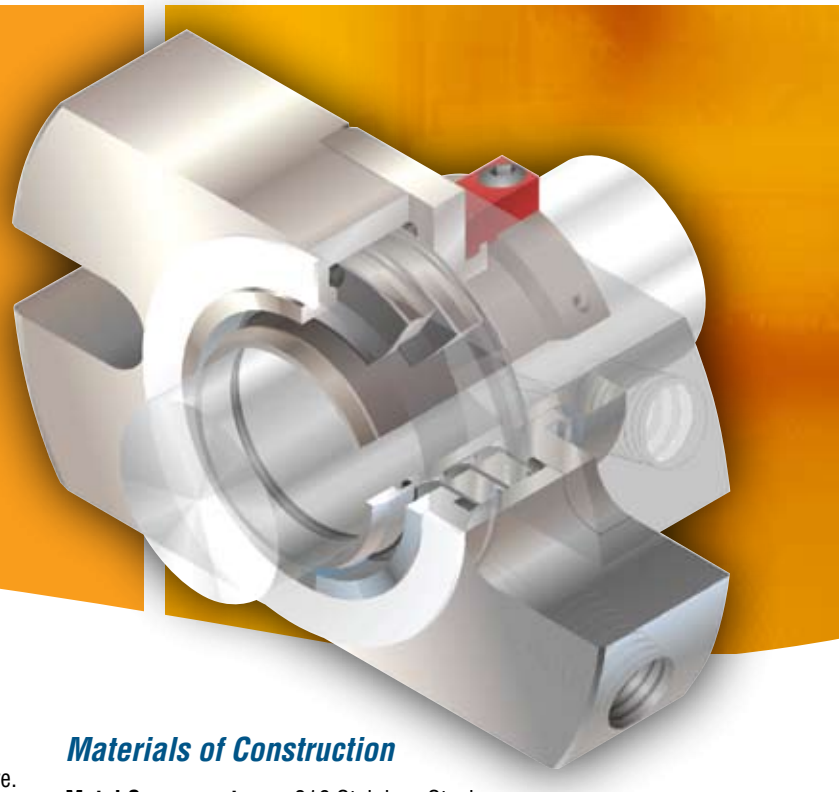
LS-300

Cartridge multiple dynamic lip seal

A cartridge multiple dynamic lip seal design for highly viscous applications in positive displacement and progressive cavity pumps. Designed to run dry without the need for an external flush or lubricating barrier fluid which can contaminate or dilute the process media. Preset cartridge design speeds installation and reduces the chance for installation error.



Features and Benefits

- Preset cartridge helps to eliminate seal setting errors.
- Triple lip design effectively seals process from atmosphere.
- Lip material designed for long dry running operation.
- Design is interchangeable between standard and Universal bracket Viking[1] pumps with just a gasket change.
- Standard barrier ports for optional leak detection or for an external fluid barrier when solidifying or polymerizing products are pumped.
- Easy to repair in the field with optional repair kit.

