

Description

- Cartridge Balanced Design
- Monolithic seal face (Special shape design)
- Rotation: CW, CCW
- Double Seal
- With pumping ring inside
- Designed BLUESEAL

Technical Features

- Easy Installation
- Ideal for Standardizations
- Avoid damage during installation
- LBI (Liquid Barrier/Buffer In) - LBO (Liquid Barrier/Buffer Out)

Materials

- Rotary Seal: SiC (SS), SiC-XtraDiamond™ (SD), TC (TN)
- Stationary Seal: SiC (SS), SiC-XtraDiamond™ (SD), TC (TN), CAR (CR)
- Secondary seals: FKM (V), EPDM (E), FFKM-XtraLast™(K)
- Springs: Hastelloy® C-4/C-2/C-276 (M)
- Metal Parts: 1.4404-316L (6L)
- *Special Materials under request*

Performance Capabilities

- Sizes: from 25mm up to 100mm
- Temperature: from -40°C to +280°C (depending O-Ring resistance)
- Pressure P1: up to 25bar (depending PV Factor)
- Pressure P2: up to 25bar (depending PV Factor)
- Barrier fluid: P2<P1: from 1,7bar to 2,7bar
- Speed: up to 16m/s (depending PV Factor)
- Ready for API Plan: 52/53A/53B/53C/54/55

