5	15.0
18	32	27	33	3	37.5	30.5	2.0	5	9.0	15.0
20	34	29	35	3	37.5	30.5	2.0	5	9.0	15.0
22	36	31	37	3	37.5	30.5	2.0	5	9.0	15.0
24	39	33	39	3	40.0	33.0	2.0	5	9.0	15.0
25	39	34	40	3	40.0	33.0	2.0	5	9.0	15.0
28	42	37	43	3	42.5	35.5	2.0	5	9.0	15.0
30	44	39	45	3	42.5	35.5	2.0	5	9.0	15.0
32	46	42	48	3	42.5	35.5	2.0	5	9.0	15.0
33	47	42	48	3	42.5	35.5	2.0	5	9.0	15.0
35	49	44	50	3	42.5	35.5	2.0	5	9.0	15.0
38	54	49	56	4	45.0	37.0	2.0	6	9.0	16.0
40	56	51	58	4	45.0	37.0	2.0	6	9.0	16.0
43	58	54	61	4	45.0	37.0	2.0	6	9.0	16.0
45	61	56	63	4	45.0	37.0	2.0	6	9.0	16.0
48	64	59	66	4	45.0	37.0	2.0	6	9.0	16.0
50	66	62	70	4	47.5	38.0	2.5	6	9.0	17.0
53	69	65	73	4	47.5	38.0	2.5	6	9.0	17.0
55	71	67	75	4	47.5	38.0	2.5	6	9.0	17.0
58	78	70	78	4	52.5	42.0	2.5	6	9.0	18.0
60	80	72	80	4	52.5	42.0	2.5	6	9.0	18.0
63	83	75	83	4	52.5	42.0	2.5	6	9.0	18.0
65	85	77	85	4	52.5	42.0	2.5	6	9.0	18.0
68	87	81	90	4	52.5	41.5	2.5	7	9.0	18.5
70	90	83	92	4	60.0	48.5	2.5	7	9.0	19.0
75	99	88	97	4	60.0	48.5	2.5	7	9.0	19.0
80	104	95	105	4	60.0	48.5	3.0	7	9.0	19.0
85	109	100	110	4	60.0	48.5	3.0	7	9.0	19.0
90	114	105	115	4	65.0	52.0	3.0	7	9.0	20.5
95	119	110	120	4	65.0	52.0	3.0	7	9.0	20.5
100	124	115	125	4	65.0	52.0	3.0	7	9.0	20.5

Dimensions in millimeter