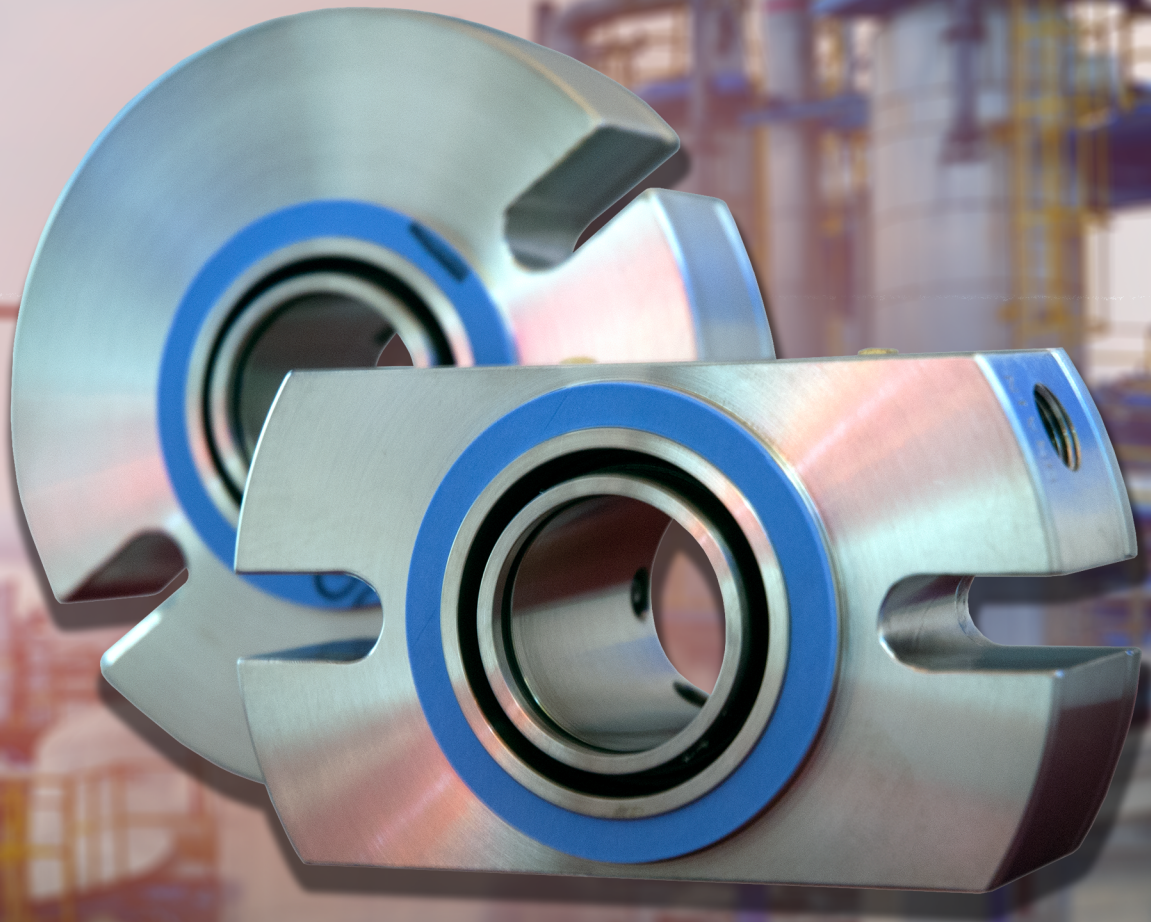




# CLS SERIES

## Cartridge Mounted Multi-Lip Seals

Advanced Sealing International



The ASI CLS seal series features two self-contained, cartridge mounted multi-lip seal designs, the CLS-200 and CLS-300. The superior quality Flexilip™ PTFE lip seals incorporated into the CLS designs deliver unsurpassed sealing performance for high viscosity, temperature dependent products typical to positive-displacement pumps. The CLS seal sleeve is protected with a chrome-oxide coating to create an optimum sealing surface while safeguarding equipment and increasing seal reparability. The elimination of seal faces and springs in the CLS prevents problematic clogging and binding, and also allows for dry-run service without an external flush.