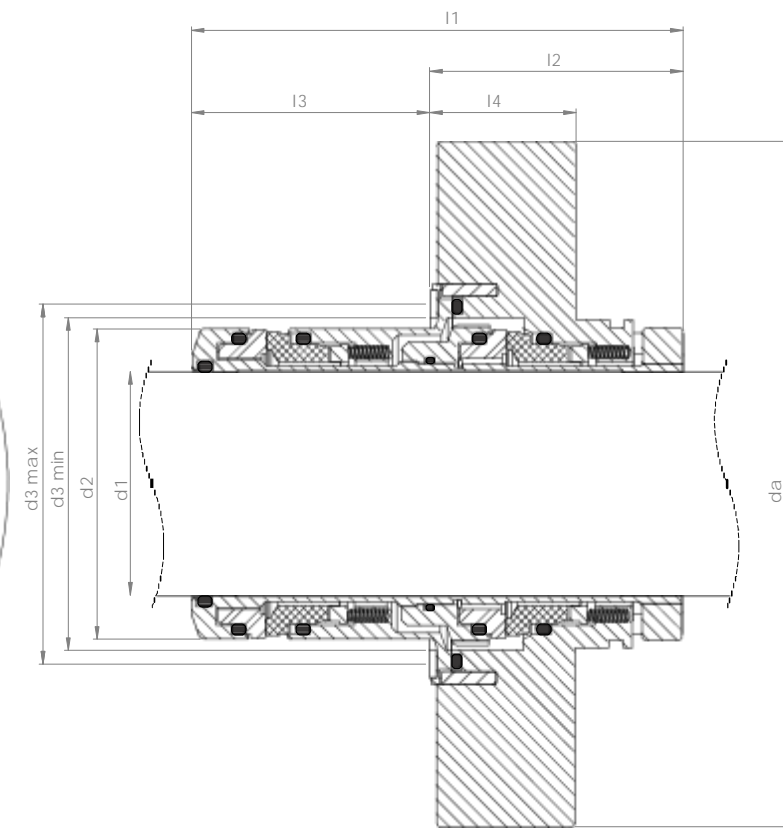
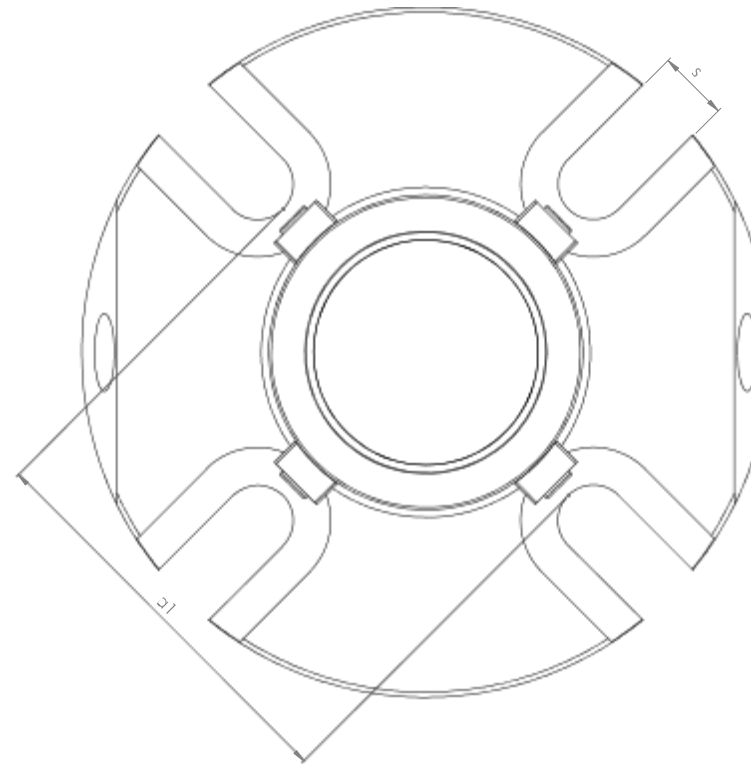
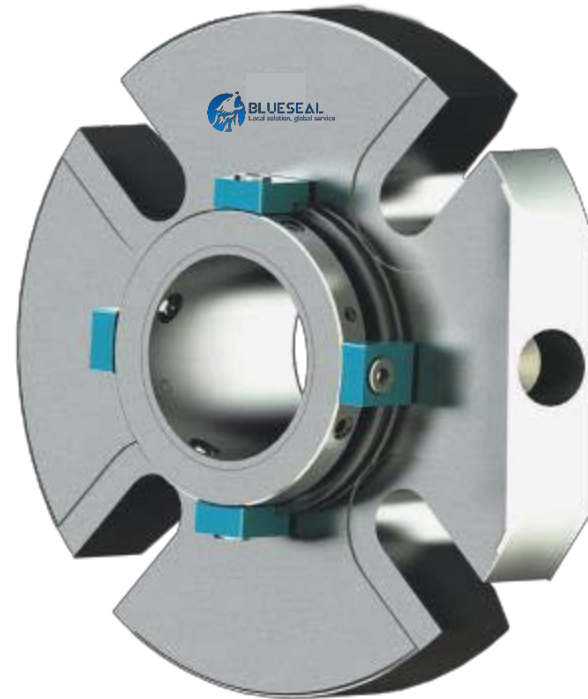
Standards



Manufacturing according ISO 9001/14001
 Dimension according: EN-ISO 3069
 For pumps: EN-ISO 2858 and EN-ISO 5199
 Optionals: FDA, ATEX, *Others under request*

Industrial Applications

- Chemical Industry
- Food and Beverage Industry
- Petrochemical Industry
- Pharmaceutical Industry
- Water and Waste Water
- Centrifugal Pumps
- Process Pumps



