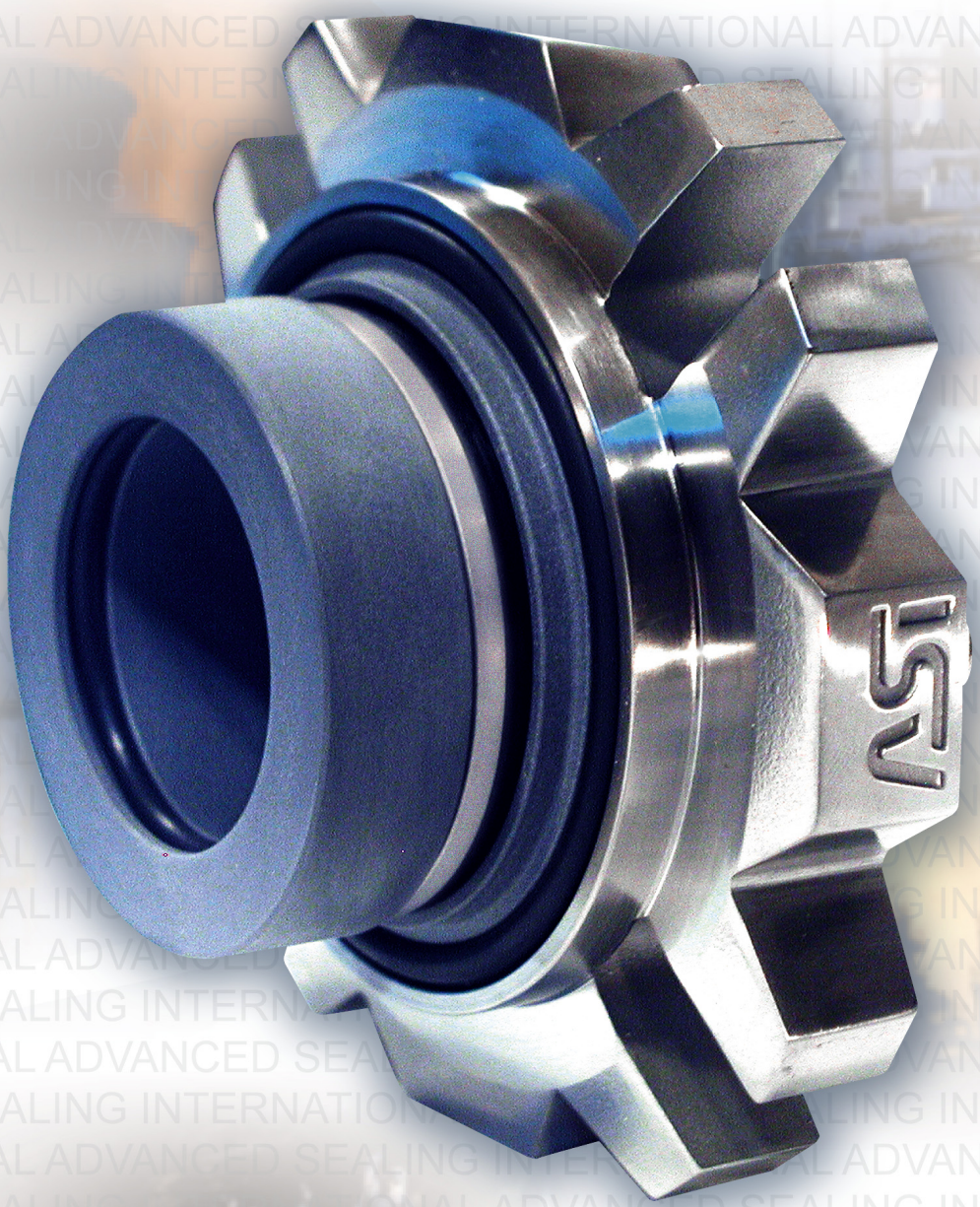
Model 724

Single Stationary Cartridge Mounted Seal

Redefining the Non-Metallic Seal



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ASI Model 724

Engineered for the evolving process needs of the 21st century, the **ASI Model 724** offers both enhanced corrosion resistance and superior seal performance. The unique "split-housing" design provides the strength and stability of metal parts where beneficial, while protecting the process liquid from metal contaminants. Advanced seal features like monolithic seal faces, isolated springs, and **ASI**'s patented Safe-T-Studs™ assure continuous, reliable service and optimal seal repairability. Remarkably, all of these benefits are incorporated into the proven stationary design that is the cornerstone of **ASI**'s mechanical seal success.