1 Viking Pump, Inc a Unit of IDEX Corporation

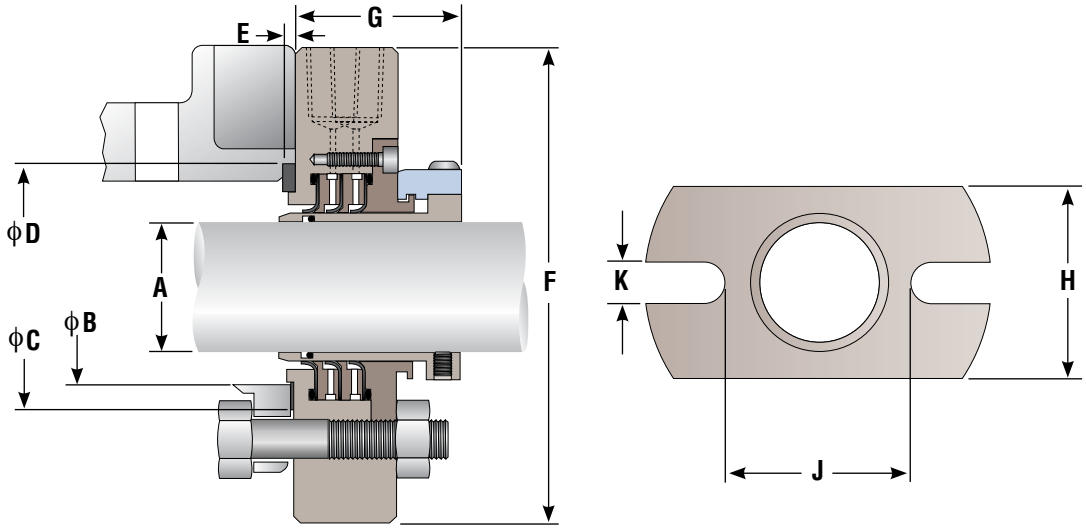
Materials of Construction

Metal Components	316 Stainless Steel
Rotor Sleeve Surface	Chrome Oxide
Dynamic Lips	Reinforced PTFE (standard) Food Grade (optional)
Gaskets	Fluoroelastomer, TFE-Propylene, Perfluoroelastomers, PTFE Encapsulated Fluoroelastomer

Operating Parameters

Pressure	up to 10 bar (145 psi)
Temperature	-53° to 149°C (-65° to 300°F)
Specific Gravity	0.45 and higher
Surface Speed	3.5 m/s dry (12 fps)
Shaft Sizes	400 to 60,000 SSU

(For higher viscosity, your Flowserve representative)



Dimensional Data *in millimeters*

A Shaft & Seal Size	B	C	D	E	F	G	H	J	K
0.750	34.93	41.28	41.28	1.600	76.20	43.43	41.28	44.20	7.950
1.125	50.80	63.50	63.50	1.600	101.6	46.99	57.15	61.93	12.70
1.375	53.98	71.12	71.12	1.600	132.0	48.77	73.15	69.85	12.70
1.437	55.27	71.12	68.25	3.175	132.0	46.02	73.15	69.85	12.70
1.500	57.15	88.90	88.90	0.787	111.1	43.94	n/a	98.43*	6.350*
1.625	60.33	69.98	69.98	1.600	120.7	54.10	76.20	69.85	12.70
1.875	70.05	81.08	81.08	1.600	149.2	52.43	108.0	81.79	11.13
2.125	79.38	95.25	95.25	1.600	165.1	53.64	101.6	139.7*	14.30*
2.250	82.55	95.25	95.25	1.600	133.4	53.59	n/a	108.0*	12.70*
2.437	76.20	103.4	113.8	3.175	170.2	52.07	112.8	122.8	17.48
2.500	76.20	103.4	113.8	3.175	170.2	52.07	112.8	122.8	17.48
2.953	111.99	124.5	124.5	6.350	169.9	58.42	136.5	150.1*	10.01*

in inches

B	C	D	E	F	G	H	J	K
1.375	1.625	1.625	0.063	3.000	1.710	1.625	1.740	0.313
2.000	2.500	2.500	0.063	4.000	1.850	2.250	2.438	0.500
2.125	2.800	2.800	0.063	5.200	1.920	2.880	2.750	0.500
2.176	2.800	2.687	0.125	5.200	1.812	2.880	2.750	0.500
2.250	3.500	3.500	0.031	4.375	1.730	n/a	3.875*	0.250*
2.375	2.755	2.755	0.063	4.750	2.130	3.000	2.750	0.500
2.758	3.192	3.192	0.063	5.875	2.064	4.250	3.220	0.438
3.125	3.750	3.750	0.063	6.500	2.112	4.000	5.500*	0.563*
3.250	3.750	3.750	0.063	5.250	2.110	n/a	4.250*	0.500*
3.000	4.070	4.480	0.125	6.700	2.050	4.440	4.835	0.688
3.000	4.070	4.480	0.125	6.700	2.050	4.440	4.835	0.688
4.409	4.900	4.900	0.250	6.688	2.300	5.375	5.906*	0.394*

*non-slotted gland ring

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