

HEAVY DUTY ROTATING METAL BELLOWS CARTRIDGE SEAL

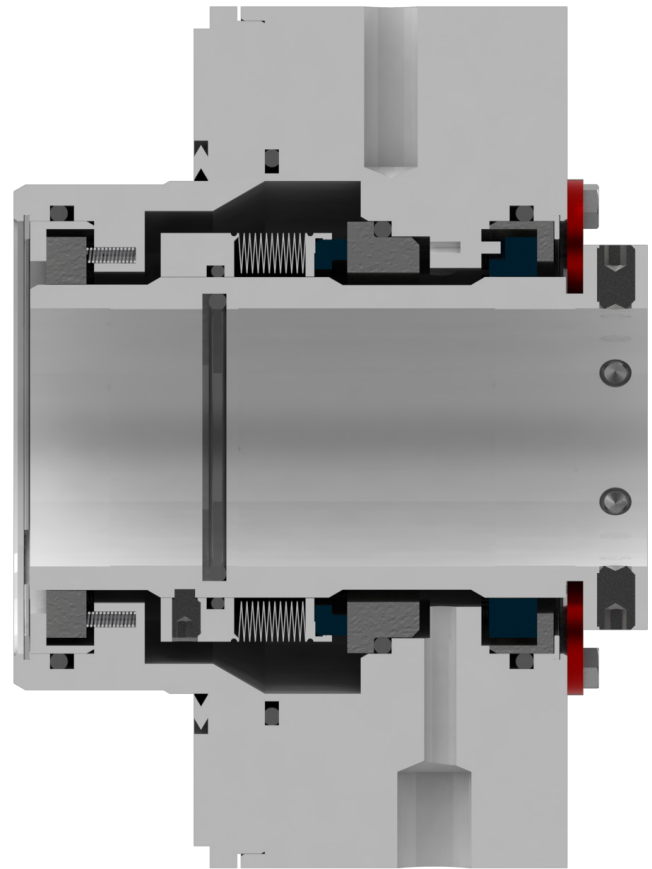
For Medium Temperature and Dirty Critical Services

The Flexaseal Style 53 cartridge seal is specifically designed for ruggedness and durability to withstand higher temperature or dirty services. The rotating bellows is self-cleaning for greater reliability in dirty services.

Multiple bellows materials available based on process conditions and fluids. Double Ply bellows designs for higher pressures, up to 600 psig (41 bar).

Static elastomers throughout for elimination of o-ring abrasion and energized face hang up.

The Style 53 cartridge seal is uniquely customizable to your specific application requirements. API 682 Compliant options are also available.



MATERIALS OF CONSTRUCTION

| | |
|----------------------------|---|
| Faces | Antimony Impregnated Carbon, Nickel Bound Tungsten Carbide, Sintered Silicon Carbide, Graphite Loaded Silicon Carbide |
| Welded Bellows | AM350HT, Inconel 718™, Hastelloy C-276™. Single and Double-Ply bellows options available. |
| Gland Bushings | Bronze, Carbon |
| Lantern Ring | PTFE |
| Standard Metallurgy | 316 SS with low-expansion Alloy 42 retainer. Other material options available, please consult Flexaseal. |

OPERATING PARAMETERS

| | |
|---------------------|--------------------|
| Max Temp | 550°F (288°C) |
| Max Pressure | 600 psig (41 bar) |
| Max Speed | 4,500 FPM (23 m/s) |

*Max Temperature / pressure / speed indicate operating extremes independently and do not imply the seal will function at these extremes at the same time. Contact Flexaseal if in doubt.