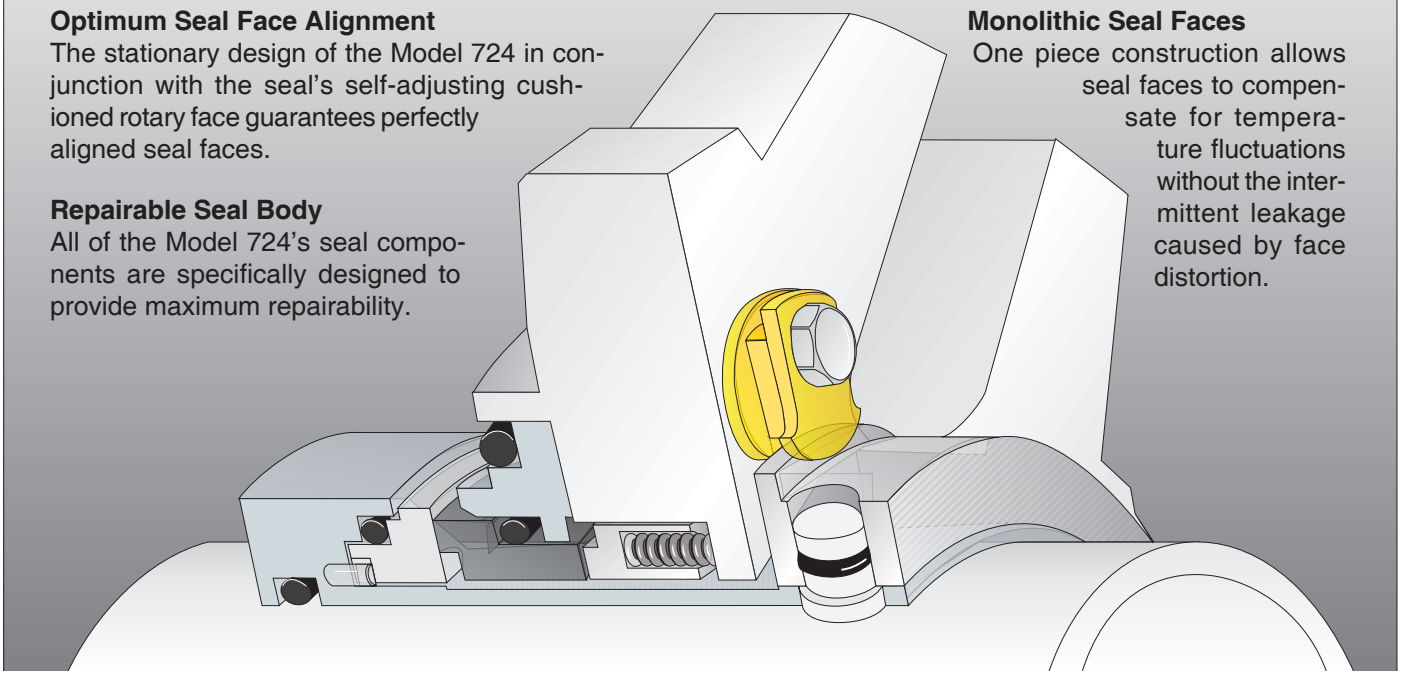
Non-Metallic Seal Trim
Fabricated from a high performance PPS composite material, the wetted seal components provide greater chemical resistance in a wide range of applications without any trace chemical contamination.

Metallic Seal Chassis
Removed from the product, the rigid metal gland plate and locking collar eliminate any flexing of seal parts (which causes face misalignment and limits seal repairability).

Optimum Seal Face Alignment
The stationary design of the Model 724 in conjunction with the seal's self-adjusting cushioned rotary face guarantees perfectly aligned seal faces.

Monolithic Seal Faces
One piece construction allows seal faces to compensate for temperature fluctuations without the intermittent leakage caused by face distortion.

Repairable Seal Body
All of the Model 724's seal components are specifically designed to provide maximum repairability.



MATERIALS OF CONSTRUCTION:

WETTED SEAL PARTS

Sleeve/Gland Insert- Polyphenylenesulfide Composite

NON-WETTED PARTS

Gland Frame/Lock Collar/Spring Cage- 316ss
Standard Springs- Hastelloy® C
Standard Set Screws- 316ss[1]

FACE MATERIALS

Stationary Face- High Quality Carbon Graphite[1]
Rotary Face- Silicon Carbide[1]

SECONDARY SEALS

Standard O-ring Materials- Viton®, EPDM or Aflas®[1]

[1]Other Materials May Be Specified

ADDITIONAL FEATURES:

ISOLATED MULTIPLE SPRINGS

Multiple heavy gauge Hastelloy® springs deliver uniform mechanical face load and are removed from the product to prevent clogging, corrosion and contamination.

