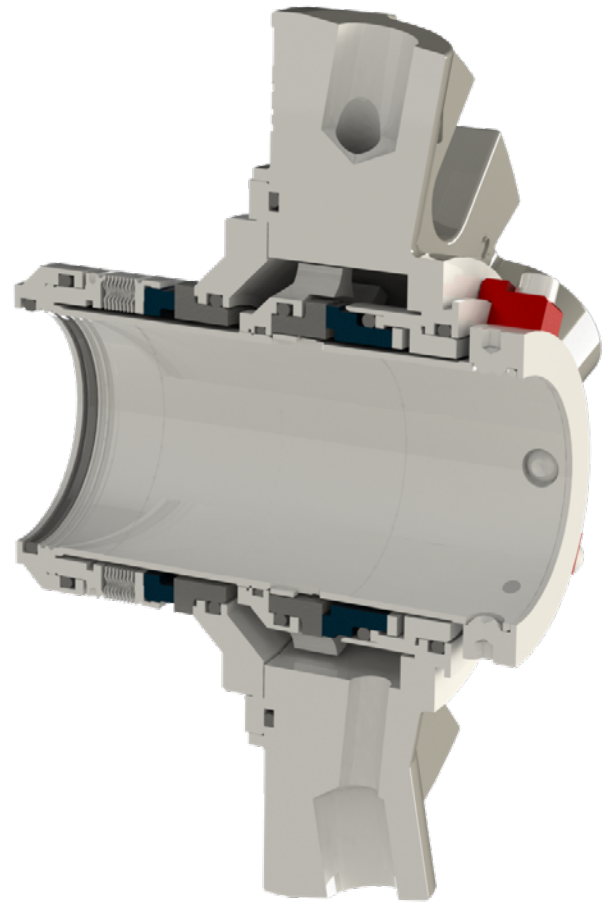


# VDRBSMS / VBDRBSMS

## ANSI / INDUSTRIAL HYBRID WELDED METAL BELLOWS AND MULTI-SPRING DUAL MECHANICAL SEAL

### FEATURES

- Simple cartridge seal installation
- Innovative Hybrid design with Rotating Welded Metal Bellows Primary Seal and Stationary Multi-Spring Secondary
- Cost effective solution to challenging applications that requires Welded Metal Bellows
- Sleeve is isolated from process fluid
- 3/8" NPT barrier connection allows for cooling
- Vantage dual seal glands include four (4) barrier in and out connections for maximum piping flexibility
- Angled gland connections allow for easier pipe fitting
- Setting clips provide positive axial and radial setting of the Vantage cartridge seal to ensure proper seal installation. The Vantage setting clips are easy to access for simple removal
- Only one Allen wrench required to tighten screws and remove the setting clips



### Materials of Construction

Rotating Seal Face	Carbon, Tungsten Carbide, Sintered Silicon Carbide
Stationary Seal Face	Sintered Silicon Carbide
Bellows	Hastelloy® C276
Metallurgy	316 SS
Elastomers	Viton®, Ethylene Propylene, Aflas®, Buna, Neoprene, Perfluorelastomer
Gland Gasket	Glass-Filled Teflon™
Throttle Bushing	Glass-Filled Teflon™

### Operating Parameters

Temperature	400° F (200°C)
Pressure	300 PSI (20 Bar)
Speed	6000 FPM

\* Maximum temperature/speed/pressure/runout indicates operating extremes independently and does not imply the seal will function at these extremes at the same time.

#### Registered Trademarks:

Viton® - Dupont Performance Elastomers; Aflas® - Asahi Glass Co.; Teflon® - E.I. Dupont de Nemours and Co; Hastelloy® - Haynes International, Inc.

