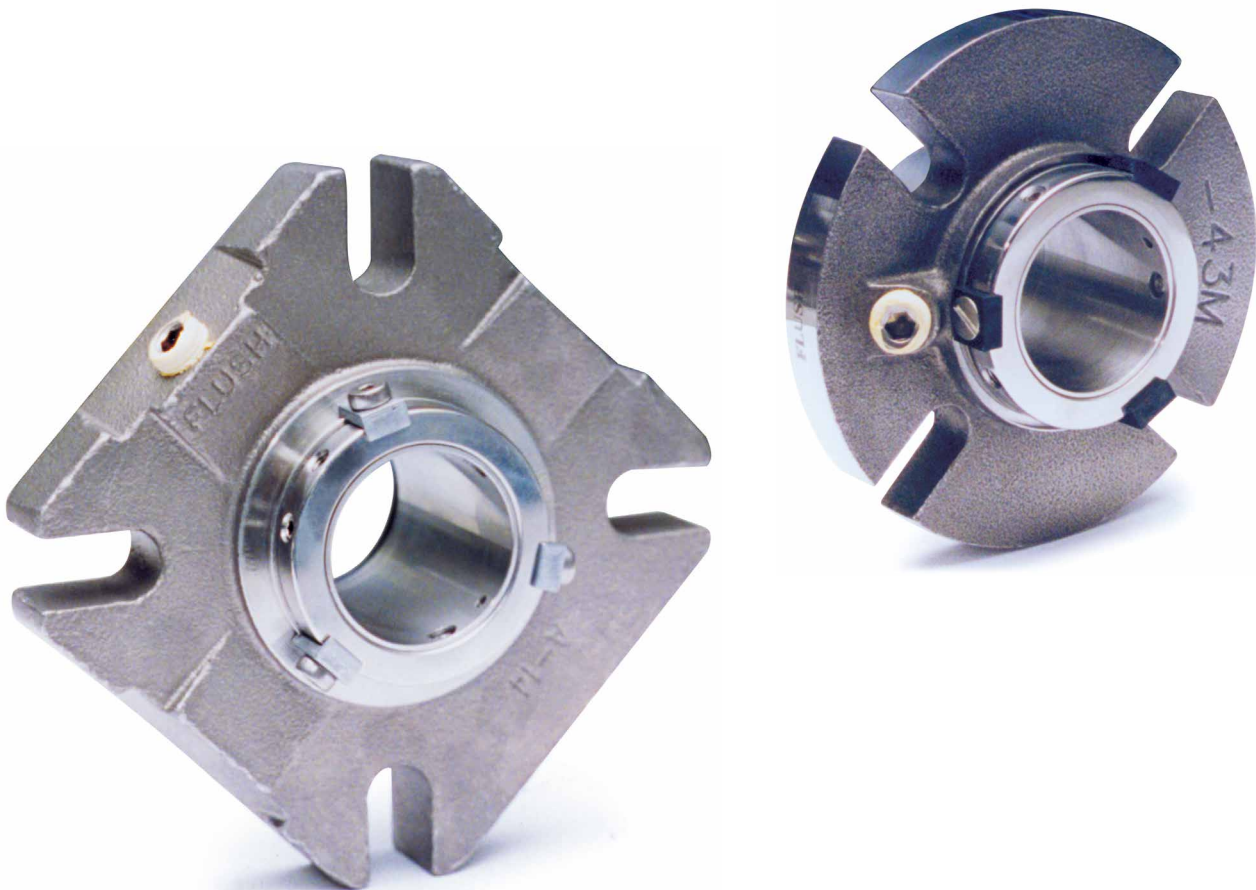


SEH1™ / SEA2™ / SET2™

Single Exotic Alloy Mechanical Seal with Flush



- Solid Exotic Alloy Cartridge Seal Range Offered in Alloy 20 or Alloy 276 Titanium Grade 2
- Solid Exotic Alloy Gland with Integral Flush
- Cartridge Designs Factory Assembled and Tested

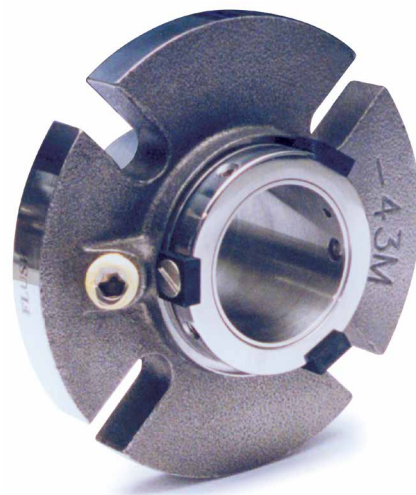
Standard Box Bore Single Mechanical Seal

SEA2™ / SEH1™ Standard / ANSI Box Bore

The SEA2™ and SEH1™ range of cartridge mechanical seals are specifically designed for the Chemical Industry.