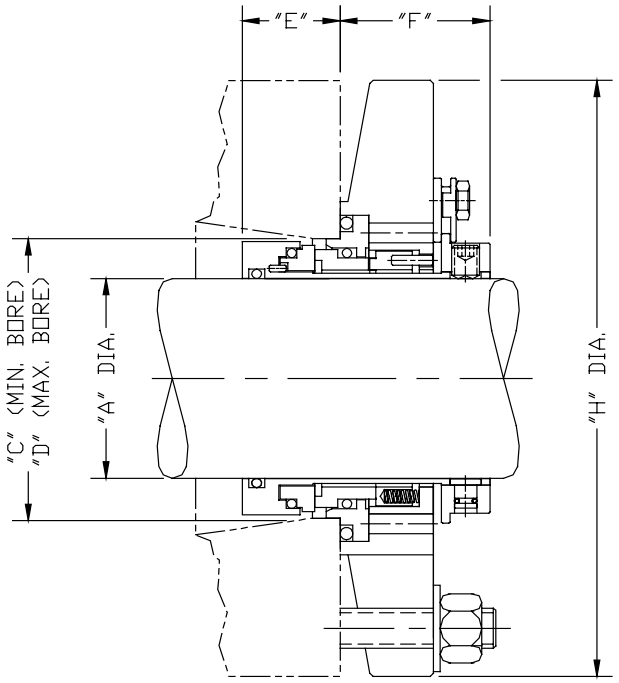
SAFE-T-STUD (Patent # 5,275,421)

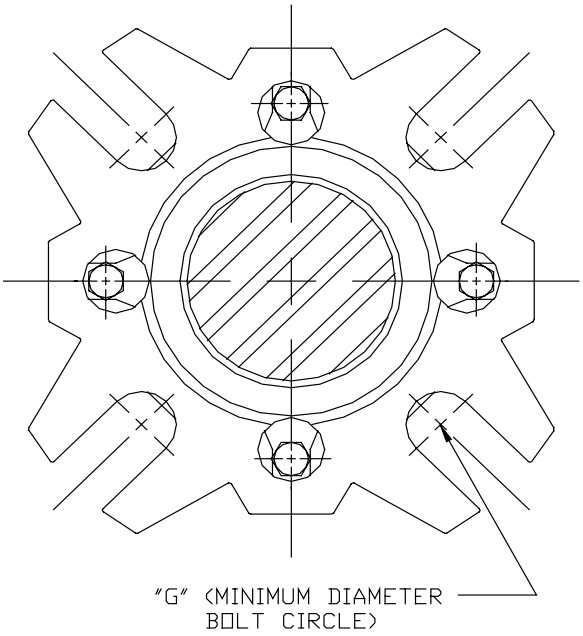
ASI's unique drive mechanism aids in precision alignment and transmits torque without causing set screw damage to the composite material sleeve.

INTERCHANGEABLE COMPONENT DESIGN

Wetted seal parts are easily removed and replaced, simplifying repairs and/or material upgrades in a "user-friendly" fashion.

Advanced Sealing International
Model 724 Dimensional Data





A	B	C	D	E	F	G			H
shaft/seal size	universal drawing #	minimum box bore	maximum box bore	inboard seal dim	outboard seal dim	minimum bolting			gland o.d.
						3/8"	1/2"	5/8"	
1.000	N04I16	1.750	1.875	0.88	1.35	2.75	NA	NA	4.15
1.125	N04I18	1.875	2.000	0.88	1.35	2.88	NA	NA	4.15
1.250	N04I20	2.000	2.125	0.88	1.35	3.00	NA	NA	4.15
1.375	N04I22	2.125	2.250	0.88	1.35	3.13	NA	NA	4.15
1.500	N04I24	2.250	2.375	0.88	1.35	3.56	3.69	NA	5.45
1.625	N04I26	2.375	2.500	0.88	1.35	3.56	3.69	NA	5.45
1.750	N04I28	2.500	2.625	0.88	1.35	3.56	3.69	NA	5.45
1.875	N04I30	2.625	2.750	0.88	1.35	3.69	3.82	NA	5.45
2.000	N04I32	2.750	2.875	0.88	1.35	3.88	4.00	4.13	5.94
2.125	N04I34	2.875	3.000	0.88	1.35	3.94	4.06	4.19	5.94
2.250	N04I36	3.000	3.125	0.88	1.35	4.06	4.19	4.32	5.94
2.375	N04I38	3.375	3.500	0.99	1.35	4.38	4.50	4.63	6.44
2.500	N04I40	3.500	3.625	0.99	1.35	4.50	4.63	4.75	6.44
2.625	N04I42	3.625	3.750	0.99	1.35	4.63	4.75	4.88	6.44
2.750	NA	3.875	4.125	OVERALL 2.500		TO FIT			TO FIT
2.875	NA	4.000	4.250	OVERALL 2.500		TO FIT			TO FIT
3.000	NA	4.125	4.375	OVERALL 2.500		TO FIT			TO FIT

4/7/2003