

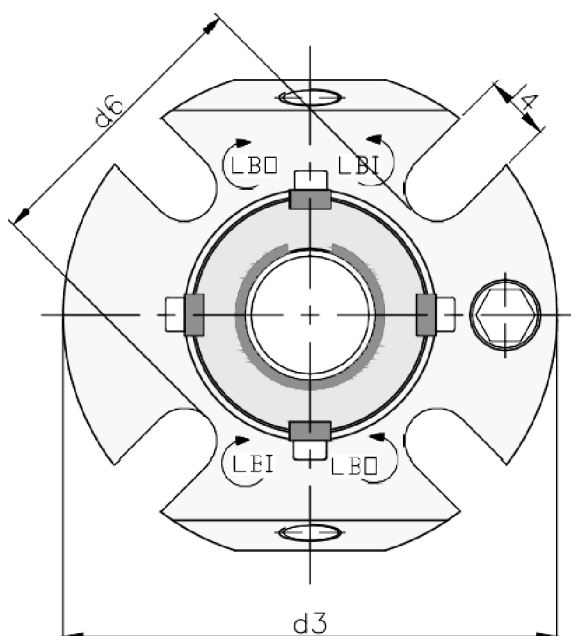


CHARACTERISTICS

- Balanced.
- Multispring.
- Not dependent on the rotation direction.
- Barrier fluid connections.

SECTOR

- Pharmaceutical industry
- Power plant technology
- Pulp and paper industry
- Water and waste water technology
- Mining industry
- Food and beverage industry
- Sugar industry
- Contaminated, abrasive and solids containing media
- Thick juice (70 ... 75 % sugar content)
- Raw sludge, sewage slurries
- Raw sludge pumps
- Thick juice pumps
- Conveying and bottling of dairy products



OPERATING RANGE

$d_1 = 25 \div 100\text{mm}$, $p = 25 \text{ kg/cm}^2$, $v = 16 \text{ m/s}$, $t = -15 \div +200^\circ\text{C}$ (*)

(*) The temperature resistance depends on the material of the secondary seals used.

The operating limits are defined by the PV factor which is determined for the sealing system characteristics and those of the application.

ADVANTAGE

- Ideal for use in ANSI process pumps
- Universal applicable for packings conversions, retrofits or original equipment
- Seal for standardizations
- No dimensional modification of the seal chamber necessary, small radial installation height
- No damage of the shaft by dynamically loaded O-Ring
- Extended service life
- Installation faults are avoided, cost-effective
- No damage caused by dirt entered during assembly
- Straightforward and easy installation due to pre-assembled unit (reduced down-times)

SEAL FACE MATERIALS.

Antimony impregnated carbon graphite
 Resin impregnated carbon graphite
 Sintered silicon carbide
 Reaction bonded silicon carbide
 Tungsten carbide