This exotic alloy seal range, offered in Standard and ANSI+ gland configurations, are offered in solid Alloy 20 and Alloy 276 materials.

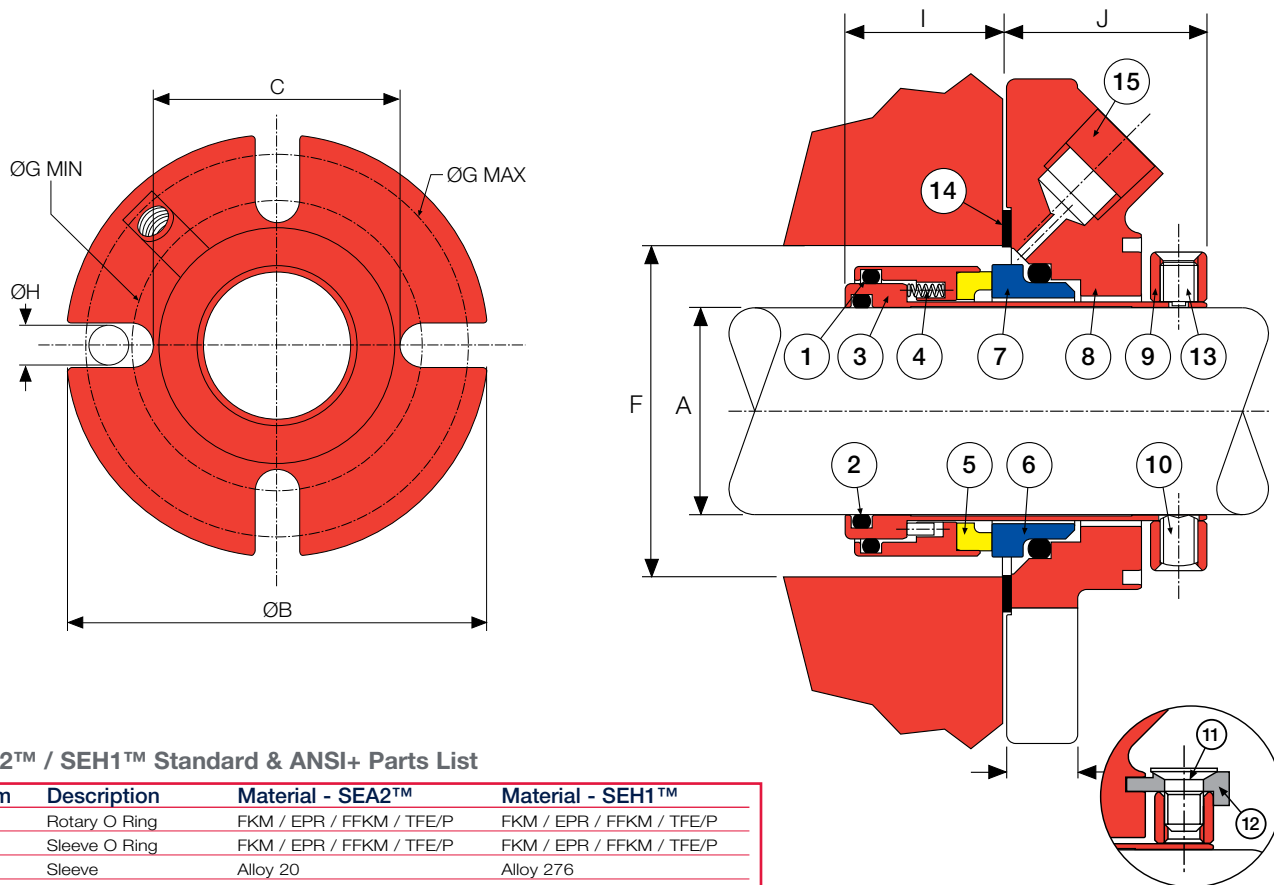
This inventoried seal range is therefore an ideal solution for some chemical applications, which require a single seal with process fluid flush.