# ASI CLS SERIES

The CLS series was specifically designed to operate in high viscosity applications such as latex, resins, sealants and varnish. The exclusion of any springs (and inclusion of only one wetted o-ring) allows the CLS series to seal thick viscous fluids without seizing or binding and provides excellent chemical compatibility. By utilizing high-performance Parker Flexilip® dual lip seals, the CLS seals successfully tackle these demanding applications, including dry-run service, where the operating conditions normally exceed the capabilities of multi-spring seal components.

## Compact Design

Fits a variety of equipment including most positive displacement pumps

## CLS-200

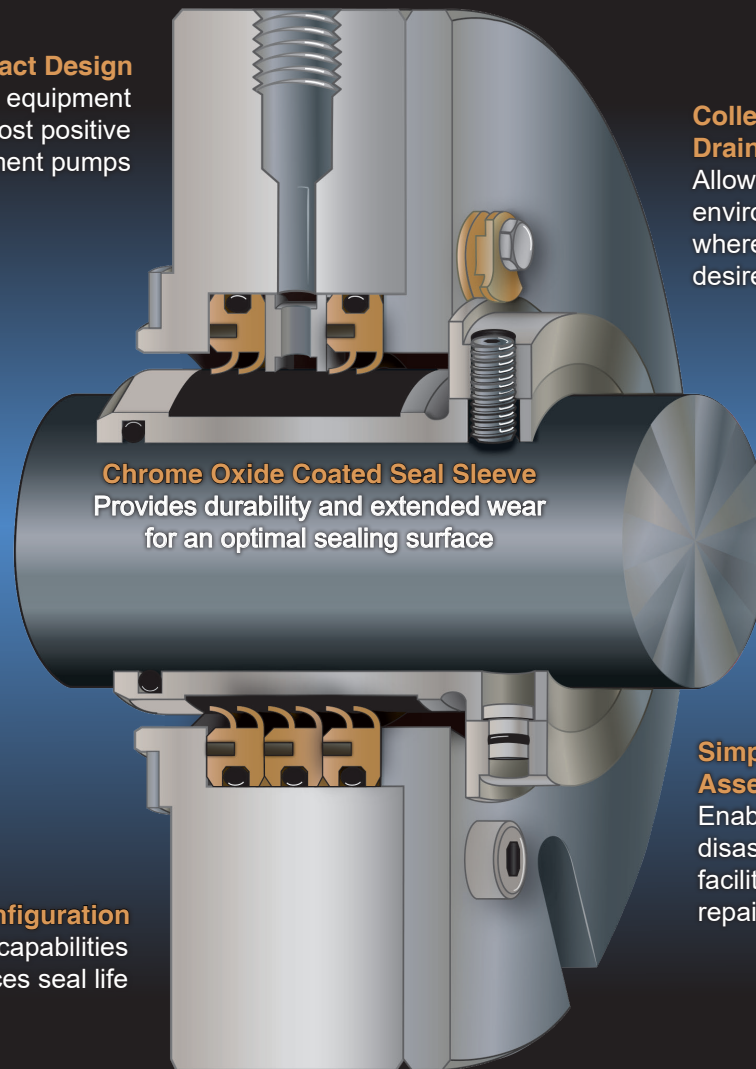
The Model CL-200 is designed with (2) PTFE dual lip seals, a collection ring and drainage port in the gland plate.

## CLS-300

The Model CL-300 is configured with (3) PTFE dual lip seals for extended service with minimal replacement parts.

## Triple Lip Seal Configuration

Increases performance capabilities and enhances seal life



## Collection Ring/ Drainage Port

Allows additional environmental options where indicated or desired

**Chrome Oxide Coated Seal Sleeve**  
Provides durability and extended wear for an optimal sealing surface

## Simplified Gland Assembly

Enables easy seal disassembly to facilitate in-field repairs

## MATERIALS OF CONSTRUCTION:

### METALLIC SEAL PARTS

Sleeve- 316ss/Chrome Oxide  
Glands, Lock Collar, Collection Ring (CL200)- 316ss  
Set Screws- 416ss Heat-Treated Knurled or 316ss<sup>1</sup>

### LIP SEAL MATERIALS

Graphite Filled PTFE with Viton®<sup>1</sup>

### SECONDARY SEALS

Standard O-ring Materials- Viton®, EPDM or Aflas®<sup>1</sup>

## 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.

### 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.

<sup>1</sup>Other Materials May Be Specified