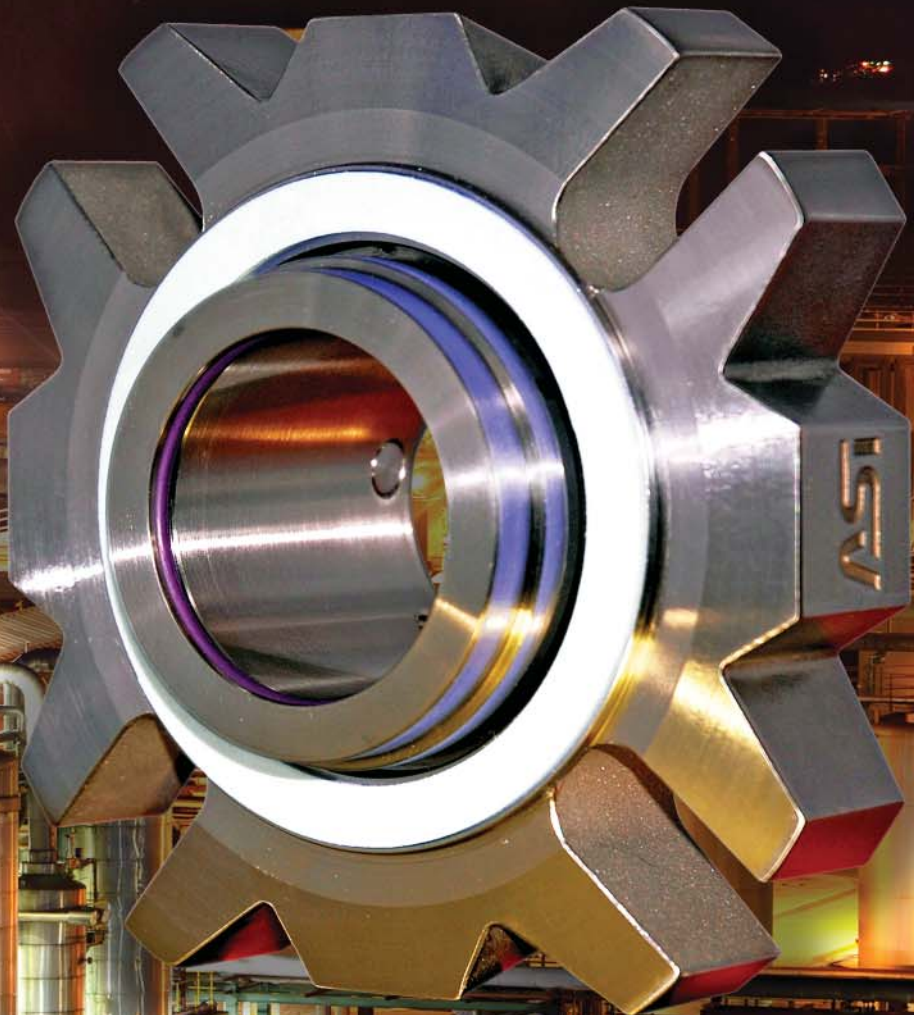


The Evolution
Of Mechanical
Seal Design

MODEL
731

Advanced Sealing International



www.asi-seals.com



ASI Model 731

The **ASI Model 731** provides a superior, low-cost alternative to the “throw-away seals” currently flooding the seal market. The operating length of the **Model 731** has been reduced, thereby strengthening the seal parts (to run at higher pressures) and allowing easier fits into stuffing boxes. This updated seal design also utilizes a stress-resistant, universal slotted gland plate (equipped with a flush port) to provide additional strength while accommodating an even greater range of equipment. The self-adjusting rotary face, combined with the stationary design and advanced hydraulics of the seal, guarantees unmatched seal face alignment and consequently, longer seal life. Simply put, the **Model 731** is a smarter seal design at a very competitive price, built with the quality construction the **ASI** name has come to represent.