Standard SEA2™ / SEH1™ - Dimensional Information (inches)

A	B	C	E	F Min	F Min†	F Max	G Min	G Max	H Max	I	J	K Max
1.125	4.250	2.312	0.492	1.750	1.790	2.062	2.875	3.750	1/2	1.055	1.354	0.040
1.375	4.375	2.625	0.492	2.000	2.040	2.250	3.125	3.875	1/2	1.055	1.354	0.040
1.750	5.250	3.000	0.644	2.500	2.540	2.625	3.562	4.750	1/2	1.090	1.393	0.040
1.875	5.500	3.312	0.644	2.625	2.665	3.000	3.875	5.000	1/2	1.090	1.393	0.040
2.125	5.750	3.687	0.644	2.875	2.915	3.312	4.375	5.125	5/8	1.150	1.413	0.040
2.500	6.250	4.187	0.644	3.375	3.435	3.687	4.875	5.625	5/8	1.199	1.413	0.060
2.625	6.250	4.187	0.644	3.500	3.560	3.750	4.875	5.625	5/8	1.199	1.413	0.060

Minimum bolt circle based on bolt size shown. † = F Min + K Max



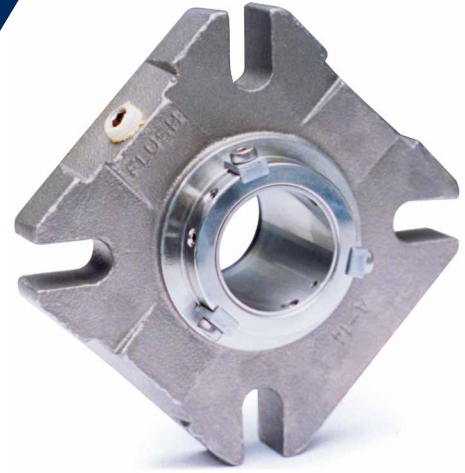
SEA2™ / SEH1™ Standard & ANSI+ Parts List

Item	Description	Material - SEA2™	Material - SEH1™
1	Rotary O Ring	FKM / EPR / FFKM / TFE/P	FKM / EPR / FFKM / TFE/P
2	Sleeve O Ring	FKM / EPR / FFKM / TFE/P	FKM / EPR / FFKM / TFE/P
3	Sleeve	Alloy 20	Alloy 276
4	Springs	Alloy 276	Alloy 276
5	Rotary Face	Alloy 20 - Carbon / TC / SiC	Alloy 276 - Carbon / TC / SiC
6	Stationary Face	TC / Ceramic / SiC	TC / Ceramic / SiC
7	Stationary O Ring	FKM / EPR / FFKM / TFE/P	FKM / EPR / FFKM / TFE/P
8	Gland	Alloy 20	Alloy 276
9	Clamp Ring	Alloy 20	Alloy 276
10	Drive Screws	Alloy 20	Alloy 276
11	Clip Screws	Stainless Steel	Stainless Steel
12	Setting Clips	Hard Plastic / Metal	Hard Plastic / Metal
13	Anti-tamper Screws	Stainless Steel	Stainless Steel
14	Gasket	AF1 / GFT	AF1 / GFT
15	1/4" NPT Port Plug	Alloy 20	Alloy 276