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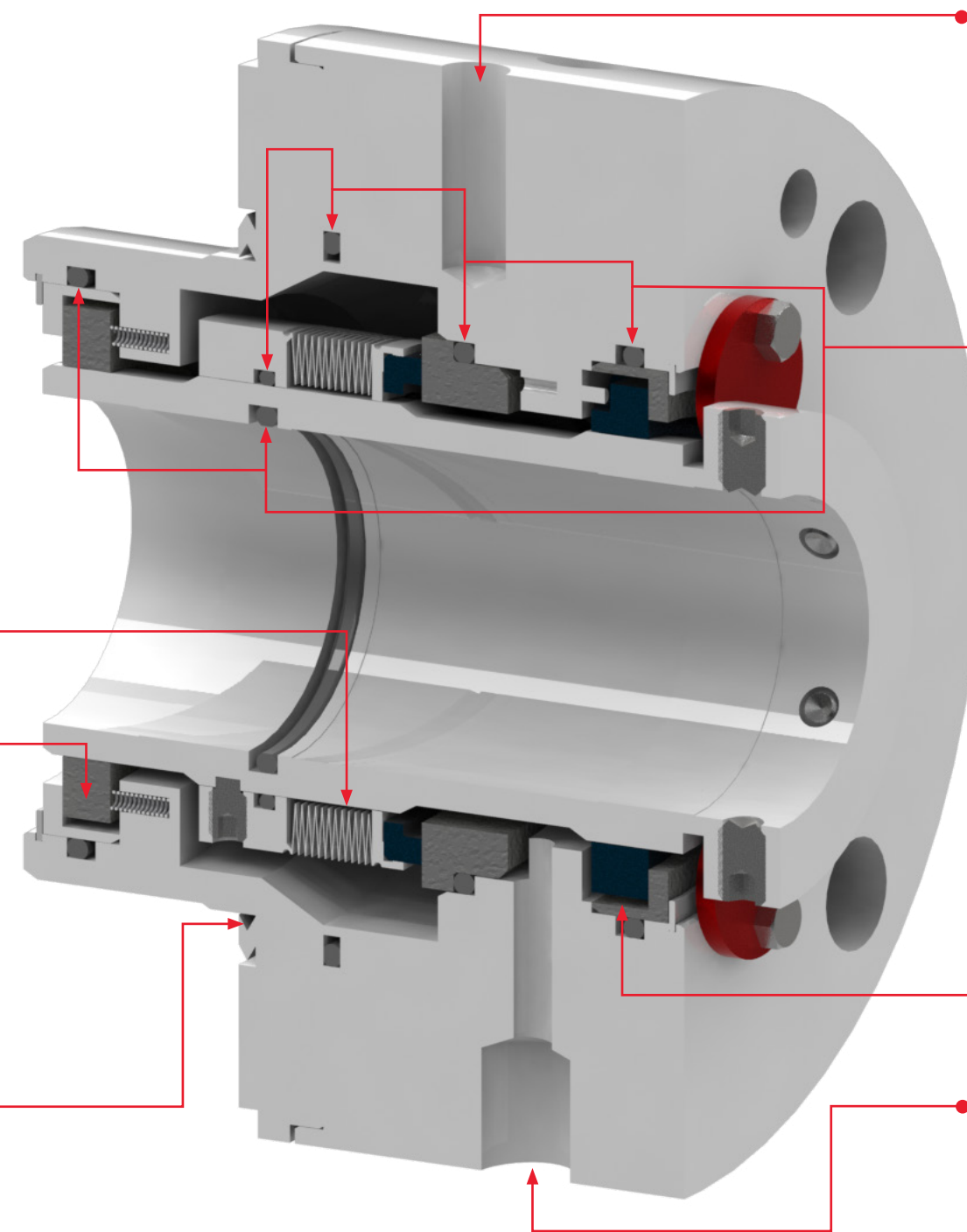
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DESIGN FEATURES & BENEFITS

Proven high performance nesting ripple bellows design.

Optional Inboard Floating Bushing for enhanced particulate control.

Piloted gland with confined gasket to prevent blow out or extrusion.



Flush, Vent, Drain and Quench Ports Standard.

All Static Elastomers for elimination of o-ring abrasion and energized face hang up.

Optional Outboard Floating, Fixed or Segmented Bushing for leakage control.

Flush, Vent, Drain and Quench Ports Standard.