

## CARTRIDGES



### S1 SINGLE CARTRIDGES

- One of the industry's most aggressively priced stationary cartridges
- Easy cartridge installation
- Stationary multiple spring design
- Springs isolated from product
- Hydraulically balanced design
- Flush connection standard
- Vent and Drain connections upon request
- Big Bore gland alternatives
- User friendly setting clips



### D2PR DOUBLE CARTRIDGES

- For critical, toxic and non-lubricating fluids
- Pumping ring standard
- Stationary multiple spring cartridge design
- Easy cartridge installation
- ANSI pump-compatible
- Springs protected from the product
- Compensates for pressure reversals
- Inboard silicon carbide vs. silicon carbide face combination is standard
- The industry's only double cartridge seal with three identical monoitric silicon carbide faces

## WELDED METAL BELLOWS



**WB 400:**  
**Retainer:** 316 SS; Core: Hast C; Hub: 316SS

**WB 450:**  
**Retainer:** 316 SS; Core: AM350; Hub: 316SS

**WB 500:**  
**Retainer:** Hast C; Core: Hast C; Hub: Hast C

- Static "O" ring - no shaft fretting
- Self cleaning plates
- Single piece construction
- No springs to clog
- Fits into narrow cross section pumps



**WB 800:**  
**Retainer:** Alloy 42; Core: Heat treated Am 350; Hub & Housing; 316SS

- Static Grafoil Packing, No O rings
- Temperatures to 800 deg F
- Self cleaning plates
- No springs to clog
- Balanced design - 300 PSI without modification
- Fits into narrow cross section pumps



### S1WBC CARTRIDGE

- Easy cartridge installation
- Static "O" rings - No shaft fretting
- Universal gland design conforms to most common bolt circles
- Fits all ANSI pumps
- Self cleaning plates
- Balanced design - 300 PSI without modification
- Fits into narrow cross section pumps

## MULTI SPRING COMPONENT SEALS



**A91:**  
PTFE  
WEDGE  
DESIGN



**CP1:**  
ORING DESIGN WITH  
DRIVE LUGS/  
SPRINGS OUT OF THE  
PRODUCT



**ARO**  
RUGGED ORING  
DESIGN



**ACX:**  
OUTSIDE SEAL FOR  
CORROSIVE  
APPLICATIONS



**A8T:**  
ORING DESIGN



**CP8:**  
ORING DESIGN WITH  
MONOLITHIC FACE /  
SPRING OUT OF THE  
PRODUCT



**A8TB & A9TB**  
BALANCED DESIGN  
FOR HIGH PRESSURE

## SINGLE SPRING COMPONENT SEALS

- Most common seal designs in the world
- Bellows design helps compensate for face wear
- Seals are Bi-directional
- Torque of pump shaft drives through drive band and notches
- Rugged single spring construction
- Standard on variety of pump designs
- Multiple face and elastomer choices
- Single "O" Ring designs - A 157



**ALL STANDARD "PS" NUMBERS AVAILABLE**

# AMERICA'S LARGEST METRIC SEAL INVENTORY

## SINGLE SPRING RUBBER BELLOWS



ES100



ES120



ES130



METRIC TYPE 21'S

## TAPERED SPRING COMPONENTS



ES320



ES370



ES378



ESAR



ESFN

## WATER PUMP SEALS

## ESWW: FLYGT PUMP SEALS



## MACHINED/ENGINEERED COMPONENTS

From 10 mm to 100 mm, **Cardon Sales Company** has access to the most comprehensive on-hand inventory of metric seals in North America.

*Seals for most foreign pumps are available*



ES790



ES502



ES58 & ES59

### SEATS

All common style seats in stock from 0.375" to 4.750"

- Silicon Carbide
- Tungsten Carbide
- Hardened Stainless
- Ceramic
- Carbon



CUP



"L" SHAPE



"T" SHAPE



"O" RING GROOVE



BLOCK

Special Shapes always available

### METRIC SEATS

ALL MATERIALS - ALL METRIC SIZES



MS50 Cup Mount



MS60 Cup Mount



MS44 "O" Ring



MS66 "O" Ring



MS99 "O" Ring



MS13 "O" Ring

## MECHANICAL PACKING

A-12



X Braided Pure PTFE with Graphite

A-78L



Lubricated PTFE

A-35



Exfoliated Graphite Yarn

- All standard packing styles available
- GFO
- Valve Packing
- Ring Sets
- Cut and Sheet Gaskets



EZ-Pak Injectable packing



AJS Joint Sealant

## SEAL SERVICE CENTER

- Repair of **all seal styles** regardless of manufacturer
- Precise **attention to detail**, and years of technical seal repair **experience**
- Diverse domestic and international **sourcing network** minimizes costs and shortens lead times
- Reassembly to original **OEM specifications**
- Precision seal **surface lapping** to 2-3 lightbands
- **Ultrasonic** cleaning



Pressure tests to assure field success



Detailed breakdown and reassembly to like new conditions.



All brands repaired



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