Large / ANSI+ Box Bore Single Mechanical Seal

SEA2™ / SEH1™ ANSI+ / Large Box Bore

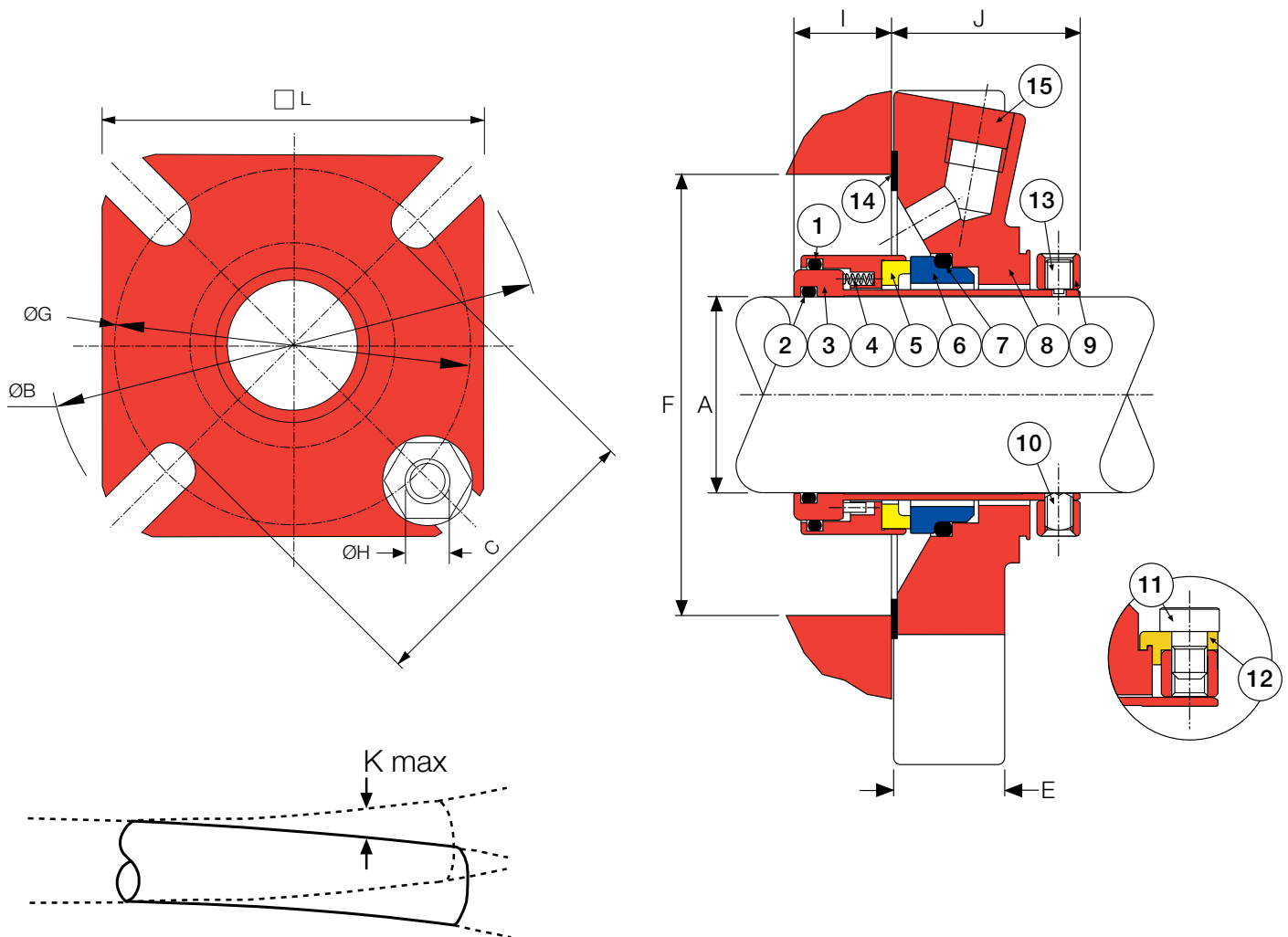
- Single cartridge seal with Alloy 20 or Alloy 276 components
- Balanced seal faces
- Springs out of the product
- Offered in standard box and large box gland configurations



ANSI+ SEA2™ / SEH1™ - Dimensional Information (inches)

A	B	C	E	F Min	F Max	G Min	G Max	H Max	I	J	K Max	L
1.125	5.000	3.188	1.000	2.625	2.850	3.750	4.250	0.500	0.805	1.604	0.040	3.990
1.375	5.375	3.438	1.000	2.875	3.100	4.000	4.625	0.500	0.981	1.429	0.040	4.240
1.750	6.750	4.438	0.644	3.500	4.100	5.000	6.000	0.500	0.842	1.640	0.040	5.480
1.875	6.750	4.438	0.644	3.625	4.100	5.000	6.000	0.500	0.847	1.640	0.040	5.480
2.125	7.625	4.688	0.644	3.875	4.225	5.375	6.687	0.625	0.920	1.640	0.040	6.230
2.500	8.250	5.438	0.644	4.500	5.100	6.125	7.312	0.625	0.755	1.857	0.060	6.730
2.625	8.250	5.438	0.644	4.625	5.100	6.125	7.312	0.625	0.755	1.857	0.060	6.730

