

LSC40-F

COMPONENTS:

- | | |
|------------------------------|---|
| 1 Rotating contact surface | 8 Setting clips |
| 2 Stationary contact surface | 9 Flat gasket |
| 3 O-rings | 10 Drive ring |
| 4 Springs | 11 Lip seal quench |
| 5 Set screws | 12 Throttle ring PTFE carbon
-graphite reinforced quench |
| 6 Sleeve | |
| 7 Flange | |

CHARACTERISTICS:

- Balanced.
- Multispring.
- Not dependent on the rotation direction.
- Flushing connections.

OPERATION LIMITS:

$d_1 = 25 \div 100 \text{ mm}$ $p = 25 \text{ kg/cm}^2$

$v = 16 \text{ m/s}$ $t = -15 \div +200^\circ\text{C} (*)$

(*) 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.

DESCRIPTION:

A single cartridge with connections for flushing the seal contact faces. The springs are protected from the product to prevent blocking in applications with particle-laden fluids. The standard flange has a connection for flushing to clean and cool the faces (LSC40-F)

CONNECTIONS (R):

From 25 mm to 65 mm: 1/4" NPT.

From 38 mm to 80 mm: 3/8" NPT.

DIMENSIONS CHART

Dimensions in inches

Shaft		d ₃	d ₄ min.	d ₄ máx.	d ₅	d ₆	l ₁	l ₂	l ₃	l ₄	l ₁₂	l ₁₃	l ₁₄	l ₁₅	l ₁₆	l ₁₇
(")	mm															
1,000	25,4	105,0	44,5	50,8	43,0	62,0	42,4	25,4	24,6	13,2	35,0	32,0	17,5	79,5	53,4	26,1
1,125	28,6	105,0	47,6	52,1	46,0	62,0	42,4	25,4	24,6	13,2	35,0	32,0	17,5	79,5	53,4	26,1
1,250	31,8	110,0	50,8	57,2	49,8	67,1	42,4	25,4	24,6	13,2	35,0	32,0	17,5	79,5	53,4	26,1
1,375	34,9	113,0	54,0	61,5	53,0	69,9	42,4	25,4	24,6	13,2	35,0	32,0	17,5	79,5	53,4	26,1
1,500	38,1	123,0	57,2	66,7	55,9	74,9	42,4	25,4	24,6	13,2	35,0	32,0	17,5	79,5	53,4	26,1
1,625	41,3	123,0	60,3	68,6	59,4	77,0	42,4	25,4	24,6	15,2	35,0	32,0	17,5	79,5	53,4	26,1
1,750	44,5	138,0	63,5	71,4	62,5	81,0	42,4	25,4	24,6	15,2	35,0	32,0	17,5	79,5	53,4	26,1
1,875	47,6	138,0	66,7	74,7	65,6	81,0	42,4	25,4	24,6	15,2	35,0	32,0	17,5	79,5	53,4	26,1
2,000	50,8	148,0	69,9	81,0	68,0	87,1	42,4	25,4	24,6	15,2	35,0	32,0	17,5	79,5	53,4	26,1
2,125	54,0	148,0	73,0	87,3	72,0	97,0	42,4	25,4	24,6	18,0	35,0	32,0	17,5	79,5	53,4	26,1
2,250	57,2	157,0	76,2	90,4	75,2	100,1	42,4	25,4	24,6	18,0	35,0	32,0	17,5	79,5	53,4	26,1
2,375	60,3	157,0	79,4	91,2	78,0	102,1	42,4	25,4	24,6	18,0	35,0	32,0	17,5	79,5	53,4	26,1
2,500	63,5	163,0	82,6	96,5	81,6	105,9	42,4	25,4	24,6	18,0	35,0	32,0	17,5	79,5	53,4	26,1
2,625	66,7	163,0	85,7	100,0	84,8	109,0	42,4	25,4	24,6	18,0	35,0	32,0	17,5	79,5	53,4	26,1
2,750	69,9	178,0	95,3	108,0	93,0	118,1	42,4	25,4	24,6	18,0	35,0	37,9	22,0	79,5	53,4	26,1
2,875	73,0	190,0	101,6	118,0	100,0	129,0	57,4	25,4	26,6	18,0	46,1	37,9	22,0	--	--	--
3,000	76,2	190,0	101,6	118,0	100,0	129,0	57,4	25,4	26,6	18,0	46,1	37,9	22,0	98,0	63,9	34,1
3,125	79,4	195,0	104,8	121,0	106,4	135,0	57,4	25,4	26,6	18,0	46,1	37,9	22,0	98,0	63,9	34,1
3,250	82,6	195,0	108,0	124,0	106,4	135,0	57,4	28	26,6	18,0	46,1	37,9	22,0	--	--	--
3,375	85,7	198,0	111,1	128,0	109,5	139,0	57,4	28	26,6	22,0	46,1	37,9	22,0	--	--	--
3,500	88,9	198,0	114,3	131,0	112,7	142,0	57,4	28	26,6	22,0	46,1	37,9	22,0	--	--	--
3,625	92,1	205,0	117,5	135,0	115,9	145,0	57,4	28	26,6	22,0	46,1	37,9	22,0	--	--	--
3,750	95,3	208,0	120,7	138,0	119,1	148,0	57,4	28	26,6	22,0	46,1	37,9	22,0	98,0	63,9	34,1
4,000	101,6	218,0	127,0	144,0	125,4	154,0	57,4	28	26,6	22,0	46,1	37,9	22,0	--	--	--

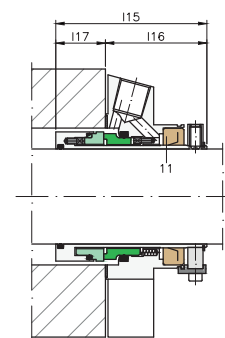
Dimensions subject to changes or modifications.