Dimensional Data in millimeter

d1	d2	d3 min	d3 max	l1	l2	l3	l4	a1	da	s	LBI/LBO
25	43,00	44,00	55,00	99,00	50,50	48,50	29,00	62,00	105,00	13,20	3/8 NPT
28	46,00	47,00	55,00	99,00	50,50	48,50	29,00	62,00	105,00	13,20	3/8 NPT
30	48,00	49,00	60,00	99,00	50,50	48,50	29,00	65,00	110,00	13,20	3/8 NPT
32	50,00	51,00	62,00	99,00	50,50	48,50	29,00	67,00	110,00	13,20	3/8 NPT
33	50,00	51,00	62,00	99,00	50,50	48,50	29,00	67,00	110,00	13,20	3/8 NPT
35	53,00	54,00	65,00	99,00	50,50	48,50	29,00	70,00	123,00	13,20	3/8 NPT
38	56,00	57,00	70,00	99,00	50,50	48,50	29,00	75,00	123,00	14,20	3/8 NPT
40	58,00	59,00	73,00	99,00	50,50	48,50	29,00	78,00	133,00	14,20	3/8 NPT
42	60,50	61,50	75,00	99,00	50,50	48,50	29,00	80,00	133,00	14,20	3/8 NPT
43	60,50	61,50	75,00	99,00	50,50	48,50	29,00	80,00	133,00	14,20	3/8 NPT
45	62,50	64,00	76,00	99,00	50,50	48,50	29,00	81,00	138,00	14,20	3/8 NPT
48	65,50	67,00	79,00	99,00	50,50	48,50	29,00	84,00	148,00	14,20	3/8 NPT
50	68,00	69,00	82,00	99,00	50,50	48,50	29,00	87,00	148,00	18,00	3/8 NPT
53	72,00	73,00	84,00	99,00	50,50	48,50	29,00	89,00	148,00	18,00	3/8 NPT
55	73,00	74,00	85,00	99,00	50,50	48,50	29,00	90,00	148,00	18,00	1/2 NPT
60	78,00	79,00	96,00	99,00	50,50	48,50	29,00	102,00	157,00	18,00	1/2 NPT
65	84,80	86,00	103,00	99,00	50,50	48,50	29,00	109,00	163,00	18,00	1/2 NPT
70	93,00	95,00	112,00	99,00	50,50	48,50	29,00	118,00	178,00	18,00	1/2 NPT
75	98,00	100,00	121,00	115,00	57,60	57,40	37,00	129,00	190,00	18,00	3/4 NPT
80	103,00	105,00	128,00	115,00	57,60	57,40	37,00	135,00	195,00	18,00	3/4 NPT
85	109,00	111,00	132,00	115,00	57,60	57,40	37,00	139,00	198,00	22,00	3/4 NPT
90	114,00	116,00	138,00	115,00	57,60	57,40	37,00	145,00	205,00	22,00	3/4 NPT
95	119,00	121,00	141,00	115,00	57,60	57,40	37,00	148,00	208,00	22,00	3/4 NPT
100	124,00	126,00	147,00	115,00	57,60	57,40	37,00	154,00	218,00	22,00	3/4 NPT