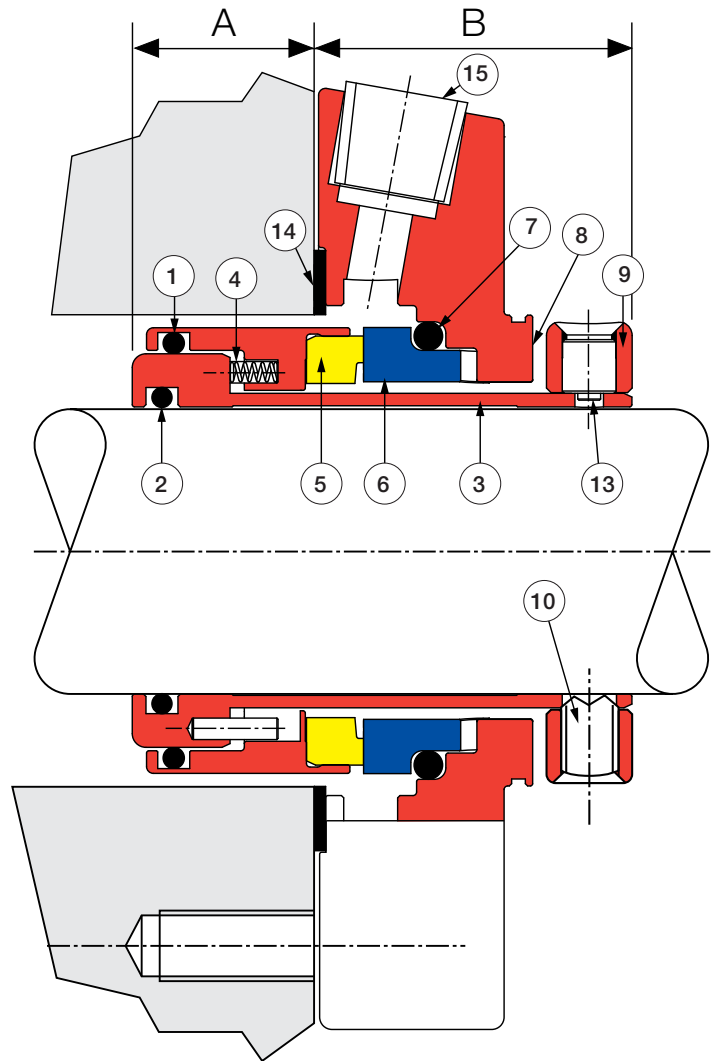
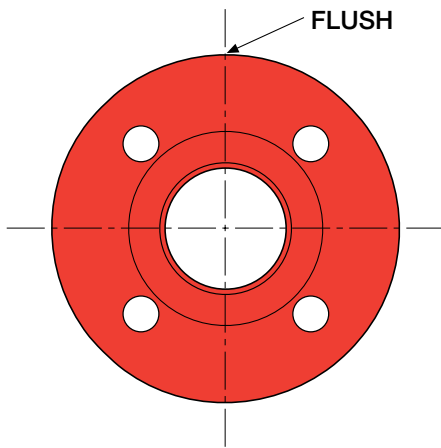
Minimum bolt circle based on bolt size shown.



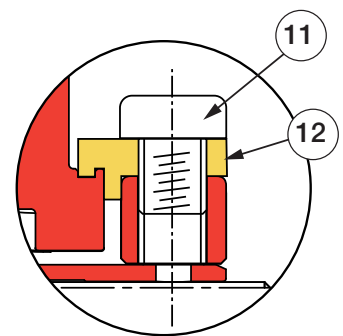
K Max = MAXIMUM TOTAL RADIAL MOVEMENT.

SET2 Cartridge Mechanical Seal

SEAL SIZE	A (min)	B*
24mm - 35mm	18.6mm	34.6mm
38mm - 50mm	20.2mm	35.6mm
53mm - 60mm	19.2mm	36.1mm
63mm - 70mm	21.4mm	36.1mm
1.000" - 1.375"	0.732"	1.362"
1.500" - 1.875"	0.796"	1.401"
2.000" - 2.375"	0.755"	1.422"
2.500" - 2.750"	0.843"	1.421"