DIMENSIONS CHART

Dimensions in mm

Shaft		l ₁	l ₂	l ₃	l ₄	l ₁₂	l ₁₃	l ₁₄	l ₁₅	l ₁₆	l ₁₇	d ₃	d ₄ min.	d ₄ máx.	d ₅	d ₆
mm																
25	42,4	25,4	24,6	13,2	35,0	32,0	17,5	79,5	53,4	26,1	105	44	51,5	43	62	
28	42,4	25,4	24,6	13,2	35,0	32,0	17,5	79,5	53,4	26,1	105	47	52	46	62	
30	42,4	25,4	24,6	13,2	35,0	32,0	17,5	79,5	53,4	26,1	110	49	56	48	65	
32	42,4	25,4	24,6	13,2	35,0	32,0	17,5	79,5	53,4	26,1	110	51	57	49,8	67	
33	42,4	25,4	24,6	13,2	35,0	32,0	17,5	79,5	53,4	26,1	113	51	57	49,8	67	
35	42,4	25,4	24,6	13,2	35,0	32,0	17,5	79,5	53,4	26,1	123	54	61,5	53	70	
38	42,4	25,4	24,6	14,2	35,0	32,0	17,5	79,5	53,4	26,1	123	57	66	56	75	
40	42,4	25,4	24,6	14,2	35,0	32,0	17,5	79,5	53,4	26,1	133	59	68	58	75	
42	42,4	25,4	24,6	14,2	35,0	32,0	17,5	79,5	53,4	26,1	133	61,5	69,5	60,5	80	
43	42,4	25,4	24,6	14,2	35,0	32,0	17,5	79,5	53,4	26,1	138	61,5	70,5	60,5	80	
45	42,4	25,4	24,6	14,2	35,0	32,0	17,5	79,5	53,4	26,1	138	64	73	62,5	81	
48	42,4	25,4	24,6	14,2	35,0	32,0	17,5	79,5	53,4	26,1	148	67	75	65,6	84	
50	42,4	25,4	24,6	18	35,0	32,0	17,5	79,5	53,4	26,1	148	69	78	68	87	
53	42,4	25,4	24,6	18	35,0	32,0	17,5	79,5	53,4	26,1	148	73	87	72	97	
55	42,4	25,4	24,6	18	35,0	32,0	17,5	79,5	53,4	26,1	148	74	83	73	90	
60	42,4	25,4	24,6	18	35,0	32,0	17,5	79,5	53,4	26,1	157	79	91	78	102	
65	42,4	25,4	24,6	18	35,0	32,0	17,5	79,5	53,4	26,1	163	85,7	98,5	84,8	109	
70	42,4	25,4	24,6	18	35,0	32,0	17,5	79,5	53,4	26,1	178	95	108	93	118	
75	57,4	28	26,6	18	46,1	37,9	22,0	98,0	63,9	34,1	190	101,6	118	100	129	
80	57,4	28	26,6	18	46,1	37,9	22,0	98,0	63,9	34,1	195	108	124	106,4	135	
85	57,4	28	26,6	22	46,1	37,9	22,0	98,0	63,9	34,1	198	111,1	128	109,5	139	
90	57,4	28	26,6	22	46,1	37,9	22,0	98,0	63,9	34,1	205	117,5	135	115,9	145	
95	57,4	28	26,6	22	46,1	37,9	22,0	98,0	63,9	34,1	208	120,7	138	119,1	148	
100	57,4	28	26,6	22	46,1	37,9	22,0	98,0	63,9	34,1	218	127	144	125,4	154	

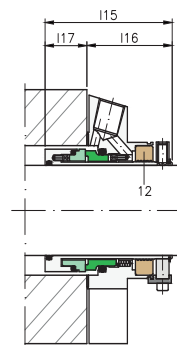
Dimensions subject to changes or modifications.



LSC40-FQO

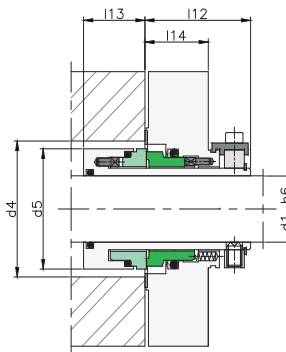
Single cartridge with connections for quench and flush between the faces, with a non-pressurised fluid. The quench fluid sealing is done through an oil seal.

For applications using fluids with scant lubrication.



LSC40-FQG

Single cartridge with connections for quench and flush between the faces, with a non-pressurised fluid. The quench fluid sealing is done through a throttle ring PTFE carbon-graphite reinforced.



LSC40

Single cartridge with no connections, for closed chamber applications in which no water recirculation is necessary. Applications: Clean fluids