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Standards

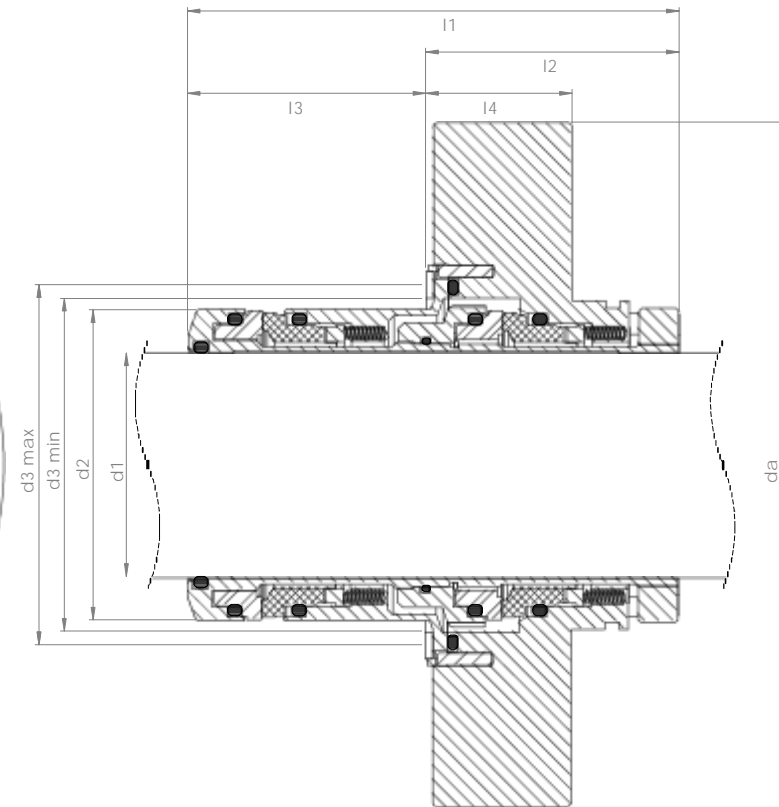
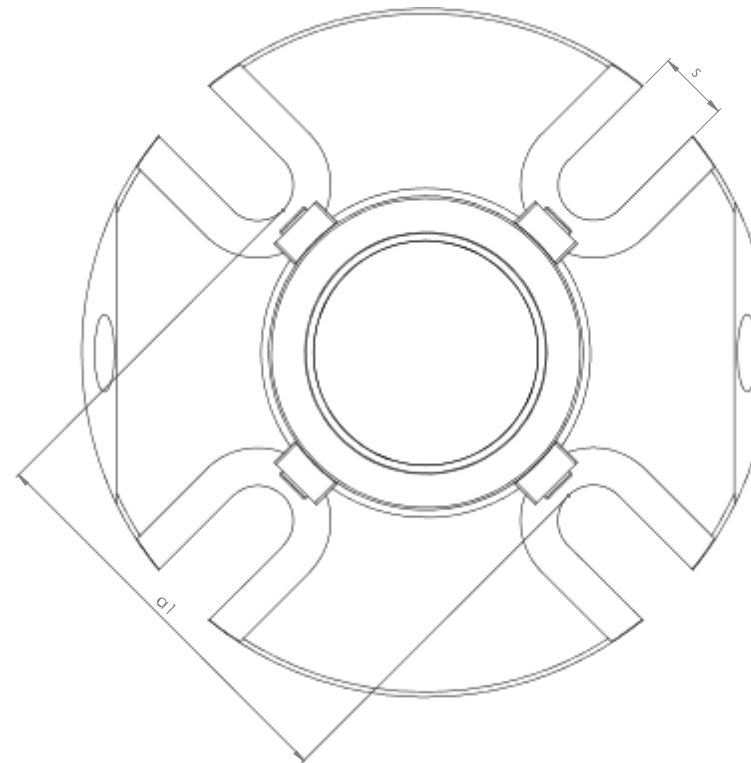
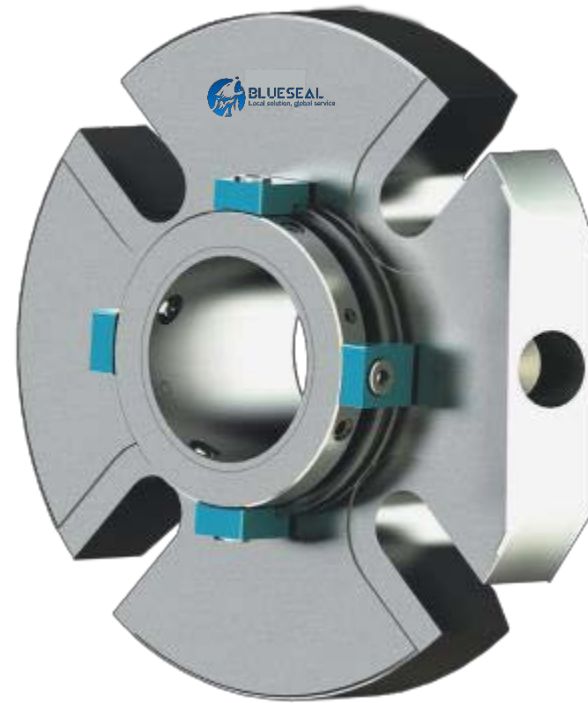


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- Petrochemical Industry
- Pharmaceutical Industry
- Water and Waste Water
- Centrifugal Pumps
- Process Pumps

