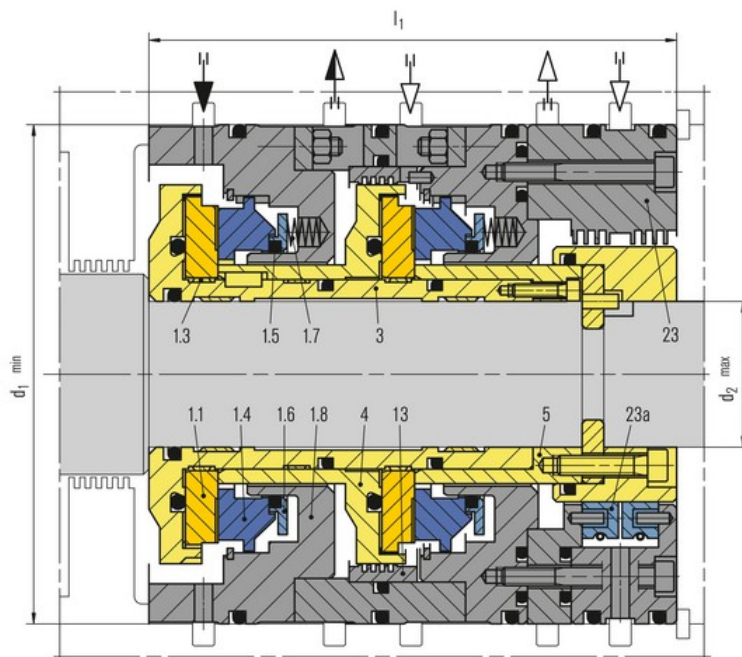


NF953

Features

- Gas-lubricated
- Independent of direction of rotation
- Single, double, tandem, tandem with intermediate labyrinth available



Item Description

- 1.1 Seat
- 1.3 Spring
- 1.4 Seal face
- 1.5 O-Ring
- 1.6 Thrust ring
- 1.7 Spring
- 1.8 Housing
- 3 Shaft sleeve
- 4 Adapter sleeve
- 5 Clamp sleeve
- 13 Labyrinth
- 23 Labyrinth seal
- 23a Segmented seal

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NF953 (2)

Recommended applications

- Oil and gas industry
- Refining technology
- Petrochemical industry
- Compressors

Operating range

Pressure: $p = 0 \dots 80$ bar (0 ... 1,160 PSI) (single and tandem seal), -1 bar ... 20 bar (-15 ... 290 PSI) (Double seal)

Temperature: $t = -20 \text{ °C} \dots +200 \text{ °C}$ (-4 °F ... +392 °F)

Sliding velocity: $v_g = 4 \dots 200$ m/s (13 ... 656 ft/s)

Materials

Seal face: Carbon graphite antimony impregnated (A)

Seat: Silicon carbide (Q1) or ductile stainless steel with TiN-coating

Dimensions

d	d ₁ min.	d ₂ max.	l ₁
38.1	94	38	88
50.8	110	52	95
57.2	118	58	98
63.5	126	64	101
76.2	142	77	108
88.9	158	90	114
101.6	178	102	120
114.3	198	115	126
127.0	218	128	132
139.7	237	140	137
152.4	257	153	143
177.8	297	178	161
203.2	337	204	172
228.6	376	229	184
254.0	416	255	195

Dimensions in millimeter