# VANTAGE TANDEM CARTRIDGE FEATURES

## DESIGN FEATURES & BENEFITS

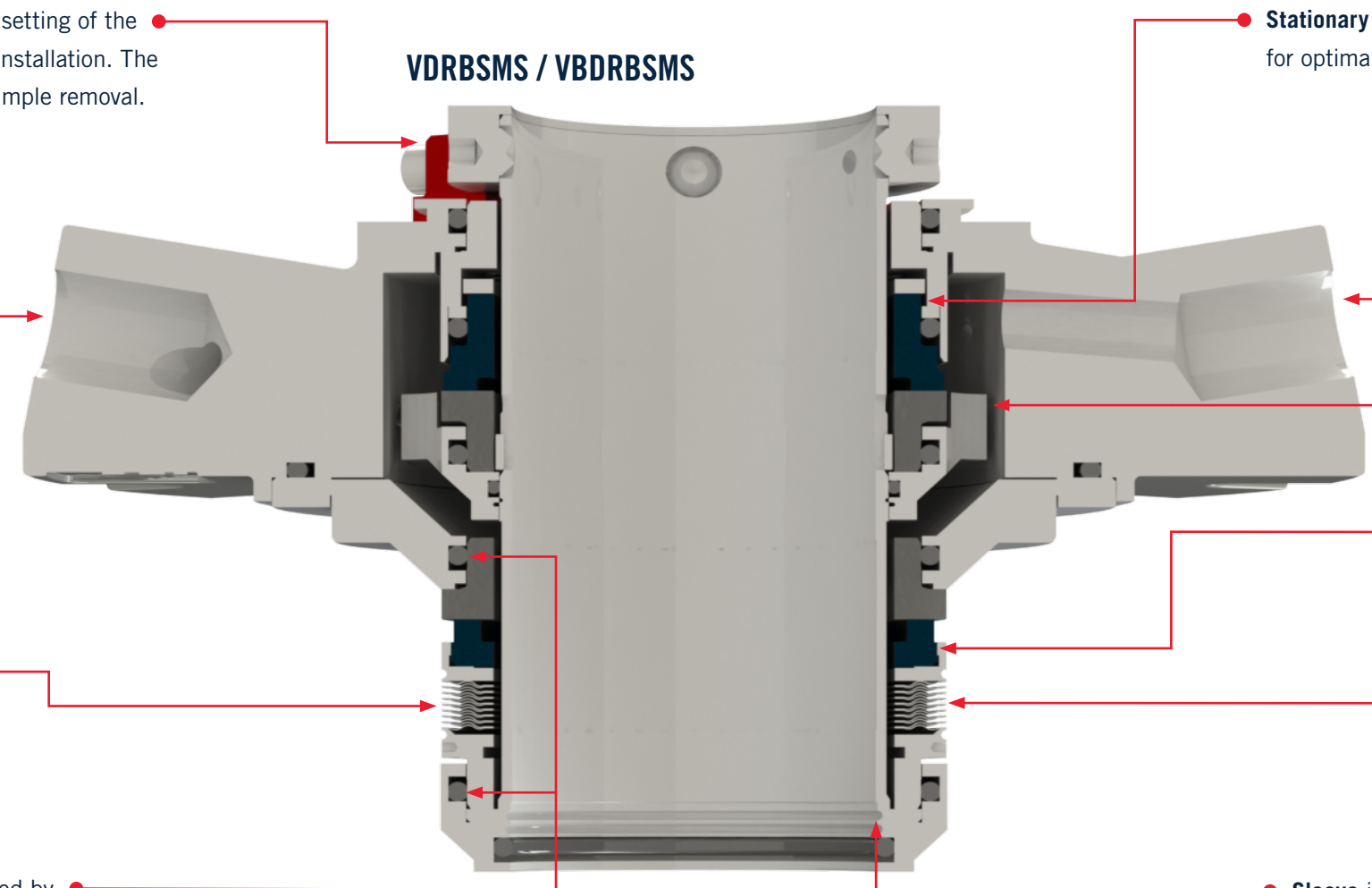
**Setting Clips** provide positive axial and radial setting of the Vantage cartridge seal to ensure proper seal installation. The Vantage setting clips are easy to access for simple removal.

**3/8" NPT Barrier Connections** can be pumped at 12/6 o'clock or 3/9 o'clock positions.

**Innovative Hybrid design** with Rotating Welded Metal Bellows Primary Seal and Stationary Multi-Spring Secondary

**Welded Metal Bellows** primary seal with no dynamic elastomers that can hang up the seal faces

**Static Elastomers** eliminate seal failures caused by dynamic O-ring "hang up" and offers cost savings when upgrading to Perfluorelastomers.



**Stationary Multi-Spring Secondary Seal** for optimal face alignment

**Angled Gland Connections** allow for easier pipe fitting

**Optimized Pumping Ring** for enhanced seal lubrication and temperature Control rotating face.

**Uniform 360° Transfer of Torque** uses centrifugal force for self-cleaning.

**Rotating Design** uses centrifugal force for self-cleaning

**Sleeve** is isolated from process fluid.