Installation, Details, Options



STANDARD BORE - (all dimensions in Inch)

d1 inch	d2	d3 min	d3 max	l1	l2	l3	l4	a1	da	s	LBI/LBO
1,000	1,693	1,732	2,205	3,898	1,988	1,909	1,142	2,441	3,937	0,433	3/8 NPT
1,125	1,811	1,850	2,205	3,898	1,988	1,909	1,142	2,441	4,134	0,433	3/8 NPT
1,250	1,969	2,008	2,402	3,898	1,988	1,909	1,142	2,756	4,252	0,433	3/8 NPT
1,375	2,087	2,126	2,402	3,898	1,988	1,909	1,142	2,756	4,252	0,433	3/8 NPT
1,500	2,205	2,244	2,717	3,898	1,988	1,909	1,142	2,953	4,488	0,559	3/8 NPT
1,625	2,382	2,421	2,795	3,898	1,988	1,909	1,142	3,091	4,921	0,559	3/8 NPT
1,750	2,461	2,520	2,953	3,898	1,988	1,909	1,142	3,228	5,118	0,559	3/8 NPT
1,875	2,579	2,638	3,071	3,898	1,988	1,909	1,142	3,307	5,118	0,559	3/8 NPT
2,000	2,677	2,717	3,189	3,898	1,988	1,909	1,142	3,425	5,472	0,630	3/8 NPT
2,125	2,874	2,913	3,583	3,898	1,988	1,909	1,142	3,819	5,472	0,630	3/8 NPT
2,250	2,953	2,992	3,583	3,898	1,988	1,909	1,142	3,858	5,866	0,630	1/2 NPT
2,375	3,071	3,110	3,583	3,898	1,988	1,909	1,142	3,858	6,181	0,709	1/2 NPT
2,500	3,209	3,248	3,937	3,898	1,988	1,909	1,142	4,528	6,654	0,709	1/2 NPT
2,625	3,339	3,386	4,016	3,898	1,988	1,909	1,142	4,528	6,654	0,709	1/2 NPT
2,750	3,661	3,740	4,370	3,898	1,988	1,909	1,142	4,646	7,441	0,709	1/2 NPT
3,000	3,858	3,937	4,724	4,528	2,268	2,260	1,457	5,000	7,835	0,709	3/4 NPT
3,250	4,193	4,252	4,921	4,528	2,268	2,260	1,457	5,315	7,835	0,709	3/4 NPT
3,750	4,685	4,764	5,433	4,528	2,268	2,260	1,457	5,827	8,189	0,866	3/4 NPT

BIG BORE - (all dimensions in inch)

d1 inch	d2	d3 min	d3 max	l1	l2	l3	l4	a1	da	s	LBI/LBO
1,125	1,811	1,850	2,795	3,898	1,988	1,909	1,142	3,307	4,488	0,500	3/8 NPT
1,375	2,087	2,126	3,189	3,898	1,988	1,909	1,142	3,543	5,118	0,500	3/8 NPT
1,750	2,461	2,520	3,661	3,898	1,988	1,909	1,142	4,134	5,709	0,559	3/8 NPT
1,875	2,579	2,638	3,937	3,898	1,988	1,909	1,142	4,409	5,984	0,559	3/8 NPT
2,000	2,677	2,717	4,409	3,898	1,988	1,909	1,142	4,882	6,260	0,559	3/8 NPT
2,125	2,874	2,913	4,803	3,898	1,988	1,909	1,142	5,276	6,890	0,709	3/8 NPT
2,250	2,953	2,992	4,921	3,898	1,988	1,909	1,142	5,394	7,008	0,709	1/2 NPT
2,500	3,209	3,248	5,039	3,898	1,988	1,909	1,142	5,512	7,402	0,709	1/2 NPT
2,625	3,339	3,386	5,039	3,898	1,988	1,909	1,142	5,512	7,402	0,709	1/2 NPT
2,750	3,661	3,740	5,039	3,898	1,988	1,909	1,142	5,512	7,480	0,709	1/2 NPT
3,000	3,858	3,937	5,433	4,528	2,268	2,260	1,457	5,906	8,228	0,866	3/4 NPT

Additional technical & dimensional information will be provided on request.