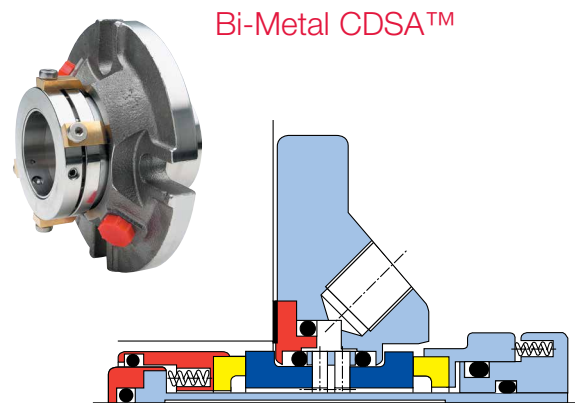
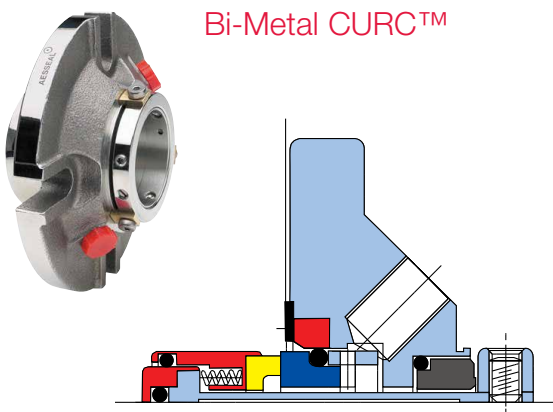
Item	Description	Material
1	Rotary O Ring	FKM / EPR / FFKM / TFE/P
2	Sleeve O Ring	FKM / EPR / FFKM / TFE/P
3	Sleeve	Titanium Grade 2
4	Springs	Alloy 276
5	Rotary Face	Titanium Grade 2 - Carbon / TC / SiC
6	Stationary Face	TC / Ceramic / SiC
7	Stationary O Ring	FKM / EPR / FFKM / TFE/P
8	Gland	Titanium Grade 2
9	Clamp Ring	Titanium Grade 2
10	Drive Screws	Titanium Grade 2
11	Clip Screws	Stainless Steel
12	Setting Clips	Hard Plastic / Metal
13	Anti-tamper Screws	Stainless Steel
14	Gasket	GFT
15	1/4" NPT Port Plug	Titanium Grade 2



Other Cartridge Seals for the Chemical Industry

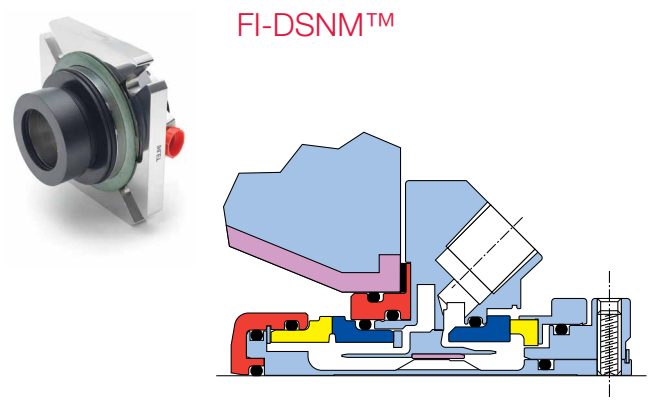
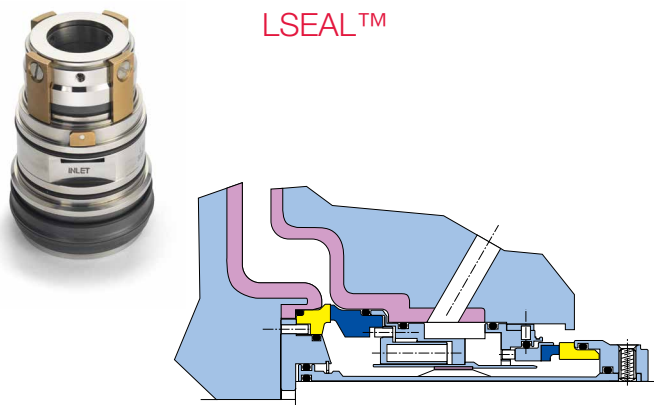
AESSEAL® offer a wide range of products for the chemical and associated industries. Some of these innovative products are shown below.

- Extensive inventory of exotic alloy components including Titanium, Alloy 20, Alloy 276 and Alloy 400
- Modular designs



World leading patented technology in exotic alloy wetted mechanical seals.

- Mechanical seals inventoried for P.F.A. lined and other non-metallic pumps
- Cartridge design for reliable installation
- Optional high purity wetted perfluoroelastomers



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