HBrinker Mechanical Seal

Agitator seal Mechanical Seal HBM481C

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Mechanical Seal HBM481C

Operating range

Shaft diameter: d1 = 40 ... 125 mm (1.57" .... 4.92")

Pressure:

p1 = vacuum ... 10 bar (145 PSI),

p3 = max. 12 bar (174 PSI)

Temperature: t1 = -40 °C ... +200 °C (-40 °F ... +392 °F)

Sliding velocity: vg = 0 ... 3 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

- Liquid-lubricated double seal for topentry drives
- Cartridge unit
- Self-closing on the product side
- For stepped and unstepped shafts
- Unbalanced
- Independent of direction of rotation
- Multiple springs rotating

Advantages

- Ready-to-fit and factory-tested units
- The M481C and its variants will remain closed even during pressure variations or pressure reversal. Operation is possible with buffer fluid (p1max = 6 bar (87 PSI)) or pressurized with barrier fluid as double seal
- Available with or without bearing
- Metal-free on product side as option
- Suitable for standardizations
- Seal can be applied at higher pressure and rotating speed than specified by DIN

Recommended applications

- Refining technology
- Petrochemical industry
- Chemical industry
- Pharmaceutical industry
- Food and beverage industry
- Agitators
- Reactors

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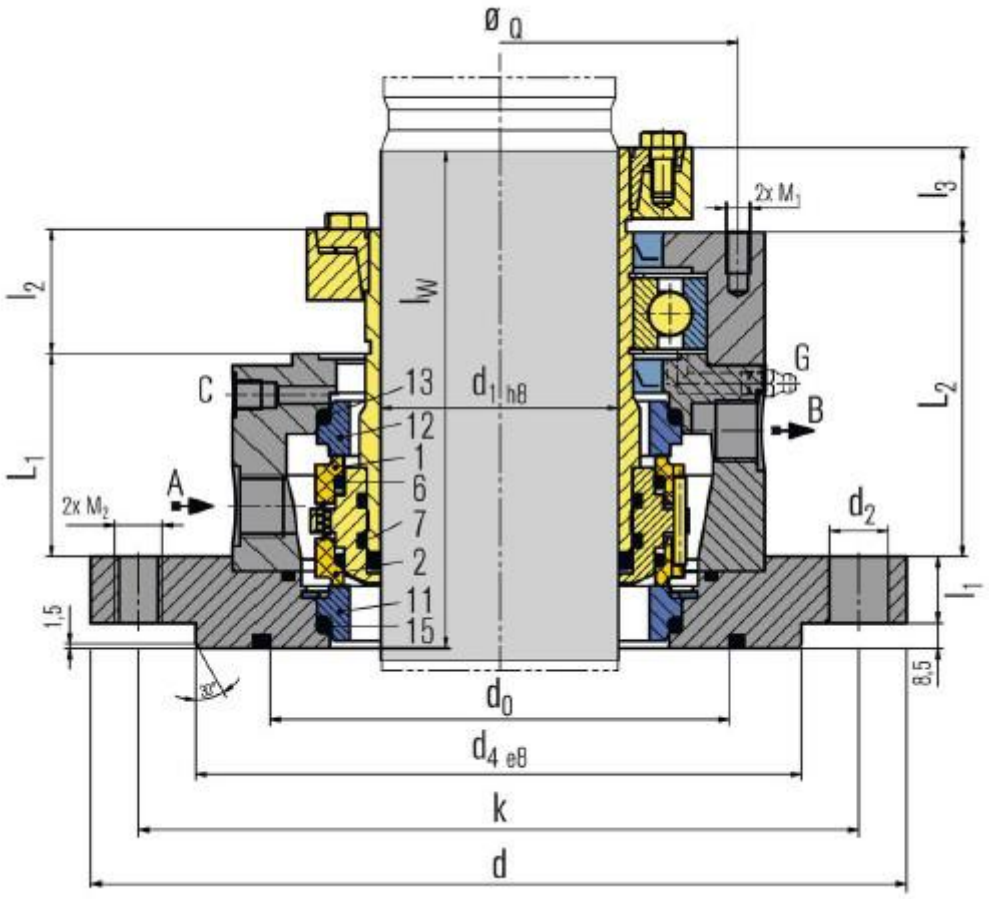

Item	Description
1	Seal face, atmosphere side
2	Seal face, product side
6,7,13 ,15	O-Ring
11	Seat, product side
12	Seat, atmosphere side

Dimension Table

d_1 1)	d 1)	n x d_2	d_4	d_0	k	L_1	L_2	L_w 2)	l_1	l_2	l_3	a	M_1	M_2	A,B	C	G
40	175	4×18	110	90	145	60.5	93.5	143	18.5	32.5	22.5	105	M8	M16	G3/8	G1/8	M6
50	240	8×18	176	159	210	63	101.5	148	17.5	26	22	143	M8	M16	G3/8	G1/8	M8X1
60	240	8×18	176	159	210	63	101.5	158	17.5	27	25	143	M8	M16	G3/8	G1/8	M8X1
80	275	8×22	204	155	240	68.5	109.5	168	22.5	42	28.5	161	M8	M20	G1/2	G1/8	M8X1
100	305	8×22	234	190	270	73.5	119	178	20	32	30.5	195	M10	M20	G1/2	G1/8	M8X1
125	330	8×22	260	215	295	80.5	134	203	22.5	39	38	231	M10	M20	G1/2	G1/8	M8X1

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