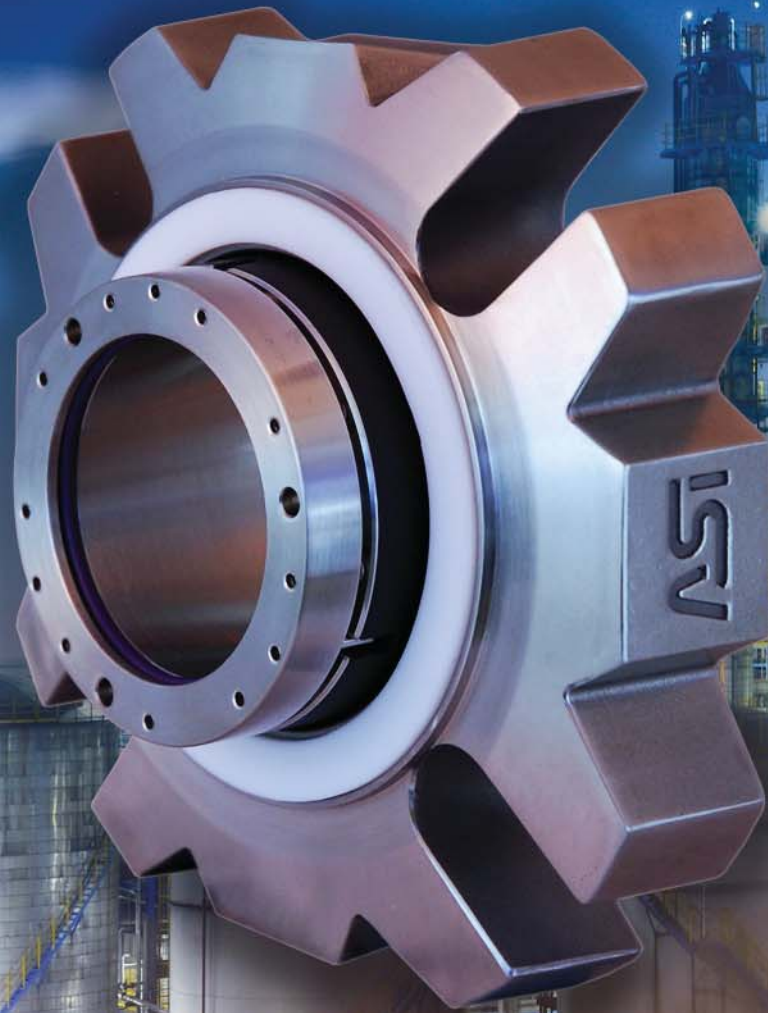


Rugged, Reliable  
Service For  
Special Applications

MODEL  
525

Advanced Sealing International



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# ASI Model 525

Initially developed to successfully tackle the many sealing difficulties associated with boiler feed and hot water applications, the **Model 525** has become a veritable workhorse in the **ASI** product arsenal. The rugged monolithic seal faces are incorporated into a cartridge mounted, rotary-type design to provide superior recovery properties and compensate for temperature and pressure fluctuations. Equipped with self-cleaning spring holes and a self-aligning stationary face, the simplicity and strength of the design make it ideally suited for the often underestimated challenges presented by boiler feed/hot water applications, intermittent services or any applications plagued by variations in operating parameters.

## Compact Cartridge Mounted Design

The self-contained unit provides simplified installation as mechanics are not required to make critical installation measurements. Also, impeller clearance adjustments can be made without any interruptions in service; the cartridge mounted design makes disassembly of the pump to make such adjustments unnecessary.

## Flush Inlet

Directs liquid to seal faces and eliminates entrapped air in vertical applications.

## Self-Cleaning Spring Hole Design

Specially designed spring holes allow pumping action to clean springs as the seal rotates.

## Monolithic Seal Faces

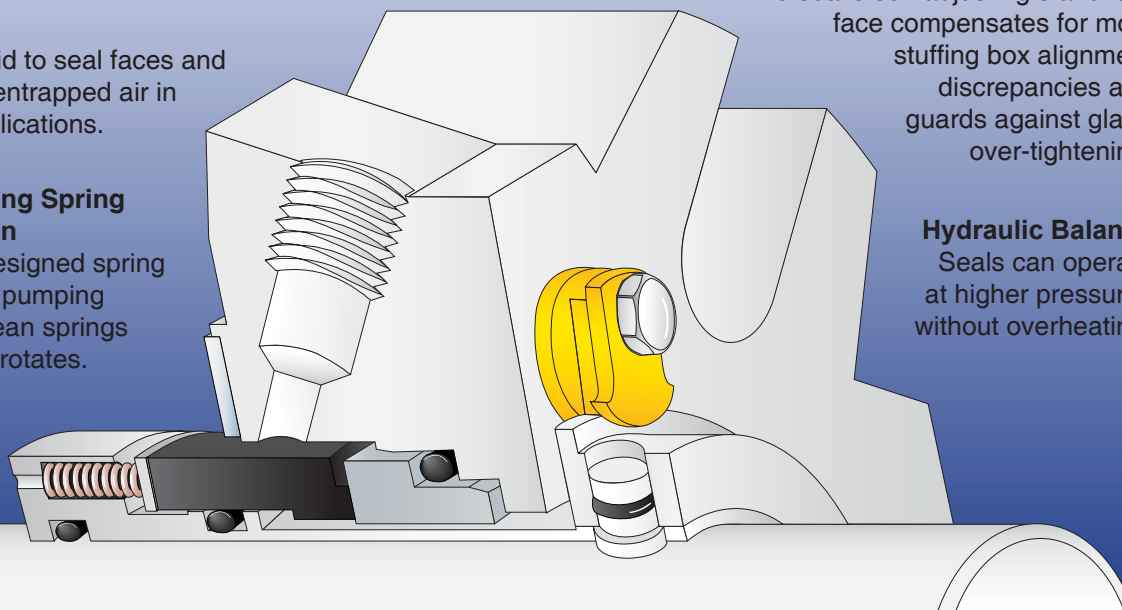
One piece construction allows seal faces to compensate for temperature fluctuations without the intermittent leakage caused by face distortion.

## Self-Aligning Stationary Face

The seal's self-adjusting stationary face compensates for most stuffing box alignment discrepancies and guards against gland over-tightening.

## Hydraulic Balance

Seals can operate at higher pressures without overheating.



## MATERIALS OF CONSTRUCTION:

### METAL PARTS

Gland, Washer, Lock Collar- 316ss  
Standard Springs- Hastelloy® C  
Standard Set Screws- 316ss

### FACE MATERIALS

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

### 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 loading preventing uneven face wear.

### 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.*