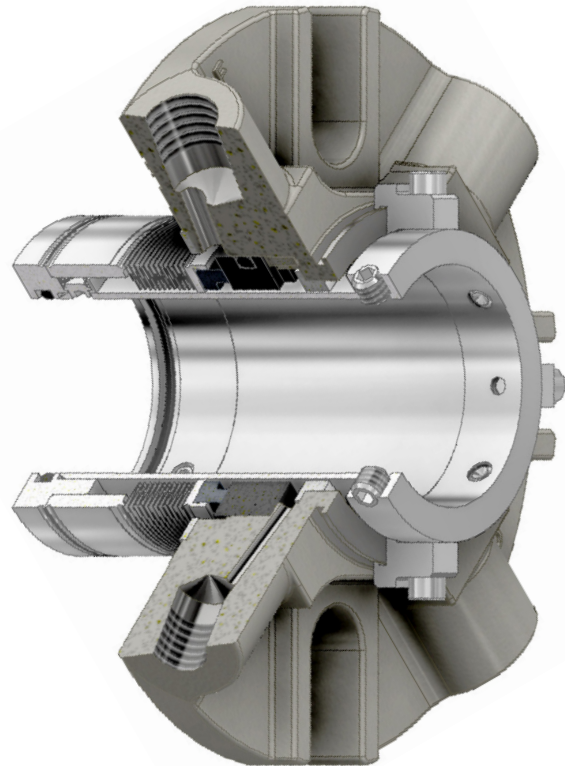


FOR HEAT TRANSFER FLUID AND OTHER MODERATE HIGH TEMPERATURE APPLICATIONS

The Flexaseal Style RBHT was specifically designed to offer unmatched performance for mid-range high-temperature applications. This economically-priced seal is ideal for controlling processes that involve heat transfer fluids, but can be used effectively for any application in the 400°F to 575°F operating range.

FEATURES & BENEFITS

- **Cost-effective:** The standard RBHT design utilizes the cartridge sleeve and gland common to our RB seal. This allows the RBHT to be an economically priced option to a fully designed high temperature cartridge seal.
- **The RBHT is shorter in both outer seal dimension (OD) and in length (axially) to fit into equipment and stuffing boxes where a full high temperature design can not be installed.**
- **The RBHT design incorporates O-rings as the secondary sealing option which enables seal fitment in applications where there isn't space for grafoils to operate.**



Shown: Standard RBHT design

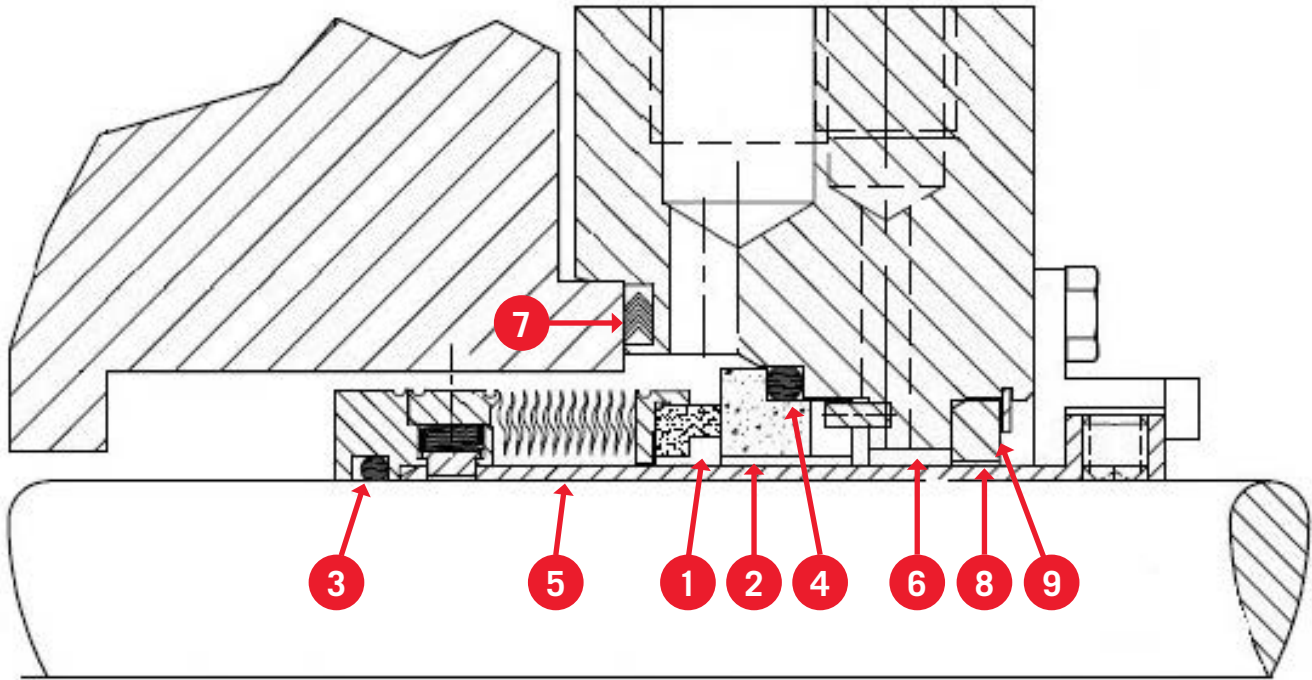
MATERIALS OF CONSTRUCTION

Faces	Antimony Impregnated Carbon, Nickel-Bound Tungsten Carbide, Sintered Silicon Carbide
Welded Bellows	AM350 Heat-treated Alloy 718 Heat-treated
Gland Bushing	Bronze, Carbon
Standard Metallurgy	316 Stainless Steel with low-expansion Alloy 42 retainer
Other material options available. Please consult Flexaseal.	

OPERATING PARAMETERS

Max Temp	575°F (302°C)
Max Pressure	300 psi (20 bar)
Max Speed	4,500 SFPM (22m/sec)

* NOTE: 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.



1. **Rotary Head Assembly:** Alloy 42 retainer and AM350 heat-treated bellows are compatible with high temperatures. Antimony impregnated carbon insert available for increased thermal conductivity. Hard face combinations also available for abrasive media.
2. **Mating Ring:** Available in sintered silicon carbide or nickel-bound tungsten carbide. RBHTX options also include: L-shaped or floating mating ring for better seal face alignment.
3. + 4. **High Temperature-Compatible Elastomers:** FFKM elastomer material options rated for operating temperatures up to 620°F/326°C
5. **Cartridge Sleeve:** The RBHT utilizes a standard Style RB sleeve which reduces the overall seal cost. The RBHTX option may incorporate additional design features as needed for specific operating conditions.
6. **Gland with 7. Gland Gasket:** Gland is supplied with flush, vent, and drain connections. **RBHTX options also include:** A piloted gland for seal gland centering and a metal-to-metal gland gasket to avoid the risk of secondary seal extrusion.
8. **Throttle Brushing with 9. Retaining Ring:** The throttle brushing provides additional fluid control during operation and is positively retained to allow for the best functionality with commonly-used API Flush Plans 62 and 65. API 682 Plan 62 requires a throttle bushing to be part of the seal design.