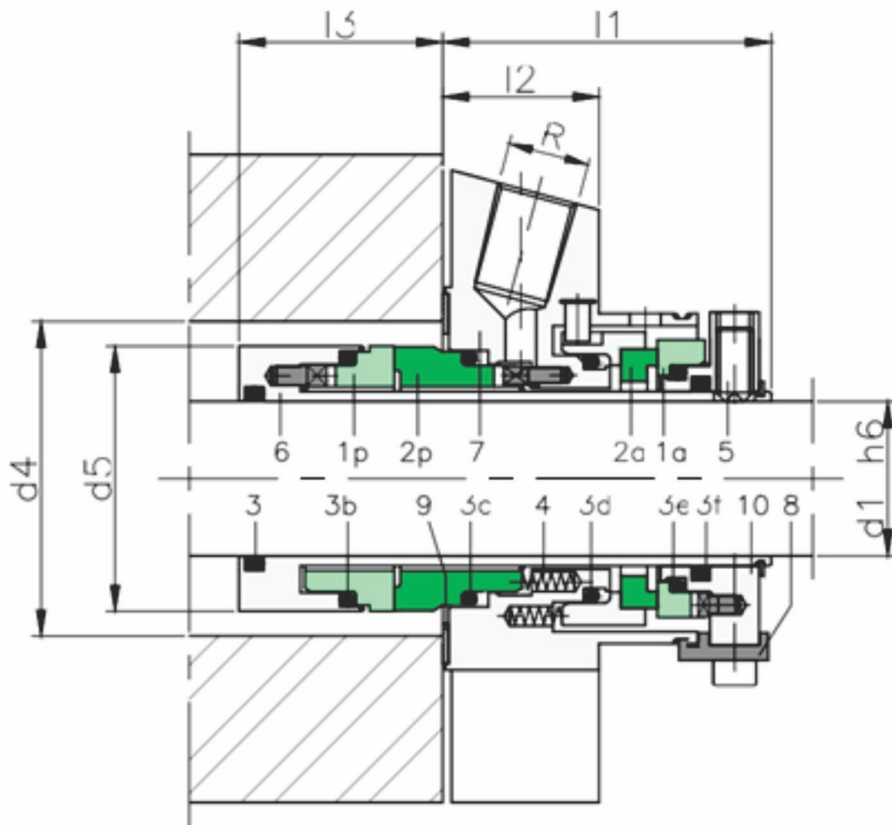
FEATURES

- For unstepped shafts
- Single seal
- Balanced
- Independent of direction of rotation
- Encapsulated rotating spring

DESCRIPTION

A double cartridge with a "face to face" arrangement which permits operation with barrier fluid in excessive pressure with respect to the working fluid ($P1 + 1.5 - 2 \text{ Kgr/cm}^2$)

The sleeve includes a pumping ring that facilitates the barrier fluid movement. The connections of Liquid barrier IN and OUT have to be connected according to the rotation direction.



COMPONENTS

- 1p Rotating contact surface product side
- 2p Stationary contact surface product side
- 1a Rotating contact surface atmospheric side
- 2a Stationary contact surface atmospheric side
- 3 O-rings
- 4 Springs
- 5 Set screws
- 6 Sleeve
- 7 Flange
- 8 Setting clips
- 9 Flat gasket
- 10 Drive ring

DIMENSIONS IN INCHES

Shaft										
(")	mm	d ₃	d ₄ mín	d ₄ máx	d ₅	d ₆	l ₁	l ₂	l ₃	l ₄
1,000	25,4	105,0	44,0	51,0	43,0	62,0	53,4	25,42	33,1	13,2
1,125	28,6	105,0	47,6	52,1	46,0	61,0	53,4	25,4	33,1	13,2
1,250	31,8	110,0	51,0	57,0	49,8	70,1	53,4	25,4	33,1	13,2
1,375	34,9	113,0	56,3	61,5	53,0	72,1	53,4	25,4	33,1	13,2
1,500	38,1	123,0	57,0	66,0	56,0	74,9	53,4	25,4	33,1	13,2
1,625	41,3	123,0	60,3	68,6	59,5	78,5	53,4	25,4	33,1	14,2
1,750	44,5	138,0	64,0	73,0	62,5	82,0	53,4	25,4	33,1	14,2
1,875	47,6	138,0	67,0	75,0	65,6	85,1	53,4	25,4	33,1	14,2
2,000	50,8	148,0	69,0	78,0	68,0	87,1	53,4	25,4	33,1	14,2
2,125	53,98	148,0	73,0	87,0	72,0	97,0	53,4	25,4	33,1	18,0
2,250	57,2	157,0	76,2	90,4	75,2	100,1	53,4	25,4	33,1	18,0
2,375	60,3	157,0	79,4	91,0	78,0	102,1	53,4	25,4	33,1	18,0
2,500	63,5	163,0	83,8	96,5	81,6	106,2	53,4	25,4	33,1	18,0
2,625	66,7	163,0	85,7	100,0	84,8	109,3	53,4	25,4	33,1	18,0
2,750	69,9	178,0	95,0	108,0	93,0	118,4	53,4	25,4	33,1	18,0
2,875	73,0	190,0	101,6	118,0	100,0	129,0	108,0	25,4	44,1	18,0
3,000	76,2	190,0	101,6	118,0	100,0	129,0	108,0	28,0	44,1	18,0
3,125	79,4	195,0	108,0	124,0	106,4	135,0	108,0	28,0	44,1	18,0
3,250	82,6	195,0	108,0	124,0	106,4	135,0	108,0	28,0	44,1	18,0
3,375	85,7	198,0	111,1	128,0	109,5	139,0	108,0	28,0	44,1	22,0
3,500	88,9	198,0	114,3	140,1	112,7	142,0	108,0	28,0	44,1	22,0
3,625	92,1	205,0	117,5	135,0	115,9	145,0	108,0	28,0	44,1	22,0
3,750	95,3	208,0	120,7	138,0	119,1	148,0	108,0	28,0	44,1	22,0
4,000	101,6	218,0	127,0	144,0	125,4	154,0	108,0	28,0	44,1	22,0

Dimensions subject to changes or modifications.