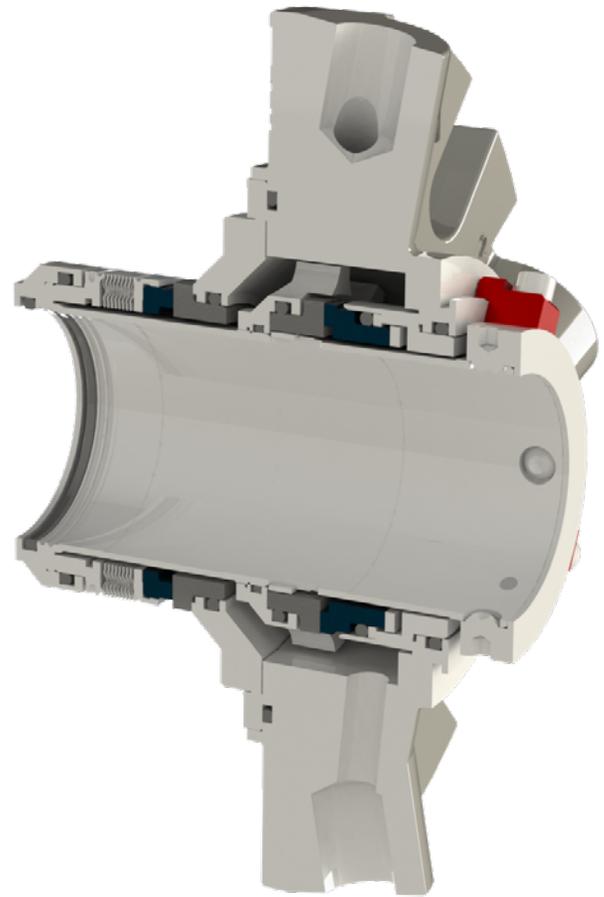


VDRBSMS / VBDRBSMS

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

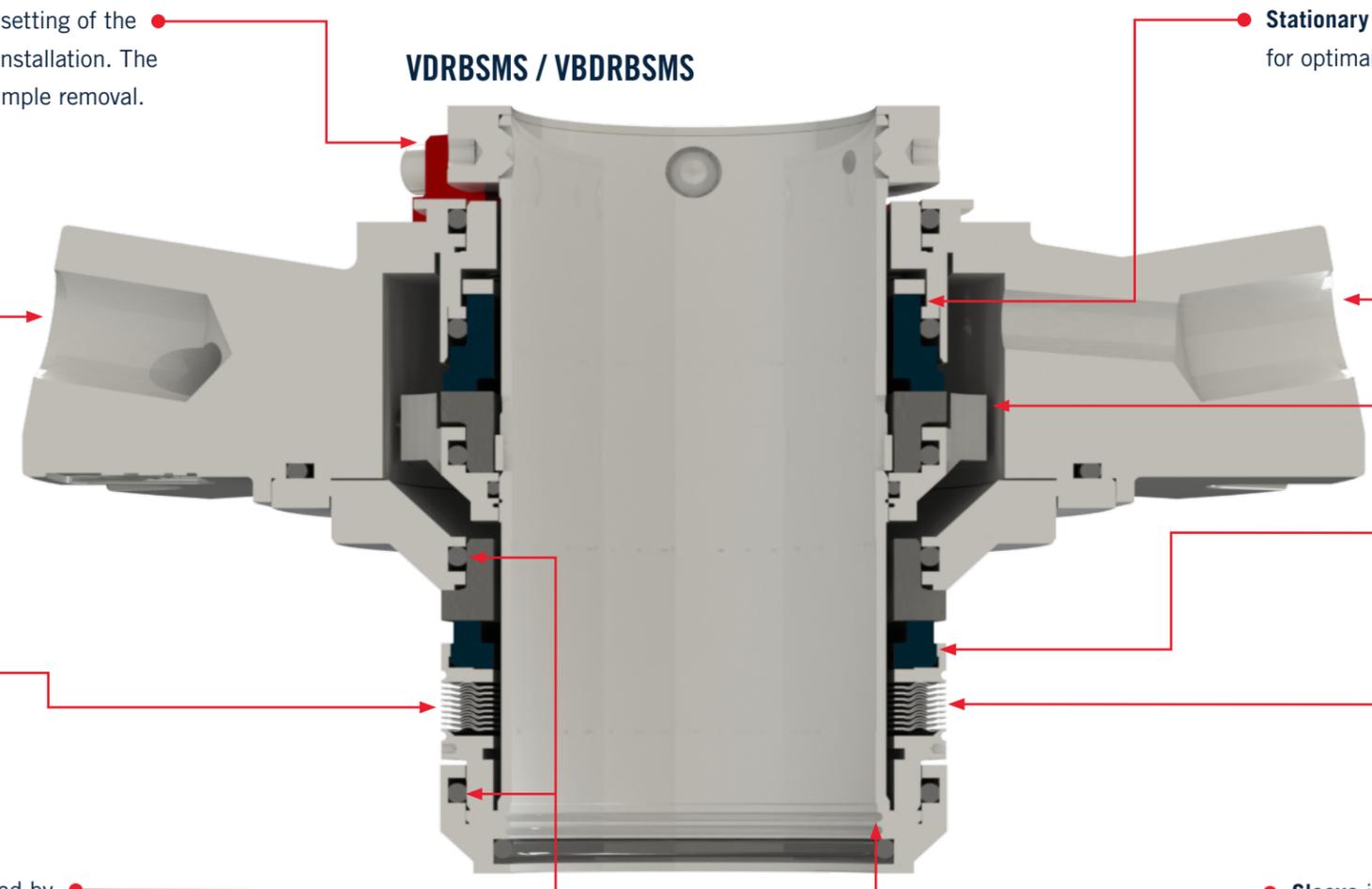
Setting Clips provide positive axial and radial setting of the Vantage cartridge seal to ensure proper seal installation. The Vantage setting clips are easy to access for simple removal.

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.