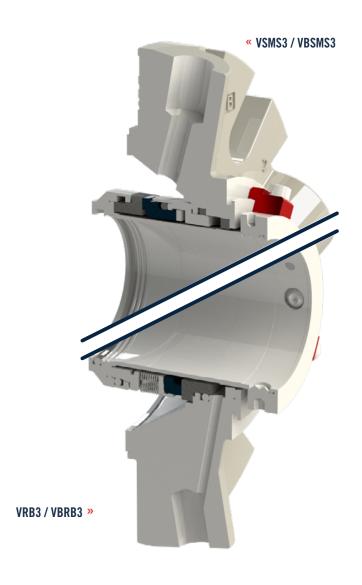


VANTAGE SINGLE CARTRIDGE SEAL FEATURES

ANSI MULTI-SPRING AND WELDED METAL BELLOWS MECHANICAL SEAL

PRODUCT LINE FEATURES

- Simple cartridge seal installation
- · Sleeve is isolated from process fluid
- 3/8" NPT flush connection allows for cooling and venting of seal.
- 1/4" NPT vent and drain connections provide differential sizing to minimize the potential of improper piping
- Non-sparking throttle bushing is positively retained to avoid pressure blow out, minimizing leakage in the event of seal failure.
- Vantage seal glands include flush, vent, and drain connections and a close-clearance, non-sparking throttle bushing to direct any leakage to the drain connection.
- Flush, vent, and drain connections available to be piped at multiple locations.
- 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.
- Convertible gland design to accept over four (4) design configurations



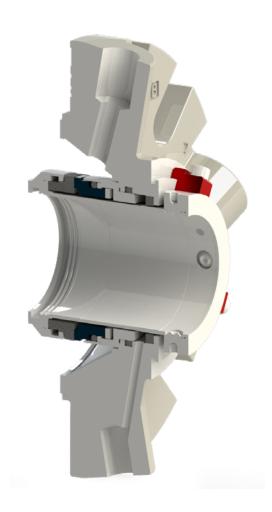


VSMS3 / VBSMS3

ANSI STATIONARY MULTI-SPRING SINGLE CARTRIDGE MECHANICAL SEAL

FEATURES

- Stationary springs isolated from process fluids to minimize corrosion, clogging
- Flat Drive System eliminates face drive pins enhancing face stability and reducing face fractures
- Dynamic Drive Ring eliminates primary face hang up and reduces face to pin fretting
- Dynamic elastomer moves on non-metallic, smooth surface eliminating fretting
- · Stationary design for optimal face alignment
- Available in ANSI Big/Taper and Standard Bore



Materials of Construction

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

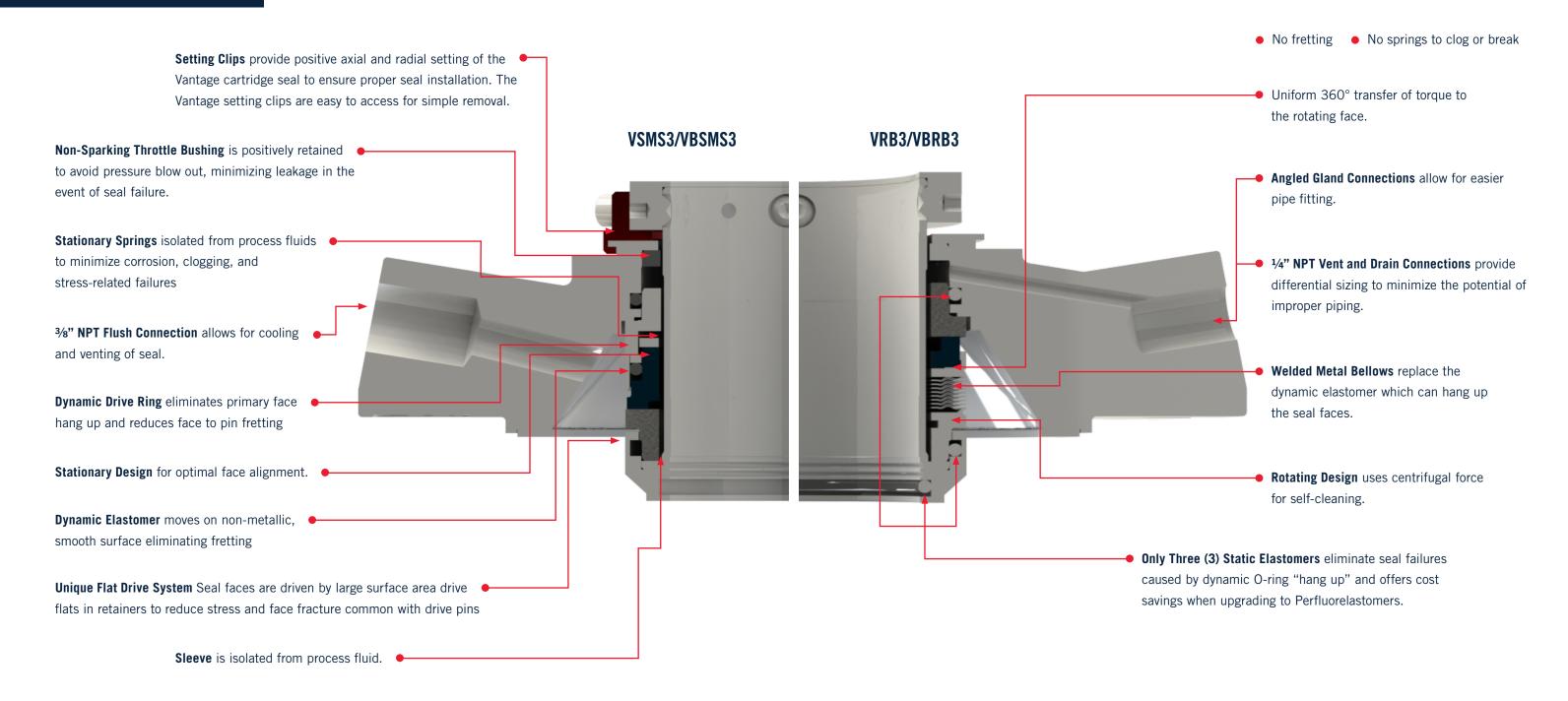
Operating Parameters

Temperature	400° F (200°C)
Pressure	300 PSI (20 Bar)
Speed	4500 FPM



VANTAGE SINGLE CARTRIDGE FEATURES

DESIGN FEATURES & BENEFITS



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