

HBrinker Mechanical Seal

Agitator seal Mechanical Seal HBS-D



H-Brinker

www.HBrinker.com



Mechanical Seal HBS-D

IRANSEAL
Mechanical Seal

Operating range

Shaft diameter: $d_1 = 20 \dots 500 \text{ mm}$ (0.79" ... 19.69")

Pressure: $p_1 = \text{vacuum} \dots 30 \text{ bar}$ (... 435 PSI)

Temperature: $t_1 = -40 \text{ }^{\circ}\text{C} \dots +200 \text{ (350}^{\circ}\text{)} \text{ }^{\circ}\text{C}$ (-40 $^{\circ}\text{F} \dots +392 \text{ (662}^{\circ}\text{)} \text{ }^{\circ}\text{F}$)

Sliding velocity: $v_g = 0 \dots 5 \text{ m/s}$ (0 ... 16 ft/s)

Materials

- Seal faces: Carbon graphite or Silicon carbide, FDA conform
- Seats: Silicon carbide, FDA conform
- Secondary seals and metallic parts acc. to application and customers' requirement.

Features

- For top entry drives
- Double seal
- Unbalanced
- Independent of direction of rotation
- Multiple springs rotating
- Liquid-lubricated
- Cartridge unit

Advantages

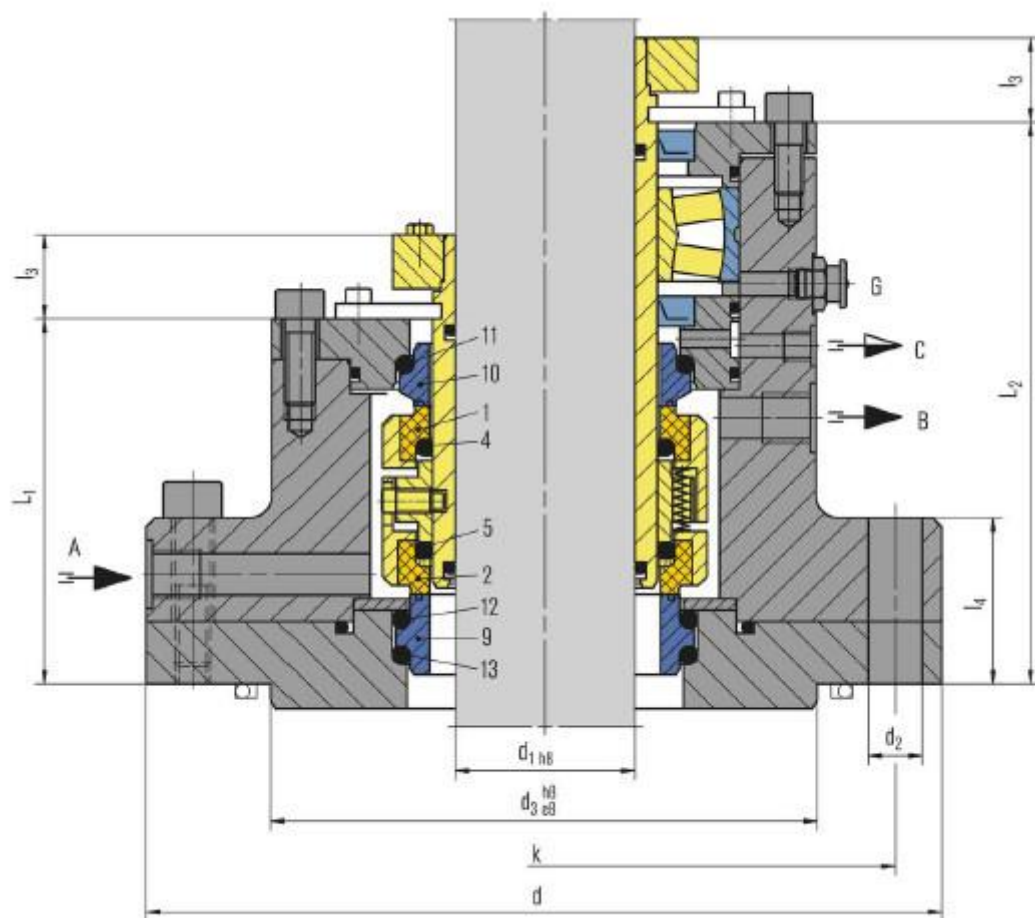
- Ready-to-fit and factory-tested unit
- With or without bearing available
- Patented hydrodynamic grooves
- Designed for medium pressure range
- Connection dimensions to customers' requirements
- Self-closing on product side
- ATEX certification on request

Recommended applications

- Refining technology
- Petrochemical industry
- Chemical industry
- Pharmaceutical industry
- Reactors
- Agitators
- Special rotating equipment

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Item	Description
1	Seal face, atmosphere side
2	Seal face, product side
4,5,11,12,13	O-Ring
9	Seat, product side
10	Seat, atmosphere side

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Dimension Table

d ₁	d	n x d ₂	d ₃	[k	l ₁	l ₂	l ₃	l ₄
40	200	6 x 18	80	170	115	170	35	45
50	230	8 x 18	100	200	120	185	35	55
60	255	8 x 18	120	225	140	210	35	60
80	295	8 x 23	145	260	145	230	44	60
100	315	8 x 23	170	280	160	245	44	65
120	345	8 x 23	190	310	160	250	50	65
140	380	12 x 23	215	345	165	265	50	65
160	440	12 x 27	240	395	185	300	50	75
180	475	12 x 27	260	430	185	310	55	75
200	465	12 x 27	290	420	190	290	55	75

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