Stress-Resistant Gland Plate

Eliminates bending tendency which can result in seal face misalignment, gasket leakage and “jamming” of seal components. **ASI's** unique gland plate shape is designed to fit a wide variety of bolting patterns and does not interfere with stuffing box features or flush connections as many round gland plates do.

Optimum Seal Face Alignment

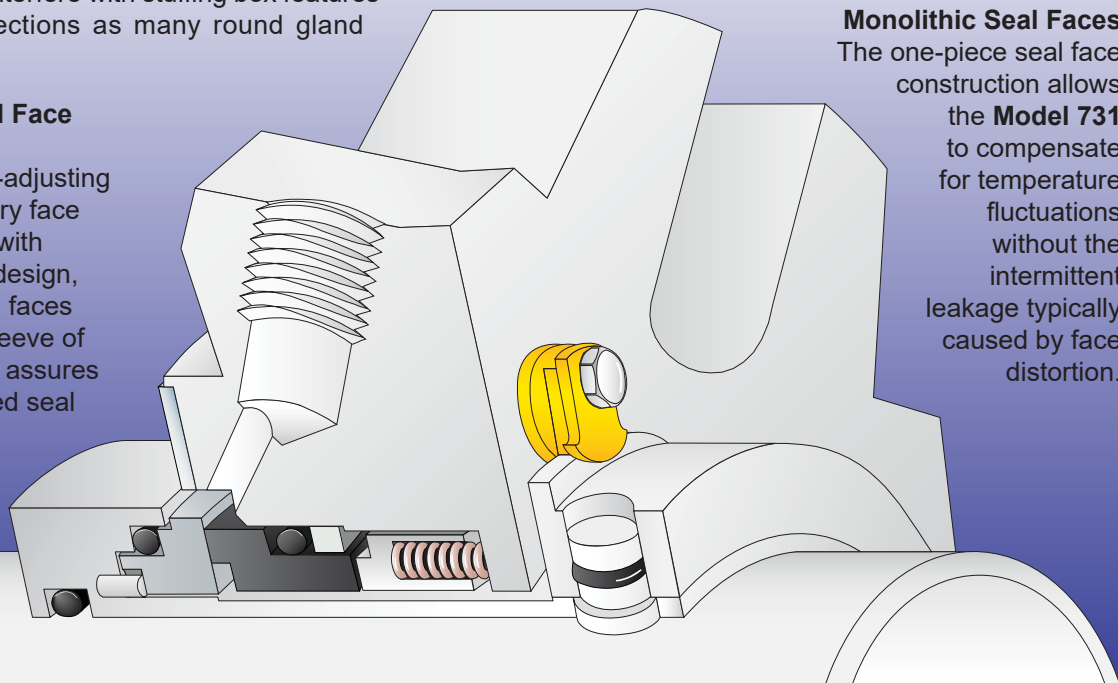
The seal's self-adjusting cushioned rotary face in conjunction with the stationary design, monolithic seal faces and unibody sleeve of the **Model 731** assures perfectly aligned seal faces.

Unibody Sleeve Construction

The advanced machining techniques utilized to create the one-piece sleeve provide optimum concentricity and perpendicularity for absolute squareness to the pump shaft.

Monolithic Seal Faces

The one-piece seal face construction allows the **Model 731** to compensate for temperature fluctuations without the intermittent leakage typically caused by face distortion.



MATERIALS OF CONSTRUCTION:

METAL PARTS

Gland Plate, Sleeve, Lock Collar,
Spring Cage- 316ss
Standard Springs- Hastelloy® C
Standard Set Screws- 316ss

FACE MATERIALS

Stationary Face- High Quality Carbon Graphite
or Silicon Carbide
Rotary Face- Silicon Carbide or Tungsten Carbide

SECONDARY SEALS

Standard O-ring Materials- Aflas®

ADDITIONAL FEATURES:

HANDY-CAM™ ASSEMBLY DEVICE

Protects against installation damage with the ease of one-step disengagement. Aligns and protects the seal both axially and radially.

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 typical to most seals.

Hastelloy is a trademark of Hayes Int'l, Inc., Aflas is a trademark of Asashi Glass Co., Ltd.